
IDMAR GROUP

TABLE OF CONTENTS

RADIATORS

STEEL PANEL RADIATORS
ALUMINIUM RADIATORS
TOWEL RADIATORS
DECORATIVE RADIATORS

STEEL PANEL RADIATORS

Panel steel radiators are most popular both in Poland and in Europe.
The individual elements of the radiator, such as panels and convectors, are pressed on mechanical presses from a special cold-formed steel sheet. The panels are pressure-welded on highly efficient multi-point spot and linear welding machines to form a heating plate. Welds formed on the edges of the board are wide enough to ensure a very high pressure resistance of the heaters to tearing. Inside it, there are two horizontal water channels and a series of vertical channels.

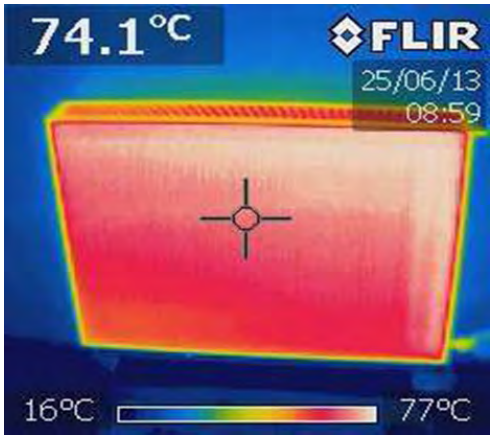
By flowing through these channels, water heats up the panel, which dissipates the heat in the room. In order to increase the power output of the heaters, a pre-embossed radiator, otherwise known as a convection element, is attached to each water channel of the panel, which is a convection fin on the radiator, increasing its heating surface and efficiency at the same time. The radiators are protected against corrosion from the outside by applying a nanoceramic coating and then a varnish coat. The varnish has an important protective and aesthetic function. Internal corrosion protection occurs during exploitation. During the first days after flooding and starting the installation, the radiators are covered with a passivating (resistant to aggressive environment) layer of iron oxide. This layer protects the inner surface of the heater against corrosion. It is effective as long as the water is alkaline in the system. An undesirable change to acid pH dissolves the oxide layer.

We cooperate with reputable companies all over the world, delivering top quality raw materials and components used in production of steel radiators.

U.S. Steel Kosice (Slovakia) | SD Dunaferr (Hungary) | Berg (Germany) | Commital-Sami (Italy) | Oventrop (Germany) | Henkel (Niemcy) | Pulverit (Italy)

Quality control covers every production stage: raw materials, semi-finished products and finished products check (including leak proof test of all the products, varnish coating quality check, tear test). Our Research and Development Department is constantly working on product development and quality. Being sure of the quality of our radiators, we extended their warranty period. The condition for extending the warranty is the simultaneous purchase (together with the radiator) of Opti-Comfort thermostatic sets.

We present a photo from the thermal imaging camera of our radiator, which was made during tests at the APPLUS Laboratory in Spain. It shows that the entire surface of the radiator heats up evenly. This guarantees high thermal efficiency, as the heat is transferred through the entire surface of the heated radiator. The heating up time is also very fast, in this case it is about 15 minutes.



Our company also produces hygienic radiators: type 10, 20, 30. This kind of radiators are not equipped with convection fins, side covers and top grille. Due to the absence of this elements, higenic radiators are suitable for facilities of elevated sanitary requirements (hospitals, pharmacies etc.), since it is easy to keep them clean.

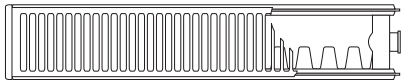
Radiators with bottom connection (type V), 600mm tall, are not equiped with permanently attached slings. They are installed with special mounting brackets. It allows to connect the radiator from the left or the right side. Construction of the radiator enables for side connection, thus we have four types of connection with one type of radiator.

Radiators do not require maintenance during their usage period. In order to maintain long-term aesthetics of the appearance, it is recommended to periodically clean the surface with a soft cloth dampened in water with a mild detergent or cleaning agents that are not abrasive and do not have aggressive influence on the varnish coating.

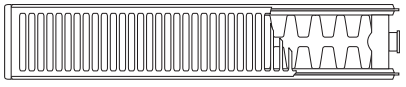
BASIC TYPES OF RADIATORS

CV 11

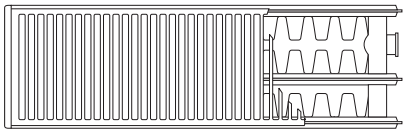
CV 21



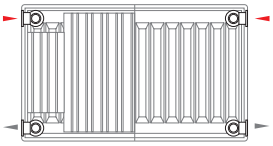
CV 22



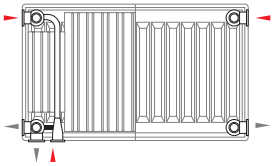
CV 33



C-TYPE RADIATORS



CV-TYPE RADIATORS



Steel radiators manufactured by IDMAR meet the following standards:

- PN-EN 442-1 Heaters and convectors. Requirements and technical conditions.
- PN-EN 442-2 Heaters and convectors. Power output and test methods.

Note: radiator valves must be purchased separately

INSTALLATION OF THE RADIATOR (SHORTENED)

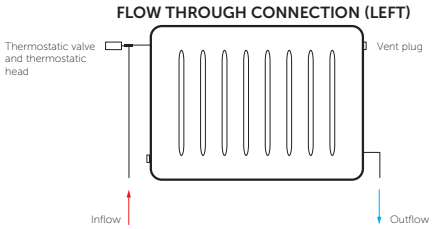
The best location for a radiator is under windows or in a cooler part of the room. It is not recommended to place the radiator in deep niches and other places that do not guarantee proper air circulation. The manufacturer recommends using the brackets and plugs supplied with the equipment for mountage and connecting the radiator to the installation using pipes with a diameter of 1/2 ".

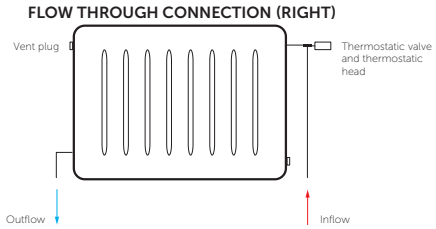
Be especially careful not to mechanically damage outer surface of the radiator during the installation.
- Minimum distance from the radiator to the wall: 10mm
- Minimum distance from the radiator to the floor: 120mm

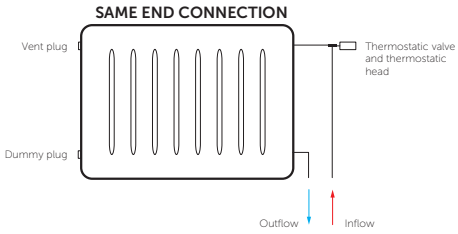
RECOMMENDED CONNECTIONS

All radiators have 1/2 " connections, enabling the connection of them to heating system.
The connections are female-threaded.
Due to the type of radiator - C or V - there are several options for connecting the product to the installation.

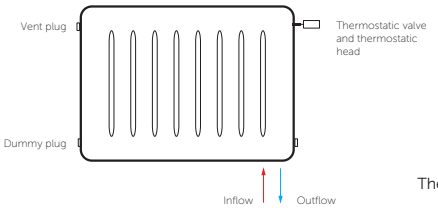
TYPE C







TYPE CV

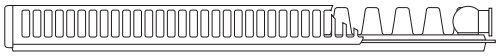


The CV type radiator can also be connected as C type

In addition, in the bottom connected radiator (V-type) thermostatic insert is installed (included in the assembly kit). It is used to regulate the flow of heating medium and the radiator temperature. A thermostatic head is screwed onto the insert.

Remaning connections (not connected to the installation) have to be covered with:
- manual air vent - installed on upper radiator connection, enables radiator bleeding,
- radiator plug - installed on remaining radiator connections

IDMAR CLASSIC STEEL PANEL RADIATORS C11



Max. pressure 1,2 MPa

Max. temp. +95°C

Use:
Space heating in residential, industrial and public buildings.

Technical data:
Max. working pressure: **0,45 MPa**
Max. pressure guaranteed by producer: **1,2 MPa**
Max. working temperature: **+95°C**
Radiator depth: **75 mm**

Thermic power:
ΔT=60K – for temperatures: 90/70/20°C
ΔT=50K – for temperatures: 75/65/20°C
ΔT=30K – for temperatures: 55/45/20°C
Color: white RAL 9016

Standards:
PN-EN 442-1
PN-EN 442-2

Materials tally:
Body: Cold-formed steel

Powers:

L/H	300	400	500	550	600	900
	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K
400	236 / 187 / 97	301 / 238 / 123	362 / 286 / 148	392 / 310 / 161	421 / 333 / 173	589 / 464 / 238
500	296 / 234 / 121	376 / 297 / 154	453 / 358 / 186	490 / 388 / 201	526 / 416 / 216	737 / 581 / 298
600	355 / 281 / 145	451 / 357 / 185	543 / 430 / 223	588 / 465 / 241	631 / 499 / 259	884 / 697 / 357
700	414 / 327 / 170	526 / 416 / 216	634 / 501 / 260	686 / 543 / 281	737 / 583 / 302	1031 / 813 / 417
800	473 / 374 / 194	601 / 476 / 247	724 / 573 / 297	784 / 620 / 321	842 / 666 / 345	1179 / 929 / 477
900	532 / 421 / 218	677 / 535 / 277	815 / 644 / 334	882 / 698 / 362	947 / 749 / 388	1326 / 1045 / 536
1000	591 / 468 / 242	752 / 595 / 308	905 / 716 / 371	980 / 755 / 402	1052 / 832 / 431	1473 / 1161 / 596
1100	650 / 514 / 267	827 / 654 / 339	996 / 787 / 408	1078 / 853 / 442	1157 / 915 / 475	1621 / 1277 / 655
1200	709 / 561 / 291	902 / 714 / 370	1086 / 859 / 445	1176 / 930 / 482	1263 / 999 / 518	1768 / 1393 / 715
1300	768 / 608 / 315	977 / 773 / 401	1177 / 931 / 482	1274 / 1008 / 522	1368 / 1082 / 561	1915 / 1509 / 774
1400	827 / 655 / 339	1052 / 832 / 432	1267 / 1002 / 520	1372 / 1085 / 563	1473 / 1165 / 604	2063 / 1626 / 834
1500	887 / 701 / 364	1128 / 892 / 462	1358 / 1074 / 557	1470 / 1163 / 603	1578 / 1248 / 647	2210 / 1742 / 893
1600	946 / 748 / 388	1203 / 951 / 493	1448 / 1145 / 594	1568 / 1240 / 643	1684 / 1332 / 690	2357 / 1858 / 953
1800	1064 / 842 / 436	1353 / 1070 / 555	1629 / 1289 / 668	1764 / 1395 / 723	1894 / 1498 / 777	2652 / 2090 / 1072
2000	1182 / 935 / 485	1503 / 1189 / 617	1810 / 1432 / 742	1960 / 1550 / 804	2104 / 1665 / 863	2947 / 2322 / 1191
2200	1300 / 1029 / 533	1654 / 1308 / 678	1991 / 1575 / 816	2156 / 1705 / 884	2315 / 1831 / 949	3242 / 2554 / 1310
2400	1419 / 1122 / 582	1804 / 1427 / 740	2172 / 1718 / 891	2352 / 1860 / 964	2525 / 1997 / 1036	3536 / 2787 / 1430
2600	1537 / 1216 / 630	1954 / 1546 / 802	2353 / 1861 / 965	2548 / 2015 / 1045	2736 / 2164 / 1122	3831 / 3019 / 1549
2800	1655 / 1309 / 679	2105 / 1665 / 863	2534 / 2004 / 1039	2743 / 2170 / 1125	2946 / 2330 / 1208	4126 / 3251 / 1668
3000	1773 / 1403 / 727	2255 / 1784 / 925	2715 / 2148 / 1113	2939 / 2325 / 1205	3157 / 2497 / 1294	4420 / 3483 / 1787

Radiator codes:

L/H	300	400	500	550	600	900
400	C11300X040	C11400X040	C11500X040	C11550X040	C11600X040	C11900X040
500	C11300X050	C11400X050	C11500X050	C11550X050	C11600X050	C11900X050
600	C11300X060	C11400X060	C11500X060	C11550X060	C11600X060	C11900X060
700	C11300X070	C11400X070	C11500X070	C11550X070	C11600X070	C11900X070
800	C11300X080	C11400X080	C11500X080	C11550X080	C11600X080	C11900X080
900	C11300X090	C11400X090	C11500X090	C11550X090	C11600X090	C11900X090
1000	C11300X100	C11400X100	C11500X100	C11550X100	C11600X100	C11900X100
1100	C11300X110	C11400X110	C11500X110	C11550X110	C11600X110	C11900X110
1200	C11300X120	C11400X120	C11500X120	C11550X120	C11600X120	C11900X120
1300	C11300X130	C11400X130	C11500X130	C11550X130	C11600X130	C11900X130
1400	C11300X140	C11400X140	C11500X140	C11550X140	C11600X140	C11900X140
1500	C11300X150	C11400X150	C11500X150	C11550X150	C11600X150	C11900X150
1600	C11300X160	C11400X160	C11500X160	C11550X160	C11600X160	C11900X160
1800	C11300X180	C11400X180	C11500X180	C11550X180	C11600X180	C11900X180
2000	C11300X200	C11400X200	C11500X200	C11550X200	C11600X200	C11900X200
2200	C11300X220	C11400X220	C11500X220	C11550X220	C11600X220	C11900X220
2400	C11300X240	C11400X240	C11500X240	C11550X240	C11600X240	C11900X240
2600	C11300X260	C11400X260	C11500X260	C11550X260	C11600X260	C11900X260
2800	C11300X280	C11400X280	C11500X280	C11550X280	C11600X280	C11900X280
3000	C11300X300	C11400X300	C11500X300	C11550X300	C11600X300	C11900X300

NANO-CERAMIC TECHNOLOGY
ANTI-CORROSIVE PROTECTION

LEAKAGE TEST 100%

IDMAR CLASSIC STEEL PANEL RADIATORS CV11/V11

EN EURONORM 442 CE

Use:
Space heating in residential, industrial and public buildings.

Technical data:
Max. working pressure: **0,45 MPa**
Max. pressure guaranteed by producer: **1,2 MPa**
Max. working temperature: **+95°C**
Radiator depth: **75 mm**

Thermic power:
ΔT=60K – for temperatures: 90/70/20°C
ΔT=50K – for temperatures: 75/65/20°C
ΔT=30K – for temperatures: 55/45/20°C
Color: white RAL 9016

Standards:
PN-EN 442-1
PN-EN 442-2

Materials tally:
Body: Cold-formed steel

Powers:

L/H	300	400	500	550	600	900
	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K
400	236 / 187 / 97	301 / 238 / 123	362 / 286 / 148	392 / 310 / 161	421 / 333 / 173	589 / 464 / 238
500	296 / 234 / 121	376 / 297 / 154	453 / 358 / 186	490 / 388 / 201	526 / 416 / 216	737 / 581 / 298
600	355 / 281 / 145	451 / 357 / 185	543 / 430 / 223	588 / 465 / 241	631 / 499 / 259	884 / 697 / 357
700	414 / 327 / 170	526 / 416 / 216	634 / 501 / 260	686 / 543 / 281	737 / 583 / 302	1031 / 813 / 417
800	473 / 374 / 194	601 / 476 / 247	724 / 573 / 297	784 / 620 / 321	842 / 666 / 345	1179 / 929 / 477
900	532 / 421 / 218	677 / 535 / 277	815 / 644 / 334	882 / 698 / 362	947 / 749 / 388	1326 / 1045 / 536
1000	591 / 468 / 242	752 / 595 / 308	905 / 716 / 371	980 / 755 / 402	1052 / 832 / 431	1473 / 1161 / 596
1100	650 / 514 / 267	827 / 654 / 339	996 / 787 / 408	1078 / 853 / 442	1157 / 915 / 475	1621 / 1277 / 655
1200	709 / 561 / 291	902 / 714 / 370	1086 / 859 / 445	1176 / 930 / 482	1263 / 999 / 518	1768 / 1393 / 715
1300	768 / 608 / 315	977 / 773 / 401	1177 / 931 / 482	1274 / 1008 / 522	1368 / 1082 / 561	1915 / 1509 / 774
1400	827 / 655 / 339	1052 / 832 / 432	1267 / 1002 / 520	1372 / 1085 / 563	1473 / 1165 / 604	2063 / 1626 / 834
1500	887 / 701 / 364	1128 / 892 / 462	1358 / 1074 / 557	1470 / 1163 / 603	1578 / 1248 / 647	2210 / 1742 / 893
1600	946 / 748 / 388	1203 / 951 / 493	1448 / 1145 / 594	1568 / 1240 / 643	1684 / 1332 / 690	2357 / 1858 / 953
1800	1064 / 842 / 436	1353 / 1070 / 555	1629 / 1289 / 668	1764 / 1395 / 723	1894 / 1498 / 777	2652 / 2090 / 1072
2000	1182 / 935 / 485	1503 / 1189 / 617	1810 / 1432 / 742	1960 / 1550 / 804	2104 / 1665 / 863	2947 / 2322 / 1191
2200	1300 / 1029 / 533	1654 / 1308 / 678	1991 / 1575 / 816	2156 / 1705 / 884	2315 / 1831 / 949	3242 / 2554 / 1310
2400	1419 / 1122 / 582	1804 / 1427 / 740	2172 / 1718 / 891	2352 / 1860 / 964	2525 / 1997 / 1036	3536 / 2787 / 1430
2600	1537 / 1216 / 630	1954 / 1546 / 802	2353 / 1861 / 965	2548 / 2015 / 1045	2736 / 2164 / 1122	3831 / 3019 / 1549
2800	1655 / 1309 / 679	2105 / 1665 / 863	2534 / 2004 / 1039	2743 / 2170 / 1125	2946 / 2330 / 1208	4126 / 3251 / 1668
3000	1773 / 1403 / 727	2255 / 1784 / 925	2715 / 2148 / 1113	2939 / 2325 / 1205	3157 / 2497 / 1294	4420 / 3483 / 1787

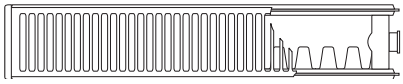
Radiator codes:

L/H	300	400	500	550	600	900
400	V11300X040	V11400X040	V11500X040	V11550X040	V11600X040	V11900X040
500	V11300X050	V11400X050	V11500X050	V11550X050	V11600X050	V11900X050
600	V11300X060	V11400X060	V11500X060	V11550X060	V11600X060	V11900X060
700	V11300X070	V11400X070	V11500X070	V11550X070	V11600X070	V11900X070
800	V11300X080	V11400X080	V11500X080	V11550X080	V11600X080	V11900X080
900	V11300X090	V11400X090	V11500X090	V11550X090	V11600X090	V11900X090
1000	V11300X100	V11400X100	V11500X100	V11550X100	V11600X100	V11900X100
1100	V11300X110	V11400X110	V11500X110	V11550X110	V11600X110	V11900X110
1200	V11300X120	V11400X120	V11500X120	V11550X120	V11600X120	V11900X120
1300	V11300X130	V11400X130	V11500X130	V11550X130	V11600X130	V11900X130
1400	V11300X140	V11400X140	V11500X140	V11550X140	V11600X140	V11900X140
1500	V11300X150	V11400X150	V11500X150	V11550X150	V11600X150	V11900X150
1600	V11300X160	V11400X160	V11500X160	V11550X160	V11600X160	V11900X160
1800	V11300X180	V11400X180	V11500X180	V11550X180	V11600X180	V11900X180
2000	V11300X200	V11400X200	V11500X200	V11550X200	V11600X200	V11900X200
2200	V11300X220	V11400X220	V11500X220	V11550X220	V11600X220	V11900X220
2400	V11300X240	V11400X240	V11500X240	V11550X240	V11600X240	V11900X240
2600	V11300X260	V11400X260	V11500X260	V11550X260	V11600X260	V11900X260
2800	V11300X280	V11400X280	V11500X280	V11550X280	V11600X280	V11900X280
3000	V11300X300	V11400X300	V11500X300	V11550X300	V11600X300	V11900X300

NANO-CERAMIC TECHNOLOGY
ANTI-CORROSIVE PROTECTION

LEAKAGE TEST 100%

IDMAR CLASSIC STEEL PANEL RADIATORS C21



EN EURONORM 442 CE

Use:
Space heating in residential, industrial and public buildings.

Technical data:
Max. working pressure: **0,45 MPa**
Max. pressure guaranteed by producer: **1,2 MPa**
Max. working temperature: **+95°C**
Radiator depth: **104mm / to order 78mm**

Thermic power:
ΔT=60K – for temperatures: 90/70/20°C
ΔT=50K – for temperatures: 75/65/20°C
ΔT=30K – for temperatures: 55/45/20°C
Color: white RAL 9016

Standards:
PN-EN 442-1
PN-EN 442-2

Materials tally:
Body: Cold-formed steel

Powers:

L/H	300	400	500	550	600	900
	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K
400	316 / 249 / 128	401 / 316 / 162	483 / 381 / 195	523 / 412 / 211	563 / 443 / 227	794 / 622 / 315
500	395 / 311 / 160	502 / 395 / 203	604 / 476 / 244	654 / 515 / 264	704 / 554 / 284	992 / 778 / 393
600	474 / 373 / 192	602 / 474 / 243	725 / 571 / 293	785 / 618 / 317	844 / 665 / 340	1191 / 934 / 472
700	553 / 436 / 224	702 / 554 / 284	846 / 667 / 342	916 / 721 / 369	985 / 776 / 397	1389 / 1089 / 551
800	631 / 498 / 256	803 / 633 / 325	967 / 762 / 390	1047 / 824 / 422	1126 / 887 / 454	1588 / 1245 / 629
900	710 / 560 / 288	903 / 712 / 365	1088 / 857 / 439	1178 / 927 / 475	1267 / 997 / 510	1786 / 1400 / 708
1000	789 / 622 / 320	1003 / 791 / 406	1209 / 952 / 488	1309 / 1031 / 528	1407 / 1108 / 567	1985 / 1556 / 787
1100	868 / 685 / 352	1104 / 870 / 446	1330 / 1047 / 537	1439 / 1134 / 581	1548 / 1219 / 624	2183 / 1711 / 865
1200	947 / 747 / 384	1204 / 949 / 487	1450 / 1143 / 586	1570 / 1237 / 633	1689 / 1330 / 681	2382 / 1867 / 944
1300	1026 / 809 / 416	1304 / 1028 / 528	1571 / 1238 / 634	1701 / 1340 / 686	1830 / 1441 / 737	2580 / 2023 / 1023
1400	1105 / 871 / 448	1405 / 1107 / 568	1692 / 1333 / 683	1832 / 1443 / 739	1970 / 1551 / 794	2778 / 2178 / 1101
1500	1184 / 934 / 480	1505 / 1186 / 609	1813 / 1428 / 732	1963 / 1546 / 792	2111 / 1662 / 851	2977 / 2334 / 1180
1600	1263 / 996 / 512	1605 / 1265 / 649	1934 / 1523 / 781	2094 / 1649 / 844	2252 / 1773 / 907	3175 / 2489 / 1259
1800	1421 / 1120 / 576	1806 / 1423 / 730	2176 / 1714 / 878	2355 / 1855 / 950	2533 / 1995 / 1021	3572 / 2801 / 1416
2000	1579 / 1245 / 640	2007 1581 / 812	2417 / 1904 / 976	2617 / 2061 / 1056	2815 / 2216 / 1134	3969 / 3112 / 1573
2200	1736 / 1369 / 704	2207 / 1740 / 893	2659 / 2095 / 1074	2879 / 2267 / 1161	3096 / 2438 / 1248	4366 / 3423 / 1731
2400	1894 / 1494 / 768	2408 / 1898 / 974	2901 / 2285 / 1171	3140 / 2473 / 1267	3378 / 2660 / 1361	4763 / 3734 / 1888
2600	2052 / 1618 / 831	2609 / 2056 / 1055	3143 / 2476 / 1269	3402 / 2679 / 1372	3659 / 2881 / 1475	5160 / 4045 / 2046
2800	2210 / 1743 / 895	2809 / 2214 / 1136	3384 / 2666 / 1366	3664 / 2885 / 1478	3941 / 3103 / 1588	5557 / 4356 / 2203
3000	2368 / 1867 / 959	3010 / 2372 / 1217	3626 / 2856 / 1464	3926 / 3092 / 1583	4222 / 3324 / 1701	5954 / 4668 / 2360

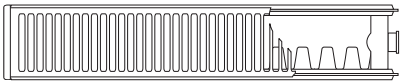
Radiator codes:

L/H	300	400	500	550	600	900
400	C21300X040	C21400X040	C21500X040	C21550X040	C21600X040	C21900X040
500	C21300X050	C21400X050	C21500X050	C21550X050	C21600X050	C21900X050
600	C21300X060	C21400X060	C21500X060	C21550X060	C21600X060	C21900X060
700	C21300X070	C21400X070	C21500X070	C21550X070	C21600X070	C21900X070
800	C21300X080	C21400X080	C21500X080	C21550X080	C21600X080	C21900X080
900	C21300X090	C21400X090	C21500X090	C21550X090	C21600X090	C21900X090
1000	C21300X100	C21400X100	C21500X100	C21550X100	C21600X100	C21900X100
1100	C21300X110	C21400X110	C21500X110	C21550X110	C21600X110	C21900X110
1200	C21300X120	C21400X120	C21500X120	C21550X120	C21600X120	C21900X120
1300	C21300X130	C21400X130	C21500X130	C21550X130	C21600X130	C21900X130
1400	C21300X140	C21400X140	C21500X140	C21550X140	C21600X140	C21900X140
1500	C21300X150	C21400X150	C21500X150	C21550X150	C21600X150	C21900X150
1600	C21300X160	C21400X160	C21500X160	C21550X160	C21600X160	C21900X160
1800	C21300X180	C21400X180	C21500X180	C21550X180	C21600X180	C21900X180
2000	C21300X200	C21400X200	C21500X200	C21550X200	C21600X200	C21900X200
2200	C21300X220	C21400X220	C21500X220	C21550X220	C21600X220	C21900X220
2400	C21300X240	C21400X240	C21500X240	C21550X240	C21600X240	C21900X240
2600	C21300X260	C21400X260	C21500X260	C21550X260	C21600X260	C21900X260
2800	C21300X280	C21400X280	C21500X280	C21550X280	C21600X280	C21900X280
3000	C21300X300	C21400X300	C21500X300	C21550X300	C21600X300	C21900X300

NANO-CERAMIC TECHNOLOGY
ANTI-CORROSIVE PROTECTION

LEAKAGE TEST 100%

IDMAR CLASSIC STEEL PANEL RADIATORS CV21/V21



EN 442 EURONORM CE

Max. pressure 1,2 MPa

Max. temp. +95°C

Use:
Space heating in residential, industrial and public buildings.

Technical data:
Max. working pressure: **0,45 MPa**
Max. pressure guaranteed by producer: **1,2 MPa**
Max. working temperature: **+95°C**
Radiator depth: **104mm / na zamówienie 78mm**

Thermic power:
ΔT=60K – for temperatures: 90/70/20°C
ΔT=50K – for temperatures: 75/65/20°C
ΔT=30K – for temperatures: 55/45/20°C
Color: white RAL 9016

Standards:
PN-EN 442-1
PN-EN 442-2

Materials tally:
Body: Cold-formed steel

Powers:

L/H	300	400	500	550	600	900
	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K
400	316 / 249 / 218	401 / 316 / 162	483 / 381 / 195	523 / 412 / 211	563 / 443 / 227	794 / 622 / 315
500	395 / 311 / 160	502 / 395 / 203	604 / 476 / 244	654 / 515 / 264	704 / 554 / 284	992 / 778 / 393
600	474 / 373 / 192	602 / 474 / 243	725 / 571 / 293	785 / 618 / 317	844 / 665 / 340	1191 / 934 / 472
700	553 / 436 / 224	702 / 554 / 284	846 / 667 / 342	916 / 721 / 369	985 / 776 / 397	1389 / 1089 / 551
800	631 / 498 / 256	803 / 633 / 325	967 / 762 / 390	1047 / 824 / 422	1126 / 887 / 454	1588 / 1245 / 629
900	710 / 560 / 288	903 / 712 / 365	1088 / 857 / 439	1178 / 927 / 475	1267 / 997 / 510	1786 / 1400 / 708
1000	789 / 622 / 320	1003 / 791 / 406	1209 / 952 / 488	1309 / 1031 / 528	1407 / 1108 / 567	1985 / 1556 / 787
1100	868 / 685 / 352	1104 / 870 / 446	1330 / 1047 / 537	1439 / 1134 / 581	1548 / 1219 / 624	2183 / 1711 / 865
1200	947 / 747 / 384	1204 / 949 / 487	1450 / 1143 / 586	1570 / 1237 / 633	1689 / 1330 / 681	2382 / 1867 / 944
1300	1026 / 809 / 416	1304 / 1028 / 528	1571 / 1238 / 634	1701 / 1340 / 686	1830 / 1441 / 737	2580 / 2023 / 1023
1400	1105 / 871 / 448	1405 / 1107 / 568	1692 / 1333 / 683	1832 / 1443 / 739	1970 / 1551 / 794	2778 / 2178 / 1101
1500	1184 / 934 / 480	1505 / 1186 / 609	1813 / 1428 / 732	1963 / 1546 / 792	2111 / 1662 / 851	2977 / 2334 / 1180
1600	1263 / 996 / 512	1605 / 1265 / 649	1934 / 1523 / 781	2094 / 1649 / 844	2252 / 1773 / 907	3175 / 2489 / 1259
1800	1421 / 1120 / 576	1806 / 1423 / 730	2176 / 1714 / 878	2355 / 1855 / 950	2533 / 1995 / 1021	3572 / 2801 / 1416
2000	1579 / 1245 / 640	2007 1581 / 812	2417 / 1904 / 976	2617 / 2061 / 1056	2815 / 2216 / 1134	3969 / 3112 / 1573
2200	1736 / 1369 / 704	2207 / 1740 / 893	2659 / 2095 / 1074	2879 / 2267 / 1161	3096 / 2438 / 1248	4366 / 3423 / 1731
2400	1894 / 1494 / 768	2408 / 1898 / 974	2901 / 2285 / 1171	3140 / 2473 / 1267	3378 / 2660 / 1361	4763 / 3734 / 1888
2600	2052 / 1618 / 831	2609 / 2056 / 1055	3143 / 2476 / 1269	3402 / 2679 / 1372	3659 / 2881 / 1475	5160 / 4045 / 2046
2800	2210 / 1743 / 895	2809 / 2214 / 1136	3384 / 2666 / 1366	3664 / 2885 / 1478	3941 / 3103 / 1588	5557 / 4356 / 2203
3000	2368 / 1867 / 959	3010 / 2372 / 1217	3626 / 2856 / 1464	3926 / 3092 / 1583	4222 / 3324 / 1701	5954 / 4668 / 2360

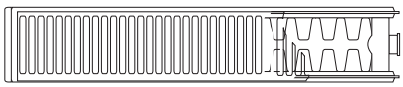
Radiator codes:

L/H	300	400	500	550	600	900
400	V21300X040	V21400X040	V21500X040	V21550X040	V21600X040	V21900X040
500	V21300X050	V21400X050	V21500X050	V21550X050	V21600X050	V21900X050
600	V21300X060	V21400X060	V21500X060	V21550X060	V21600X060	V21900X060
700	V21300X070	V21400X070	V21500X070	V21550X070	V21600X070	V21900X070
800	V21300X080	V21400X080	V21500X080	V21550X080	V21600X080	V21900X080
900	V21300X090	V21400X090	V21500X090	V21550X090	V21600X090	V21900X090
1000	V21300X100	V21400X100	V21500X100	V21550X100	V21600X100	V21900X100
1100	V21300X110	V21400X110	V21500X110	V21550X110	V21600X110	V21900X110
1200	V21300X120	V21400X120	V21500X120	V21550X120	V21600X120	V21900X120
1300	V21300X130	V21400X130	V21500X130	V21550X130	V21600X130	V21900X130
1400	V21300X140	V21400X140	V21500X140	V21550X140	V21600X140	V21900X140
1500	V21300X150	V21400X150	V21500X150	V21550X150	V21600X150	V21900X150
1600	V21300X160	V21400X160	V21500X160	V21550X160	V21600X160	V21900X160
1800	V21300X180	V21400X180	V21500X180	V21550X180	V21600X180	V21900X180
2000	V21300X200	V21400X200	V21500X200	V21550X200	V21600X200	V21900X200
2200	V21300X220	V21400X220	V21500X220	V21550X220	V21600X220	V21900X220
2400	V21300X240	V21400X240	V21500X240	V21550X240	V21600X240	V21900X240
2600	V21300X260	V21400X260	V21500X260	V21550X260	V21600X260	V21900X260
2800	V21300X280	V21400X280	V21500X280	V21550X280	V21600X280	V21900X280
3000	V21300X300	V21400X300	V21500X300	V21550X300	V21600X300	V21900X300

NANO-CERAMIC TECHNOLOGY
ANTI-CORROSIVE PROTECTION

LEAKAGE TEST 100%

IDMAR CLASSIC STEEL PANEL RADIATORS C22



EN EURONORM 442 CE

Use:
Space heating in residential, industrial and public buildings.

Technical data:
Max. working pressure: **0,45 MPa**
Max. pressure guaranteed by producer: **1,2 MPa**
Max. working temperature: **+95°C**
Radiator depth: **104mm**

Thermic power:
ΔT=60K – for temperatures: 90/70/20°C
ΔT=50K – for temperatures: 75/65/20°C
ΔT=30K – for temperatures: 55/45/20°C
Color: white RAL 9016

Standards:
PN-EN 442-1
PN-EN 442-2

Materials tally:
Body: Cold-formed steel

Powers:

L/H	300	400	500	550	600	900
	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K
400	395 / 311 / 160	502 / 395 / 203	604 / 476 / 244	654 / 515 / 264	704 / 554 / 284	992 / 778 / 393
500	493 / 389 / 200	627 / 494 / 254	755 / 595 / 305	818 / 644 / 330	880 / 693 / 354	1240 / 972 / 492
600	592 / 467 / 240	753 / 593 / 304	907 / 714 / 366	981 / 773 / 396	1056 / 831 / 425	1488 / 1167 / 590
700	691 / 545 / 280	878 / 692 / 355	1058 / 833 / 427	1145 / 902 / 462	1231 / 970 / 496	1737 / 1361 / 688
800	789 / 622 / 320	1003 / 791 / 406	1209 / 952 / 488	1309 / 1031/ 528	1407 / 1108 / 567	1985 / 1556 / 787
900	888 / 700 / 360	1129 / 890 / 457	1360 / 1071 / 549	1472 / 1159 / 594	1583 / 1247 / 638	2233 / 1750 / 885
1000	987 / 778 / 400	1254 / 988 / 507	1511 / 1190 / 610	1636 / 1288 / 660	1759 / 1385 / 709	2481 / 1945 / 983
1100	1085 / 856 / 440	1380 / 1087 / 558	1662 / 1309 / 671	1799 / 1417 / 726	1935 / 1524 / 780	2729 / 2139 / 1082
1200	1184 / 934 / 480	1505 / 1186 / 609	1813 / 1428 / 732	1963 / 1546 / 792	2111 / 1662 / 851	2977 / 2334 / 1180
1300	1283 / 1011 / 520	1630 / 1285 / 659	1964 / 1547 / 793	2126 / 1675 / 858	2289 / 1801 / 922	3225 / 2528 / 1278
1400	1381 / 1089 / 560	1756 / 1384 / 710	2115 / 1666 / 854	2290 / 1803 / 924	2463 / 1939 / 993	3473 / 2723 / 1377
1500	1480 / 1167 / 600	1881 / 1483 / 761	2266 / 1785 / 915	2453 / 1932 / 990	2639 / 2078 / 1063	3721 / 2917 / 1475
1600	1579 / 1245 / 640	2007 / 1581 / 812	2417 / 1904 / 976	2617 / 2061 / 1056	2815 / 2216 / 1134	3969 / 3112 / 1573
1800	1776 / 1400 / 720	2258 / 1779 / 913	2720 / 2142 / 1098	2944 / 2319 / 1188	3167 / 2493 / 1276	4465 / 3501 / 1770
2000	1973 / 1556 / 799	2508 / 1977 / 1014	3022 / 2380 / 1220	3271 / 2576 / 1319	3518 / 2770 / 1418	4962 / 3890 / 1967
2200	2171 / 1711 / 879	2759 / 2175 / 1116	3324 / 2618 / 1342	3598 / 2834 / 1451	3870 / 3047 / 1560	5458 / 4279 / 2164
2400	2368 / 1867 / 959	3010 / 2372 / 1217	3626 / 2856 / 1464	3926 / 3092 / 1583	4222 / 3324 / 1701	5954 / 4668 / 2360
2600	2565 / 2023 / 1039	3261 / 2570 / 1319	3928 / 3094 / 1586	4253 / 3349 / 1715	4574 / 3601 / 1843	6450 / 5057 / 2557
2800	2763 / 2178 / 1119	3512 / 2768 / 1420	4230 / 3333 / 1708	4580 / 3607 / 1847	4926 / 3878 / 1985	6946 / 5446 / 2754
3000	2960 / 2334 / 1199	3763 / 2965 / 1522	4533 / 3571 / 1830	4907 / 3864 / 1979	5278 / 4155 / 2127	7442 / 5835 / 2950

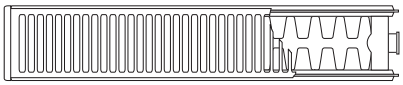
Radiator codes:

L/H	300	400	500	550	600	900
400	C22300X040	C22400X040	C22500X040	C22550X040	C22600X040	C22900X040
500	C22300X050	C22400X050	C22500X050	C22550X050	C22600X050	C22900X050
600	C22300X060	C22400X060	C22500X060	C22550X060	C22600X060	C22900X060
700	C22300X070	C22400X070	C22500X070	C22550X070	C22600X070	C22900X070
800	C22300X080	C22400X080	C22500X080	C22550X080	C22600X080	C22900X080
900	C22300X090	C22400X090	C22500X090	C22550X090	C22600X090	C22900X090
1000	C22300X100	C22400X100	C22500X100	C22550X100	C22600X100	C22900X100
1100	C22300X110	C22400X110	C22500X110	C22550X110	C22600X110	C22900X110
1200	C22300X120	C22400X120	C22500X120	C22550X120	C22600X120	C22900X120
1300	C22300X130	C22400X130	C22500X130	C22550X130	C22600X130	C22900X130
1400	C22300X140	C22400X140	C22500X140	C22550X140	C22600X140	C22900X140
1500	C22300X150	C22400X150	C22500X150	C22550X150	C22600X150	C22900X150
1600	C22300X160	C22400X160	C22500X160	C22550X160	C22600X160	C22900X160
1800	C22300X180	C22400X180	C22500X180	C22550X180	C22600X180	C22900X180
2000	C22300X200	C22400X200	C22500X200	C22550X200	C22600X200	C22900X200
2200	C22300X220	C22400X220	C22500X220	C22550X220	C22600X220	C22900X220
2400	C22300X240	C22400X240	C22500X240	C22550X240	C22600X240	C22900X240
2600	C22300X260	C22400X260	C22500X260	C22550X260	C22600X260	C22900X260
2800	C22300X280	C22400X280	C22500X280	C22550X280	C22600X280	C22900X280
3000	C22300X300	C22400X300	C22500X300	C22550X300	C22600X300	C22900X300

NANO-CERAMIC TECHNOLOGY
ANTI-CORROSIVE PROTECTION

LEAKAGE TEST 100%

IDMAR CLASSIC STEEL PANEL RADIATORS CV22/V22



Max. pressure 1,2 MPa

Max. temp. +95°C

Use:
Space heating in residential, industrial and public buildings.

Technical data:
Max. working pressure: **0,45 MPa**
Max. pressure guaranteed by producer: **1,2 MPa**
Max. working temperature: **+95°C**
Radiator depth: **104mm**

Thermic power:
ΔT=60K – for temperatures: 90/70/20°C
ΔT=50K – for temperatures: 75/65/20°C
ΔT=30K – for temperatures: 55/45/20°C
Color: white RAL 9016

Standards:
PN-EN 442-1
PN-EN 442-2

Materials tally:
Body: Cold-formed steel

Powers:

L/H	300	400	500	550	600	900
	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K
400	395 / 311 / 160	502 / 395 / 203	604 / 476 / 244	654 / 515 / 264	704 / 554 / 284	992 / 778 / 393
500	493 / 389 / 200	627 / 494 / 254	755 / 595 / 305	818 / 644 / 330	880 / 693 / 354	1240 / 972 / 492
600	592 / 467 / 240	753 / 593 / 304	907 / 714 / 366	981 / 773 / 396	1056 / 831 / 425	1488 / 1167 / 590
700	691 / 545 / 280	878 / 692 / 355	1058 / 833 / 427	1145 / 902 / 462	1231 / 970 / 496	1737 / 1361 / 688
800	789 / 622 / 320	1003 / 791 / 406	1209 / 952 / 488	1309 / 1031/ 528	1407 / 1108 / 567	1985 / 1556 / 787
900	888 / 700 / 360	1129 / 890 / 457	1360 / 1071 / 549	1472 / 1159 / 594	1583 / 1247 / 638	2233 / 1750 / 885
1000	987 / 778 / 400	1254 / 988 / 507	1511 / 1190 / 610	1636 / 1288 / 660	1759 / 1385 / 709	2481 / 1945 / 983
1100	1085 / 856 / 440	1380 / 1087 / 558	1662 / 1309 / 671	1799 / 1417 / 726	1935 / 1524 / 780	2729 / 2139 / 1082
1200	1184 / 934 / 480	1505 / 1186 / 609	1813 / 1428 / 732	1963 / 1546 / 792	2111 / 1662 / 851	2977 / 2334 / 1180
1300	1283 / 1011 / 520	1630 / 1285 / 659	1964 / 1547 / 793	2126 / 1675 / 858	2289 / 1801 / 922	3225 / 2528 / 1278
1400	1381 / 1089 / 560	1756 / 1384 / 710	2115 / 1666 / 854	2290 / 1803 / 924	2463 / 1939 / 993	3473 / 2723 / 1377
1500	1480 / 1167 / 600	1881 / 1483 / 761	2266 / 1785 / 915	2453 / 1932 / 990	2639 / 2078 / 1063	3721 / 2917 / 1475
1600	1579 / 1245 / 640	2007 / 1581 / 812	2417 / 1904 / 976	2617 / 2061 / 1056	2815 / 2216 / 1134	3969 / 3112 / 1573
1800	1776 / 1400 / 720	2258 / 1779 / 913	2720 / 2142 / 1098	2944 / 2319 / 1188	3167 / 2493 / 1276	4465 / 3501 / 1770
2000	1973 / 1556 / 799	2508 / 1977 / 1014	3022 / 2380 / 1220	3271 / 2576 / 1319	3518 / 2770 / 1418	4962 / 3890 / 1967
2200	2171 / 1711 / 879	2759 / 2175 / 1116	3324 / 2618 / 1342	3598 / 2834 / 1451	3870 / 3047 / 1560	5458 / 4279 / 2164
2400	2368 / 1867 / 959	3010 / 2372 / 1217	3626 / 2856 / 1464	3926 / 3092 / 1583	4222 / 3324 / 1701	5954 / 4668 / 2360
2600	2565 / 2023 / 1039	3261 / 2570 / 1319	3928 / 3094 / 1586	4253 / 3349 / 1715	4574 / 3601 / 1843	6450 / 5057 / 2557
2800	2763 / 2178 / 1119	3512 / 2768 / 1420	4230 / 3333 / 1708	4580 / 3607 / 1847	4926 / 3878 / 1985	6946 / 5446 / 2754
3000	2960 / 2334 / 1199	3763 / 2965 / 1522	4533 / 3571 / 1830	4907 / 3864 / 1979	5278 / 4155 / 2127	7442 / 5835 / 2950

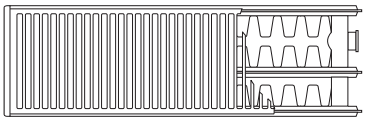
Radiator codes:

L/H	300	400	500	550	600	900
400	V22300X040	V22400X040	V22500X040	V22550X040	V22600X040	V22900X040
500	V22300X050	V22400X050	V22500X050	V22550X050	V22600X050	V22900X050
600	V22300X060	V22400X060	V212500X060	V22550X060	V22600X060	V22900X060
700	V22300X070	V22400X070	V22500X070	V22550X070	V22600X070	V22900X070
800	V22300X080	V22400X080	V22500X080	V22550X080	V22600X080	V22900X080
900	V22300X090	V22400X090	V22500X090	V22550X090	V22600X090	V22900X090
1000	V22300X100	V22400X100	V22500X100	V22550X100	V22600X100	V22900X100
1100	V22300X110	V22400X110	V22500X110	V22550X110	V22600X110	V22900X110
1200	V22300X120	V22400X120	V22500X120	V22550X120	V22600X120	V22900X120
1300	V22300X130	V22400X130	V22500X130	V22550X130	V22600X130	V22900X130
1400	V22300X140	V22400X140	V22500X140	V22550X140	V22600X140	V22900X140
1500	V22300X150	V22400X150	V22500X150	V22550X150	V22600X150	V22900X150
1600	V22300X160	V22400X160	V22500X160	V22550X160	V22600X160	V22900X160
1800	V22300X180	V22400X180	V22500X180	V22550X180	V22600X180	V22900X180
2000	V22300X200	V22400X200	V22500X200	V22550X200	V22600X200	V22900X200
2200	V22300X220	V22400X220	V22500X220	V22550X220	V22600X220	V22900X220
2400	V22300X240	V22400X240	V22500X240	V22550X240	V22600X240	V22900X240
2600	V22300X260	V22400X260	V22500X260	V22550X260	V22600X260	V22900X260
2800	V22300X280	V22400X280	V22500X280	V22550X280	V22600X280	V22900X280
3000	V22300X300	V22400X300	V22500X300	V22550X300	V22600X300	V22900X300

NANO-CERAMIC TECHNOLOGY
ANTI-CORROSIVE PROTECTION

LEAKAGE TEST 100%

IDMAR CLASSIC STEEL PANEL RADIATORS C33



Max. pressure 1,2 MPa

Max. temp. +95°C

Use:
Space heating in residential, industrial and public buildings.

Technical data:
Max. working pressure: **0,45 MPa**
Max. pressure guaranteed by producer: **1,2 MPa**
Max. working temperature: **+95°C**
Radiator depth: **167mm**

Thermic power:
ΔT=60K – for temperatures: 90/70/20°C
ΔT=50K – for temperatures: 75/65/20°C
ΔT=30K – for temperatures: 55/45/20°C
Color: white RAL 9016

Standards:
PN-EN 442-1
PN-EN 442-2

Materials tally:
Body: Cold-formed steel

Powers:

L/H	300	400	500	550	600	900
	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K
400	542 / 428 / 221	690 / 544 / 280	830 / 654 / 335	897 / 707 / 362	963 / 759 / 388	1332 / 1047 / 534
500	678 / 535 / 276	862 / 680 / 350	1037 / 817 / 419	1122 / 884 / 453	1204 / 948 / 485	1665 / 1309 / 667
600	813 / 642 / 331	1034 / 816 / 420	1244 / 981 / 503	1346 / 1060 / 543	1445 / 1138 / 582	1998 / 1571 / 801
700	949 / 749 / 386	1207 / 952 / 490	1452 / 1144 / 587	1570 / 1237 / 634	1686 / 1327 / 680	2331 / 1833 / 934
800	1084 / 856 / 441	1379 / 1088 / 560	1659 / 1308 / 671	1795 / 1414 / 725	1927 / 1517 / 777	2664 / 2094 / 1068
900	1220 / 963 / 497	1552 / 1224 / 630	1867 / 1471 / 755	2019 / 1591 / 815	2168 / 1707 / 874	2997 / 2356 / 1201
1000	1355 / 1070 / 552	1724 / 1360 / 700	2074 / 1634 / 839	2244 / 1767 / 906	2408 / 1896 / 971	3330 / 2618 / 1334
1100	1491 / 1177 / 607	1896 / 1496 / 770	2281 / 1798 / 923	2468 / 1944 / 996	2649 / 2086 / 1068	3663 / 2880 / 1468
1200	1626 / 1284 / 662	2069 / 1632 / 839	2489 / 1961 / 1006	2692 / 2121 / 1087	2890 / 2276 / 1165	3996 / 3142 / 1601
1300	1762 / 1391 / 717	2241 / 1768 / 909	2696 / 2125 / 1090	2917 / 2298 / 1178	3131 / 2465 / 1262	4329 / 3403 / 1735
1400	1897 / 1498 / 772	2414 / 1904 / 979	2903 / 2288 / 1174	3141 / 2474 / 1268	3372 / 2655 / 1359	4662 / 3665 / 1868
1500	2033 / 1605 / 828	2586 / 2040 / 1049	3111 / 2452 / 1258	3365 / 2651 / 1359	3613 / 2845 / 1456	4995 / 3927 / 2002
1600	2168 / 1712 / 883	2759 / 2176 / 1119	3318 / 2615 / 1342	3590 / 2828 / 1449	3853 / 3034 / 1553	5328 / 4189 / 2135
1800	2439 / 1926 / 993	3103 / 2448 / 1259	3733 / 2942 / 1510	4038 / 3181 / 1630	4335 / 3413 / 1747	5994 / 4712 / 2402
2000	2710 / 2140 / 1103	3448 / 2720 / 1399	4148 / 3269 / 1677	4487 / 3535 / 1812	4817 / 3793 / 1941	6660 / 5236 / 2669
2200	2981 / 2354 / 1214	3793 / 2992 / 1539	4563 / 3596 / 1845	4936 / 3888 / 1993	5298 / 4172 / 2136	7326 / 5760 / 2936
2400	3252 / 2568 / 1324	4138 / 3264 / 1679	4977 / 3923 / 2013	5384 / 4242 / 2174	5780 / 4551 / 2330	7992 / 6283 / 3203
2600	3524 / 2782 / 1434	4483 / 3536 / 1819	5392 / 4250 / 2181	5833 / 4595 / 2355	6262 / 4931 / 2524	8658 / 6807 / 3469
2800	3795 / 2996 / 1545	4827 / 3808 / 1959	5807 / 4576 / 2348	6282 / 4949 / 2536	6743 / 5310 / 2718	9324 / 7330 / 3736
3000	4066 / 3210 / 1655	5172 / 4080 / 2099	6222 / 4903 / 2516	6731 / 5302 / 2717	7225 / 5689 / 2912	9990 / 7854 / 4003

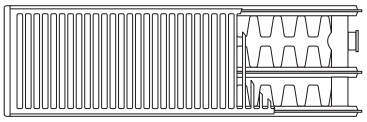
Radiator codes:

L/H	300	400	500	550	600	900
400	C33300X040	C33400X040	C33500X040	C33550X040	C33600X040	C33900X040
500	C33300X050	C33400X050	C33500X050	C33550X050	C33600X050	C33900X050
600	C33300X060	C33400X060	C33500X060	C33550X060	C33600X060	C33900X060
700	C33300X070	C33400X070	C33500X070	C33550X070	C33600X070	C33900X070
800	C33300X080	C33400X080	C33500X080	C33550X080	C33600X080	C33900X080
900	C33300X090	C33400X090	C33500X090	C33550X090	C33600X090	C33900X090
1000	C33300X100	C33400X100	C33500X100	C33550X100	C33600X100	C33900X100
1100	C33300X110	C33400X110	C33500X110	C33550X110	C33600X110	C33900X110
1200	C33300X120	C33400X120	C33500X120	C33550X120	C33600X120	C33900X120
1300	C33300X130	C33400X130	C33500X130	C33550X130	C33600X130	C33900X130
1400	C33300X140	C33400X140	C33500X140	C33550X140	C33600X140	C33900X140
1500	C33300X150	C33400X150	C33500X150	C33550X150	C33600X150	C33900X150
1600	C33300X160	C33400X160	C33500X160	C33550X160	C33600X160	C33900X160
1800	C33300X180	C33400X180	C33500X180	C33550X180	C33600X180	C33900X180
2000	C33300X200	C33400X200	C33500X200	C33550X200	C33600X200	C33900X200
2200	C33300X220	C33400X220	C33500X220	C33550X220	C33600X220	C33900X220
2400	C33300X240	C33400X240	C33500X240	C33550X240	C33600X240	C33900X240
2600	C33300X260	C33400X260	C33500X260	C33550X260	C33600X260	C33900X260
2800	C33300X280	C33400X280	C33500X280	C33550X280	C33600X280	C33900X280
3000	C33300X300	C33400X300	C33500X300	C33550X300	C33600X300	C33900X300

NANO-CERAMIC TECHNOLOGY
ANTI-CORROSIVE PROTECTION

LEAKAGE TEST 100%

IDMAR CLASSIC STEEL PANEL RADIATORS CV33/V33



Max. pressure 1,2 MPa

Max. temp. +95°C

Use:
Space heating in residential, industrial and public buildings.

Technical data:
Max. working pressure: **0,45 MPa**
Max. pressure guaranteed by producer: **1,2 MPa**
Max. working temperature: **+95°C**
Radiator depth: **167mm**

Thermic power:
ΔT=60K – for temperatures: 90/70/20°C
ΔT=50K – for temperatures: 75/65/20°C
ΔT=30K – for temperatures: 55/45/20°C
Color: white RAL 9016

Standards:
PN-EN 442-1
PN-EN 442-2

Materials tally:
Body: Cold-formed steel

Powers:

L/H	300	400	500	550	600	900
	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K
400	542 / 428 / 221	690 / 544 / 280	830 / 654 / 335	897 / 707 / 362	963 / 759 / 388	1332 / 1047 / 534
500	678 / 535 / 276	862 / 680 / 350	1037 / 817 / 419	1122 / 884 / 453	1204 / 948 / 485	1665 / 1309 / 667
600	813 / 642 / 331	1034 / 816 / 420	1244 / 981 / 503	1346 / 1060 / 543	1445 / 1138 / 582	1998 / 1571 / 801
700	949 / 749 / 386	1207 / 952 / 490	1452 / 1144 / 587	1570 / 1237 / 634	1686 / 1327 / 680	2331 / 1833 / 934
800	1084 / 856 / 441	1379 / 1088 / 560	1659 / 1308 / 671	1795 / 1414 / 725	1927 / 1517 / 777	2664 / 2094 / 1068
900	1220 / 963 / 497	1552 / 1224 / 630	1867 / 1471 / 755	2019 / 1591 / 815	2168 / 1707 / 874	2997 / 2356 / 1201
1000	1355 / 1070 / 552	1724 / 1360 / 700	2074 / 1634 / 839	2244 / 1767 / 906	2408 / 1896 / 971	3330 / 2618 / 1334
1100	1491 / 1177 / 607	1896 / 1496 / 770	2281 / 1798 / 923	2468 / 1944 / 996	2649 / 2086 / 1068	3663 / 2880 / 1468
1200	1626 / 1284 / 662	2069 / 1632 / 839	2489 / 1961 / 1006	2692 / 2121 / 1087	2890 / 2276 / 1165	3996 / 3142 / 1601
1300	1762 / 1391 / 717	2241 / 1768 / 909	2696 / 2125 / 1090	2917 / 2298 / 1178	3131 / 2465 / 1262	4329 / 3403 / 1735
1400	1897 / 1498 / 772	2414 / 1904 / 979	2903 / 2288 / 1174	3141 / 2474 / 1268	3372 / 2655 / 1359	4662 / 3665 / 1868
1500	2033 / 1605 / 828	2586 / 2040 / 1049	3111 / 2452 / 1258	3365 / 2651 / 1359	3613 / 2845 / 1456	4995 / 3927 / 2002
1600	2168 / 1712 / 883	2759 / 2176 / 1119	3318 / 2615 / 1342	3590 / 2828 / 1449	3853 / 3034 / 1553	5328 / 4189 / 2135
1800	2439 / 1926 / 993	3103 / 2448 / 1259	3733 / 2942 / 1510	4038 / 3181 / 1630	4335 / 3413 / 1747	5994 / 4712 / 2402
2000	2710 / 2140 / 1103	3448 / 2720 / 1399	4148 / 3269 / 1677	4487 / 3535 / 1812	4817 / 3793 / 1941	6660 / 5236 / 2669
2200	2981 / 2354 / 1214	3793 / 2992 / 1539	4563 / 3596 / 1845	4936 / 3888 / 1993	5298 / 4172 / 2136	7326 / 5760 / 2936
2400	3252 / 2568 / 1324	4138 / 3264 / 1679	4977 / 3923 / 2013	5384 / 4242 / 2174	5780 / 4551 / 2330	7992 / 6283 / 3203
2600	3524 / 2782 / 1434	4483 / 3536 / 1819	5392 / 4250 / 2181	5833 / 4595 / 2355	6262 / 4931 / 2524	8658 / 6807 / 3469
2800	3795 / 2996 / 1545	4827 / 3808 / 1959	5807 / 4576 / 2348	6282 / 4949 / 2536	6743 / 5310 / 2718	9324 / 7330 / 3736
3000	4066 / 3210 / 1655	5172 / 4080 / 2099	6222 / 4903 / 2516	6731 / 5302 / 2717	7225 / 5689 / 2912	9990 / 7854 / 4003

Radiator codes:

L/H	300	400	500	550	600	900
400	V33300X040	V33400X040	V33500X040	V33550X040	V33600X040	V33900X040
500	V33300X050	V33400X050	V33500X050	V33550X050	V33600X050	V33900X050
600	V33300X060	V33400X060	V33500X060	V33550X060	V33600X060	V33900X060
700	V33300X070	V33400X070	V33500X070	V33550X070	V33600X070	V33900X070
800	V33300X080	V33400X080	V33500X080	V33550X080	V33600X080	V33900X080
900	V33300X090	V33400X090	V33500X090	V33550X090	V33600X090	V33900X090
1000	V33300X100	V33400X100	V33500X100	V33550X100	V33600X100	V33900X100
1100	V33300X110	V33400X110	V33500X110	V33550X110	V33600X110	V33900X110
1200	V33300X120	V33400X120	V33500X120	V33550X120	V33600X120	V33900X120
1300	V33300X130	V33400X130	V33500X130	V33550X130	V33600X130	V33900X130
1400	V33300X140	V33400X140	V33500X140	V33550X140	V33600X140	V33900X140
1500	V33300X150	V33400X150	V33500X150	V33550X150	V33600X150	V33900X150
1600	V33300X160	V33400X160	V33500X160	V33550X160	V33600X160	V33900X160
1800	V33300X180	V33400X180	V33500X180	V33550X180	V33600X180	V33900X180
2000	V33300X200	V33400X200	V33500X200	V33550X200	V33600X200	V33900X200
2200	V33300X220	V33400X220	V33500X220	V33550X220	V33600X220	V33900X220
2400	V33300X240	V33400X240	V33500X240	V33550X240	V33600X240	V33900X240
2600	V33300X260	V33400X260	V33500X260	V33550X260	V33600X260	V33900X260
2800	V33300X280	V33400X280	V33500X280	V33550X280	V33600X280	V33900X280
3000	V33300X300	V33400X300	V33500X300	V33550X300	V33600X300	V33900X300

NANO-CERAMIC TECHNOLOGY
ANTI-CORROSIVE PROTECTION

LEAKAGE TEST 100%

CAPACITY AND WEIGHT OF CLASSIC STEEL RADIATORS

WEIGHT [KG] CAPACITY [LITER]

C11

H/L	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1800	2000	2200	2400	2600	2800	3000
300	3,48	4,35	5,22	6,09	6,96	7,83	8,7	9,57	10,44	11,31	12,18	13,05	13,92	15,66	17,4	19,14	20,88	22,62	24,36	26,1
	0,7	0,88	1,05	1,23	1,4	1,58	1,75	1,93	2,1	2,28	2,45	2,63	2,8	3,15	3,5	3,85	4,2	4,55	4,9	5,25
400	4,35	5,44	6,53	7,62	8,7	9,79	10,88	11,97	13,06	14,14	15,23	16,32	17,41	19,58	21,76	23,94	26,11	28,29	30,46	32,64
	0,87	1,09	1,3	1,52	1,74	1,95	2,17	2,39	2,6	2,82	3,04	3,26	3,47	3,91	4,34	4,77	5,21	5,64	6,08	6,51
500	5,23	6,54	7,84	9,15	10,46	11,76	13,07	14,38	15,68	16,99	18,3	19,61	20,91	23,53	26,14	28,75	31,37	33,98	36,6	39,21
	1,03	1,29	1,55	1,81	2,06	2,32	2,58	2,84	3,1	3,35	3,61	3,87	4,13	4,64	5,16	5,68	6,19	6,71	7,22	7,74
550	5,66	7,08	8,5	9,91	11,33	12,74	14,16	15,58	16,99	18,41	19,82	21,24	22,66	25,49	28,32	31,15	33,98	36,82	39,65	42,48
	1,12	1,4	1,67	1,95	2,23	2,51	2,79	3,07	3,35	3,63	3,91	4,19	4,46	5,02	5,58	6,14	6,7	7,25	7,81	8,37
600	6,1	7,63	9,15	10,68	12,2	13,73	15,25	16,78	18,3	19,83	21,35	22,88	24,4	27,45	30,5	33,55	36,6	39,65	42,7	45,75
	1,2	1,5	1,8	2,1	2,4	2,7	3	3,3	3,6	3,9	4,2	4,5	4,8	5,4	6	6,6	7,2	7,8	8,4	9
900	9,86	12,33	14,79	17,26	19,72	22,19	24,65	27,12	29,58	32,05	34,51	36,98	39,44	44,37	49,3	54,23	59,16	64,09	69,02	73,95
	1,72	2,15	2,58	3,01	3,44	3,87	4,3	4,73	5,16	5,59	6,02	6,45	6,88	7,74	8,6	9,46	10,32	11,18	12,04	12,9

CV11/V11

H/L	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1800	2000	2200	2400	2600	2800	3000
300	3,48	4,35	5,22	6,09	6,96	7,83	8,7	9,57	10,44	11,31	12,18	13,05	13,92	15,66	17,4	19,14	20,88	22,62	24,36	26,1
	0,7	0,88	1,05	1,23	1,4	1,58	1,75	1,93	2,1	2,28	2,45	2,63	2,8	3,15	3,5	3,85	4,2	4,55	4,9	5,25
400	4,35	5,44	6,53	7,62	8,7	9,79	10,88	11,97	13,06	14,14	15,23	16,32	17,41	19,58	21,76	23,94	26,11	28,29	30,46	32,64
	0,87	1,09	1,3	1,52	1,74	1,95	2,17	2,39	2,6	2,82	3,04	3,26	3,47	3,91	4,34	4,77	5,21	5,64	6,08	6,51
500	5,23	6,54	7,84	9,15	10,46	11,76	13,07	14,38	15,68	16,99	18,3	19,61	20,91	23,53	26,14	28,75	31,37	33,98	36,6	39,21
	1,03	1,29	1,55	1,81	2,06	2,32	2,58	2,84	3,1	3,35	3,61	3,87	4,13	4,64	5,16	5,68	6,19	6,71	7,22	7,74
550	5,66	7,08	8,5	9,91	11,33	12,74	14,16	15,58	16,99	18,41	19,82	21,24	22,66	25,49	28,32	31,15	33,98	36,82	39,65	42,48
	1,12	1,4	1,67	1,95	2,23	2,51	2,79	3,07	3,35	3,63	3,91	4,19	4,46	5,02	5,58	6,14	6,7	7,25	7,81	8,37
600	6,1	7,63	9,15	10,68	12,2	13,73	15,25	16,78	18,3	19,83	21,35	22,88	24,4	27,45	30,5	33,55	36,6	39,65	42,7	45,75
	1,2	1,5	1,8	2,1	2,4	2,7	3	3,3	3,6	3,9	4,2	4,5	4,8	5,4	6	6,6	7,2	7,8	8,4	9
900	9,86	12,33	14,79	17,26	19,72	22,19	24,65	27,12	29,58	32,05	34,51	36,98	39,44	44,37	49,3	54,23	59,16	64,09	69,02	73,95
	1,72	2,15	2,58	3,01	3,44	3,87	4,3	4,73	5,16	5,59	6,02	6,45	6,88	7,74	8,6	9,46	10,32	11,18	12,04	12,9

C21

H/L	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1800	2000	2200	2400	2600	2800	3000
300	4,54	5,68	6,81	7,95	9,08	10,22	11,35	12,49	13,62	14,76	15,89	17,03	18,16	20,43	22,7	24,97	27,24	29,51	31,78	34,05
	1,05	1,28	1,53	1,79	2,04	2,3	2,55	2,81	3,06	3,32	3,57	3,83	4,08	4,59	5,1	5,61	6,12	6,63	7,14	7,65
400	5,87	7,34	8,81	10,28	11,74	13,21	14,68	16,15	17,62	19,08	20,55	22,02	23,49	26,42	29,36	32,3	35,23	38,17	41,1	44,04
	1,28	1,6	1,92	2,24	2,56	2,88	3,2	3,52	3,84	4,16	4,48	4,8	5,12	5,76	6,4	7,04	7,68	8,32	8,96	9,6
500	7,21	9,01	10,81	12,61	14,42	16,22	18,02	19,82	21,62	23,43	25,23	27,03	28,83	32,4	36,04	39,64	43,25	16,85	50,46	54,06
	1,54	1,93	3,31	2,7	3,08	3,47	3,85	4,24	4,62	5,01	5,39	5,78	6,16	6,93	7,7	8,47	9,24	10,01	10,78	11,55
550	7,87	9,84	11,81	13,78	15,75	17,72	19,69	21,65	23,62	25,59	27,56	29,53	31,5	35,43	39,37	43,31	47,24	51,18	55,12	59,06
	1,67	2,09	2,51	2,92	3,34	3,76	4,18	4,59	5,01	5,43	5,85	6,26	6,68	7,52	8,35	9,19	10,02	10,86	11,69	12,53
600	8,54	10,68	12,81	14,95	17,08	19,22	21,35	23,49	25,62	27,76	29,89	32,03	34,16	38,43	42,7	46,97	51,24	55,51	59,78	64,05
	1,8	2,25	2,7	3,15	3,6	4,05	4,5	4,95	5,4	5,85	6,3	6,75	7,2	8,1	9	9,9	10,8	11,7	12,6	13,5
900	13,93	17,41	20,9	24,38	27,86	31,34	34,83	38,31	41,79	45,27	48,76	52,24	55,72	62,69	69,65	76,62	83,58	90,55	97,51	104,48
	2,51	3,14	3,77	4,39	5,02	5,65	6,28	6,9	7,53	8,16	8,79	9,41	10,04	11,3	12,55	13,81	15,06	16,32	17,57	18,83

CV21/V21

H/L	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1800	2000	2200	2400	2600	2800	3000
300	4,54	5,68	6,81	7,95	9,08	10,22	11,35	12,49	13,62	14,76	15,89	17,03	18,16	20,43	22,7	24,97	27,24	29,51	31,78	34,05
	1,05	1,28	1,53	1,79	2,04	2,3	2,55	2,81	3,06	3,32	3,57	3,83	4,08	4,59	5,1	5,61	6,12	6,63	7,14	7,65
400	5,87	7,34	8,81	10,28	11,74	13,21	14,68	16,15	17,62	19,08	20,55	22,02	23,49	26,42	29,36	32,3	35,23	38,17	41,1	44,04
	1,28	1,6	1,92	2,24	2,56	2,88	3,2	3,52	3,84	4,16	4,48	4,8	5,12	5,76	6,4	7,04	7,68	8,32	8,96	9,6
500	7,21	9,01	10,81	12,61	14,42	16,22	18,02	19,82	21,62	23,43	25,23	27,03	28,83	32,4	36,04	39,64	43,25	16,85	50,46	54,06
	1,54	1,93	3,31	2,7	3,08	3,47	3,85	4,24	4,62	5,01	5,39	5,78	6,16	6,93	7,7	8,47	9,24	10,01	10,78	11,55
550	7,87	9,84	11,81	13,78	15,75	17,72	19,69	21,65	23,62	25,59	27,56	29,53	31,5	35,43	39,37	43,31	47,24	51,18	55,12	59,06
	1,67	2,09	2,51	2,92	3,34	3,76	4,18	4,59	5,01	5,43	5,85	6,26	6,68	7,52	8,35	9,19	10,02	10,86	11,69	12,53
600	8,54	10,68	12,81	14,95	17,08	19,22	21,35	23,49	25,62	27,76	29,89	32,03	34,16	38,43	42,7	46,97	51,24	55,51	59,78	64,05
	1,8	2,25	2,7	3,15	3,6	4,05	4,5	4,95	5,4	5,85	6,3	6,75	7,2	8,1	9	9,9	10,8	11,7	12,6	13,5
900	13,93	17,41	20,9	24,38	27,86	31,34	34,83	38,31	41,79	45,27	48,76	52,24	55,72	62,69	69,65	76,62	83,58	90,55	97,51	104,48
	2,51	3,14	3,77	4,39	5,02	5,65	6,28	6,9	7,53	8,16	8,79	9,41	10,04	11,3	12,55	13,81	15,06	16,32	17,57	18,83

CAPACITY AND WEIGHT OF CLASSIC STEEL RADIATORS

WEIGHT [KG] CAPACITY [LITER]

C22

H/L	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1800	2000	2200	2400	2600	2800	3000
300	5,60	7,00	8,40	9,80	11,20	12,60	14,00	15,40	16,80	18,20	19,6	21	22,4	25,2	28	30,8	33,6	36,4	39,2	42
	1,34	1,68	2,01	2,35	2,68	3,02	3,35	3,69	4,02	4,36	4,69	5,03	5,36	6,03	6,7	7,37	8,04	8,71	9,38	10,05
400	7,39	9,24	11,09	12,94	14,78	16,63	18,48	20,33	22,18	24,02	25,87	27,72	29,57	33,26	36,96	40,66	44,35	48,05	51,74	55,44
	1,69	2,12	2,54	2,96	3,38	3,81	4,23	4,65	5,08	5,50	5,92	6,35	6,77	7,61	8,46	9,31	10,15	11	11,84	12,69
500	9,19	11,49	13,78	16,08	18,38	20,67	22,97	25,27	27,56	29,86	32,16	34,46	36,75	41,35	49,94	50,53	55,13	5972	64,32	68,91
	2,05	2,56	3,07	3,58	4,10	4,61	5,12	5,63	6,14	6,66	7,17	7,68	8,19	9,22	10,24	11,26	12,29	13,31	14,34	15,36
550	10,08	12,61	15,13	17,65	20,17	22,69	25,21	27,73	30,25	32,77	35,29	37,82	40,4	45,38	50,42	55,46	60,50	65,55	70,59	75,63
	2,22	2,78	3,34	3,89	4,45	5	5,56	6,12	6,67	7,23	7,78	8,34	8,9	10,01	11,12	12,23	13,34	14,46	15,57	16,68
600	10,98	13,73	16,47	19,22	21,96	24,71	27,45	30,20	32,94	35,69	38,43	41,18	43,92	49,41	54,9	60,39	65,88	71,37	76,86	82,35
	2,40	30	3,60	4,20	4,80	5,40	6	6,60	7,20	7,8	8,40	9	9,6	10,80	120	13,2	14,4	15,60	16,8	18
900	18,00	22,50	27,00	31,50	36,00	40,50	45	49,50	54,00	58,50	63	67,50	72	81	90	99	108	117	126	135
	3,37,00	4,13	4,95	5,78	6,60	7,43	8,25	9,08	9,90	10,73	11,55	11,55	13,2	14,85	16,5	18,15	19,8	21,45	23,1	24,75

CV22/V22

H/L	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1800	2000	2200	2400	2600	2800	3000
300	5,60	7,00	8,40	9,80	11,20	12,60	14,00	15,40	16,80	18,20	19,6	21	22,4	25,2	28	30,8	33,6	36,4	39,2	42
	1,34	1,68	2,01	2,35	2,68	3,02	3,35	3,69	4,02	4,36	4,69	5,03	5,36	6,03	6,7	7,37	8,04	8,71	9,38	10,05
400	7,39	9,24	11,09	12,94	14,78	16,63	18,48	20,33	22,18	24,02	25,87	27,72	29,57	33,26	36,96	40,66	44,35	48,05	51,74	55,44
	1,69	2,12	2,54	2,96	3,38	3,81	4,23	4,65	5,08	5,50	5,92	6,35	6,77	7,61	8,46	9,31	10,15	11	11,84	12,69
500	9,19	11,49	13,78	16,08	18,38	20,67	22,97	25,27	27,56	29,86	32,16	34,46	36,75	41,35	49,94	50,53	55,13	5972	64,32	68,91
	2,05	2,56	3,07	3,58	4,10	4,61	5,12	5,63	6,14	6,66	7,17	7,68	8,19	9,22	10,24	11,26	12,29	13,31	14,34	15,36
550	10,08	12,61	15,13	17,65	20,17	22,69	25,21	27,73	30,25	32,77	35,29	37,82	40,4	45,38	50,42	55,46	60,50	65,55	70,59	75,63
	2,22	2,78	3,34	3,89	4,45	5	5,56	6,12	6,67	7,23	7,78	8,34	8,9	10,01	11,12	12,23	13,34	14,46	15,57	16,68
600	10,98	13,73	16,47	19,22	21,96	24,71	27,45	30,20	32,94	35,69	38,43	41,18	43,92	49,41	54,9	60,39	65,88	71,37	76,86	82,35
	2,40	30	3,60	4,20	4,80	5,40	6	6,60	7,20	7,8	8,40	9	9,6	10,80	120	13,2	14,4	15,60	16,8	18
900	18,00	22,50	27,00	31,50	36,00	40,50	45	49,50	54,00	58,50	63	67,50	72	81	90	99	108	117	126	135
	3,37,00	4,13	4,95	5,78	6,60	7,43	8,25	9,08	9,90	10,73	11,55	11,55	13,2	14,85	16,5	18,15	19,8	21,45	23,1	24,75

C33

H/L	400	500	7600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1800	2000	2200	2400	2600	2800	3000
300	8,64	10,8	12,96	15,12	17,28	19,44	21,6	23,76	25,92	28,08	30,24	32,4	34,56	38,88	43,2	47,52	51,84	56,16	60,48	64,8
	2,1	2,63	3,15	3,68	4,2	4,73	5,25	5,78	6,3	6,83	7,35	7,88	8,4	9,45	10,5	11,55	12,6	13,65	14,7	15,75
400	11,62	14,53	17,43	20,34	23,24	26,15	29,05	31,96	34,86	37,77	40,67	43,58	46,48	52,29	58,1	63,91	69,72	75,53	81,34	87,15
	2,59	3,24	3,89	4,54	5,18	5,83	6,48	7,13	7,78	8,42	9,07	9,72	10,37	11,66	12,96	14,26	15,55	16,85	18,14	19,44
500	14,6	18,25	21,9	25,55	29,2	32,85	36,5	40,15	43,8	47,45	51,1	54,75	58,4	65,7	73	80,3	87,6	94,9	102,2	109,5
	3,09	3,86	4,63	5,4	6,18	6,95	7,72	8,49	9,26	10,04	10,81	11,58	12,35	13,9	15,44	16,98	18,53	20,07	21,62	23,16
550	16,09	20,12	24,14	28,16	32,18	36,21	40,23	44,25	48,28	52,3	56,32	60,35	64,37	72,41	80,46	88,51	96,55	104,6	112,64	120,69
	3,33	4,17	5	5,83	6,66	7,5	8,33	9,16	10	10,83	11,66	12,5	13,33	14,99	16,66	18,33	19,99	21,66	23,32	24,99
600	17,58	21,98	26,37	30,77	35,16	39,56	43,95	48,35	52,74	57,14	61,53	65,93	70,32	79,11	87,9	96,69	105,48	114,27	123,06	131,85
	3,58	4,48	5,37	6,27	7,16	8,06	8,95	9,85	10,74	11,64	13,43	13,43	14,32	16,11	17,9	19,69	21,48	23,27	25,06	26,85
900	25,08	31,35	37,62	43,89	50,16	56,43	62,7	68,97	75,24	81,51	94,05	94,05	100,32	112,86	125,4	137,94	150,48	163,02	175,56	188,1
	5,06	6,33	7,59	8,86	10,12	11,39	12,65	13,92	15,18	16,45	18,98	18,98	20,24	22,77	25,3	27,83	30,36	32,89	35,42	3795

CV33/V33

H/L	400	500	7600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1800	2000	2200	2400	2600	2800	3000
300	8,64	10,8	12,96	15,12	17,28	19,44	21,6	23,76	25,92	28,08	30,24	32,4	34,56	38,88	43,2	47,52	51,84	56,16	60,48	64,8
	2,1	2,63	3,15	3,68	4,2	4,73	5,25	5,78	6,3	6,83	7,35	7,88	8,4	9,45	10,5	11,55	12,6	13,65	14,7	15,75
400	11,62	14,53	17,43	20,34	23,24	26,15	29,05	31,96	34,86	37,77	40,67	43,58	46,48	52,29	58,1	63,91	69,72	75,53	81,34	87,15
	2,59	3,24	3,89	4,54	5,18	5,83	6,48	7,13	7,78	8,42	9,07	9,72	10,37	11,66	12,96	14,26	15,55	16,85	18,14	19,44
500	14,6	18,25	21,9	25,55	29,2	32,85	36,5	40,15	43,8	47,45	51,1	54,75	58,4	65,7	73	80,3	87,6	94,9	102,2	109,5
	3,09	3,86	4,63	5,4	6,18	6,95	7,72	8,49	9,26	10,04	10,81	11,58	12,35	13,9	15,44	16,98	18,53	20,07	21,62	23,16
550	16,09	20,12	24,14	28,16	32,18	36,21	40,23	44,25	48,28	52,3	56,32	60,35	64,37	72,41	80,46	88,51	96,55	104,6	112,64	120,69
	3,33	4,17	5	5,83	6,66	7,5	8,33	9,16	10	10,83	11,66	12,5	13,33	14,99	16,66	18,33	19,99	21,66	23,32	24,99
600	17,58	21,98	26,37	30,77	35,16	39,56	43,95	48,35	52,74	57,14	61,53	65,93	70,32	79,11	87,9	96,69	105,48	114,27	123,06	131,85
	3,58	4,48	5,37	6,27	7,16	8,06	8,95	9,85	10,74	11,64	13,43	13,43	14,32	16,11	17,9	19,69	21,48	23,27	25,06	26,85
900	25,08	31,35	37,62	43,89	50,16	56,43	62,7	68,97	75,24	81,51	94,05	94,05	100,32	112,86	125,4	137,94	150,48	163,02	175,56	188,1
	5,06	6,33	7,59	8,86	10,12	11,39	12,65	13,92	15,18	16,45	18,98	18,98	20,24	22,77	25,3	27,83	30,36	32,89	35,42	3795

THREE-CONNECTION, THOUGHENED ALUMINIUM RADIATORS

Aluminum radiators are gaining more and more popularity, both in Europe and in Poland, thanks to their lightness and resistance to corrosion. They are characterized by good heat conductivity and easy setting. Their additional advantage is an extensive heat exchange surface. Their biggest advantage over steel panel radiators is their modular structure. Due to this it is possible to add another ribs at any time, increasing the radiator's power at the same time.

Our aluminum radiators are made from high-quality aluminium alloy and with the use of the most modern pressure die casting technologies. Used raw materials and production technologies guarantee high-quality product and optimal thermal efficiency. Radiators made that way are characterized by high mechanical parameters, corrosion resistance as well as a high coefficient of thermal conductivity.

During the production process, all initially single ribs as well as complete sets are tested twice for leakage. This essentially eliminates the possibility of a leak. The production process is subject to quality supervision confirmed by the ISO 9001 Quality Management System certificate, which guarantees high quality and reliability.

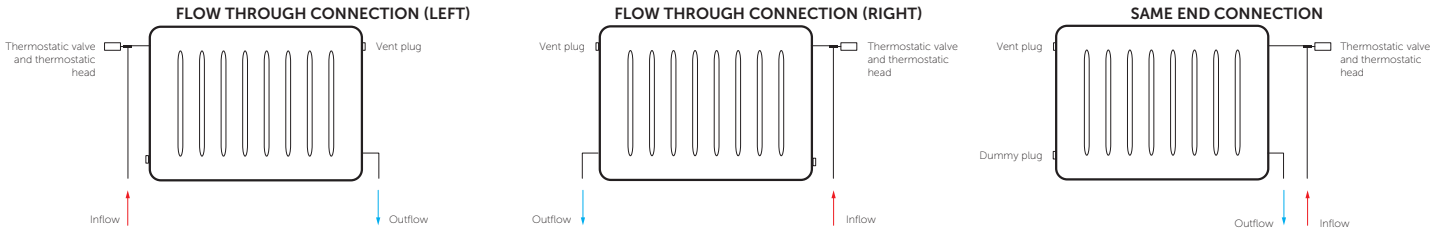
INSTALLATION OF THE RADIATOR

The best location for a radiator is under windows or in a cooler part of the room. It is not recommended to place the radiator in deep niches and other places that do not guarantee proper air circulation. The manufacturer recommends using the brackets and plugs supplied with the equipment for mountage and connecting the radiator to the installation using pipes with a diameter of 1/2 ".

Be especially careful not to mechanically damage outer surface of the radiator during the installation.
- Minimum distance from the radiator to the wall: 10mm
- Minimum distance from the radiator to the floor: 120mm

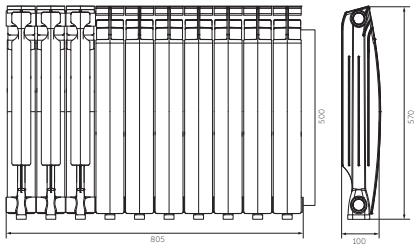
RECOMMENDED CONNECTIONS

All radiators have 1/2 " connections, enabling the connection of them to heating system.
The connections are female-threaded.
Due to the type of radiator - C or V - there are several options for connecting the product to the installation.



IDMAR aluminum radiators can work with all types of heating installations (including steel, copper, PEX, PP-R, CPV-C)
Caution: radiator valves must be purchased separately.

ALUMINIUM RADIATOR CATALONIA



Use:
Space heating in residential, industrial and public buildings.

Technical data:
Max. working pressure: **1,6 MPa**
Max. working temperature: **+95°C**
Connection: **1"**
Number of tubes: standard 10,
any amount to order
Water capacity of tube: **0,32 l**
Color: **white RAL 9016**

Thermic power:

ΔT=60 K(90/70/20°C)	1367
ΔT=50 K(75/65/20°C)	1077
ΔT=30 K(55/45/20°C)	553

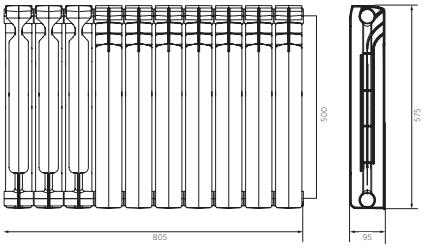
Materials tally:
Body: Aluminium-silicon alloy

Standards:
PN-EN 442-1
PN-EN 442-2

Dimension:
Depth: **100 mm**
Height: **575 mm**
Width: **805 mm**

EAN	Code
5906489940743	CATALONIA_N

ALUMINIUM RADIATOR CALYPSO POWER



Use:
Space heating in residential, industrial and public buildings.

Technical data:
Max. working pressure: **1,6 MPa**
Max. working temperature: **+95°C**
Connection: **1"**
Number of tubes: standard 10,
any amount to order
Water capacity of tube: **0,38 l**
Color: **white RAL 9016**

Thermic power:

ΔT=60 K(90/70/20°C)	1184
ΔT=50 K(75/65/20°C)	939
ΔT=30 K(55/45/20°C)	489

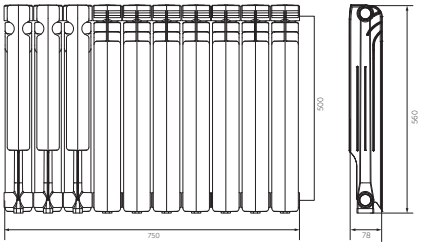
Materials tally:
Body: Aluminium-silicon alloy

Standards:
PN-EN 442-1
PN-EN 442-2

Dimension:
Depth: **96 mm**
Height: **575 mm**
Width: **805 mm**

EAN	Code
5906489940729	CALYPSOPOW

ALUMINIUM RADIATOR LIDER



Use:
Space heating in residential, industrial and public buildings.

Technical data:
Max. working pressure: **1,6 MPa**
Max. working temperature: **+95°C**
Connection: **1"**
Number of tubes: standard 10,
any amount to order
Water capacity of tube: **0,29 l**
Color: **white RAL 9016**

Thermic power:

ΔT=60 K(90/70/20°C)	916
ΔT=50 K(75/65/20°C)	725
ΔT=30 K(55/45/20°C)	376

Materials tally:
Body: Aluminium-silicon alloy

Standards:
PN-EN 442-1
PN-EN 442-2

Dimension:
Depth: **75 mm**
Height: **560 mm**
Width: **745 mm**

EAN	Code
5906489940736	LIDER_N

NOTES

CURVED TOWEL RADIATOR WHITE

Use:
Classic, ladder towel radiator in white. Due to rounded vertical mouldings together with straight transversal collectors and spaces between pipes that enable convenient towel drying, this is most-bought radiator on market

Technical data:
Max. working pressure: **1,2 MPa**
Max. working temperature: **+95°C**
Connection: **1/2"**
Color: **white RAL 9016**

Thermic power:

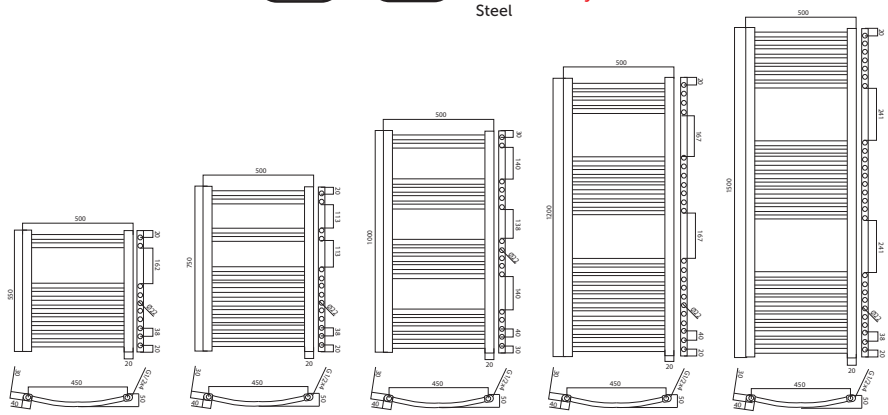
PARAMETERS	HEIGHT				
	550	750	1000	1200	1500
ΔT=50 K(75/65/20°C)	224	311	374	490	605

Max. pressure 1,2 MPa

Max. temp. +95°C

Compliant with:
PN-EN 442-1
PN-EN 442-2

Materials tally:
Steel



EAN	Code	Size
5906489904639	BPUO500X0550B	500 x 550
5906489904646	BPUO500X0750B	500 x 750
5906489905759	BPUO500X1000B	500 x 1000
5906489904578	BPUO500X1200B	500 x 1200
5906489904660	BPUO500X1500B	500 x 1500

CURVED TOWEL RADIATOR CHROME

Use:
Classic, ladder towel radiator in chrome. Due to rounded vertical mouldings together with straight transversal collectors and spaces between pipes that enable convenient towel drying, this is most-bought radiator on market

Technical data:
Max. working pressure: **1,2 MPa**
Max. working temperature: **+95°C**
Connection: **1/2"**
Color: **Chrome**

Thermic power:

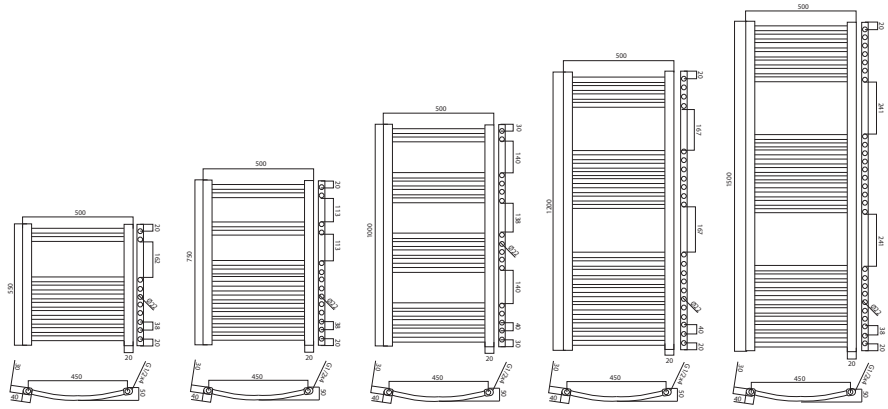
PARAMETERS	HEIGHT				
	550	750	1000	1200	1500
ΔT=50 K(75/65/20°C)	154	214	257	337	416

Max. pressure 1,2 MPa

Max. temp. +95°C

Compliant with:
PN-EN 442-1
PN-EN 442-2

Materials tally:
Steel



EAN	Code	Size
5906489904677	BPUO500X0550C	500 x 550
5906489904684	BPUO500X0750C	500 x 750
5906489905766	BPUO500X1000C	500 x 1000
5906489904691	BPUO500X1200C	500 x 1200
5906489904707	BPUO500X1500C	500 x 1500

CURVED TOWEL RADIATOR WHITE

Use:
Classic, ladder towel radiator in white. Due to rounded vertical mouldings together with straight transversal collectors and spaces between pipes that enable convenient towel drying, this is most-bought radiator on market

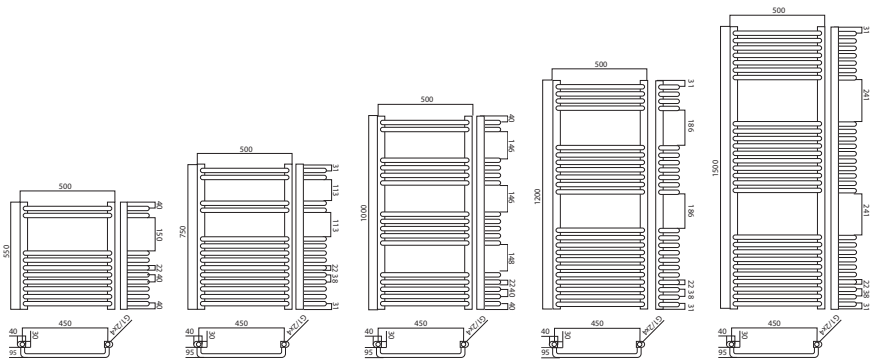
Technical data:
Max. working pressure: **1,2 MPa**
Max. working temperature: **+95°C**
Connection: **1/2"**
Color: **white RAL 9016**

Thermic power:

PARAMETERS	HEIGHT				
	550	750	1000	1200	1500
ΔT=50 K(75/65/20°C)	279	387	461	610	752

Compliant with:
PN-EN 442-1
PN-EN 442-2

Materials tally:
Steel



EAN	Code	Size
5906489906855	BPUP500X0550B	500 x 550
5906489906862	BPUP500X0750B	500 x 750
5906489906879	BPUP500X1000B	500 x1000
5906489906886	BPUP500X1200B	500 x 1200
5906489906893	BPUP500X1500B	500 x 1500

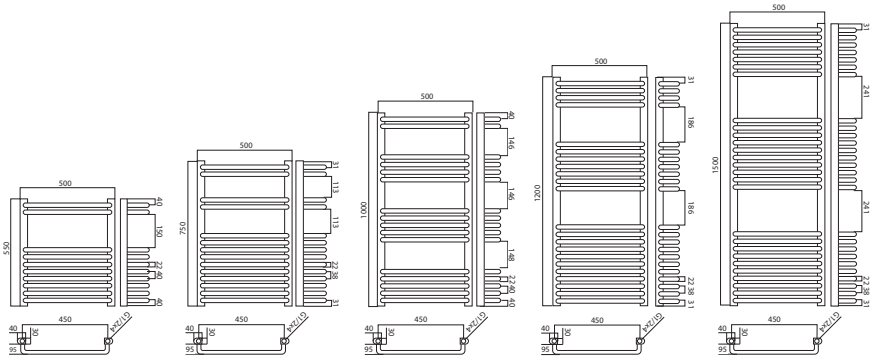
CURVED TOWEL RADIATOR CHROME

Use:
Classic, ladder towel radiator in CHROME. Due to rounded vertical mouldings together with straight transversal collectors and spaces between pipes that enable convenient towel drying, this is most-bought radiator on market

Technical data:
Max. working pressure: **1,2 MPa**
Max. working temperature: **+95°C**
Connection: **1/2"**
Color: **Chrome**

Compliant with:
PN-EN 442-1
PN-EN 442-2

Materials tally:
Steel



EAN	Code	Name
5906489906909	BPUP500X0550C	500 x 550
5906489906916	BPUP500X0750C	500 x 750
5906489906923	BPUP500X1000C	500 x 1000
5906489906930	BPUP500X1200C	500 x 1200
5906489906947	BPUP500X1500C	500 x 1500

TOWEL RADIATOR SNELLO WHITE

Use:
Plain and functional ladder towel radiator, in classic style, fits perfectly in every bathroom or kitchen. Square mouldings give a modern look, and white colour allows for distinguishing rooms, which radiator will be hanged in.

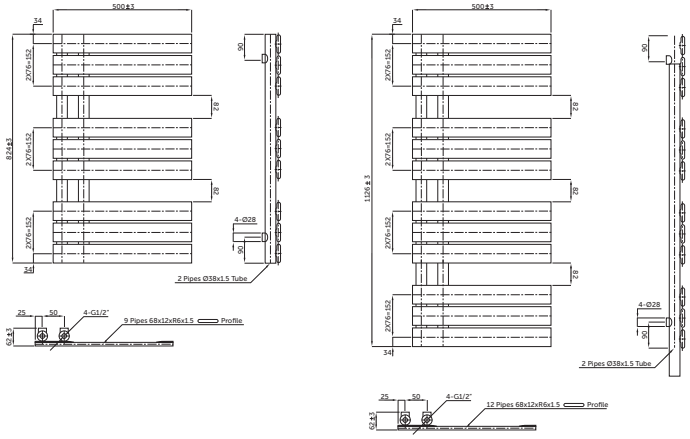
Technical data:
Max. working pressure: **0,3 MPa**
Max. working temperature: **+95°C**
Depth: **62 mm**
Connection: **1/2"**
Color: **White**

Thermic power:

PARAMETERS	HEIGHT	
	900	1200
ΔT=50 K(75/65/20°C)	370W	472W
ΔT=30 K(55/45/20°C)	202W	252W

Compliant with:
PN-EN 442-1
PN-EN 442-2

Materials tally:
Steel



EAN	Code	Name
5906489965289	GD500X900B	SNELLO White 500X900
5906489965302	GD500X1200B	SNELLO White 500X1200

TOWEL RADIATOR SNELLO ANTHRACITE

Use:
Plain and functional ladder towel radiator, in classic style, fits perfectly in every bathroom or kitchen. Square mouldings give a modern look, and anthracite colour allows for distinguishing rooms, which radiator will be hanged in.

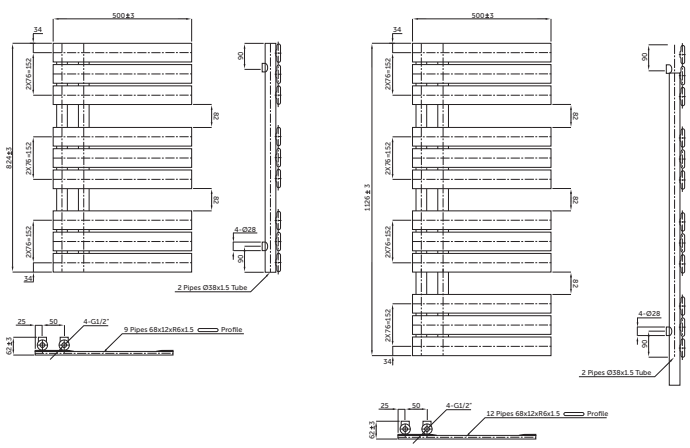
Technical data:
Max. working pressure: **0,3 MPa**
Max. working temperature: **+95°C**
Depth: **62 mm**
Connection: **1/2"**
Color: **Anthracite**

Thermic power:

PARAMETERS	HEIGHT	
	900	1200
ΔT=50 K(75/65/20°C)	370W	472W
ΔT=30 K(55/45/20°C)	202W	252W

Compliant with:
PN-EN 442-1
PN-EN 442-2

Materials tally:
Steel



EAN	Code	Name
5906489965296	GD500X900A	SNELLO Anthracite 500X900
5906489965319	GD500X1200A	SNELLO Anthracite 500X1200

TOWEL RADIATOR VERDE WHITE

Use:
Plain and functional ladder towel radiator, in classic style, fits perfectly in every bathroom or kitchen. Square mouldings give a modern look, and white colour allows for distinguishing rooms, which radiator will be hanged in.

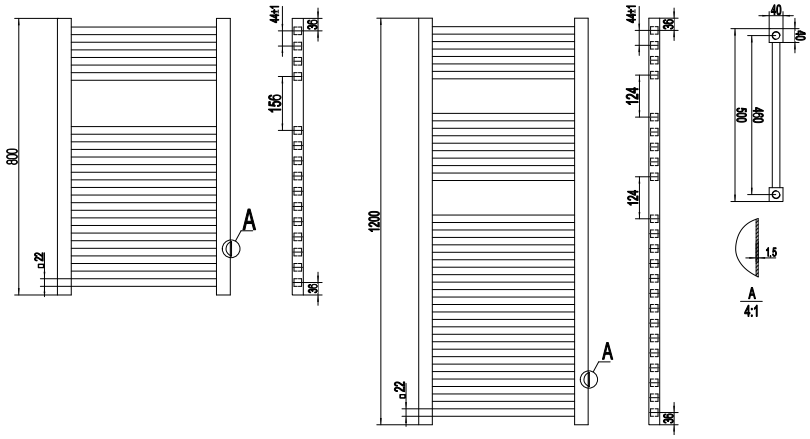
Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+95°C**
Depth: **40mm**
Connection: **1/2"**
Color: **White**

Thermic power:

PARAMETERS	HEIGHT	
	800	1200
ΔT=50 K(75/65/20°C)	397	603

Compliant with:
PN-EN 442-1
PN-EN 442-2

Materials tally:
Steel



EAN	Code	Name
5906489953088	BPV500X0800B	500 x 800
5906489953095	BPV500X1200B	500 x 1200

TOWEL RADIATOR VERDE ANTHRACITE

Use:
Plain and functional ladder towel radiator, in classic style, fits perfectly in every bathroom or kitchen. Square mouldings give a modern look, and anthracite colour allows for distinguishing rooms, which radiator will be hanged in.

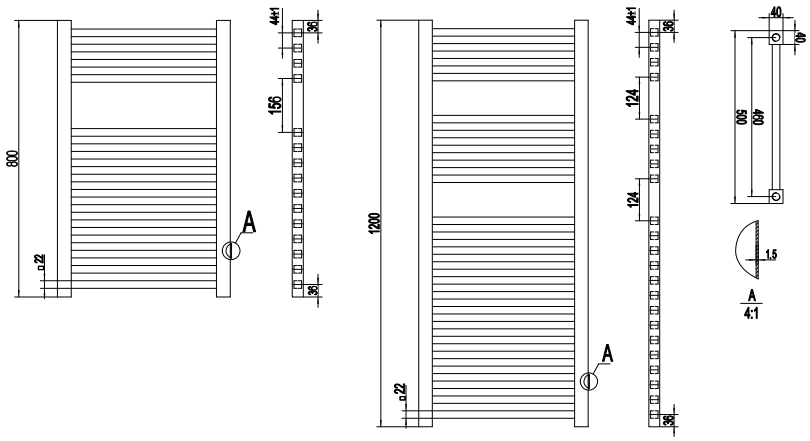
Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+95°C**
Depth: **40mm**
Connection: **1/2"**
Color: **Anthracite**

Thermic power:

PARAMETERS	HEIGHT	
	800	1200
ΔT=50 K(75/65/20°C)	397	603

Compliant with:
PN-EN 442-1
PN-EN 442-2

Materials tally:
Steel



EAN	Code	Name
5906489953149	BPV500X0800A	500 x 800
5906489953156	BPV500X1200A	500 x 1200

TOWEL RADIATOR VERDE CHROME

Use:
Plain and functional ladder towel radiator, in classic style, fits perfectly in every bathroom or kitchen. Square mouldings give a modern look, and chrome colour allows for distinguishing rooms, which radiator will be hanged in.

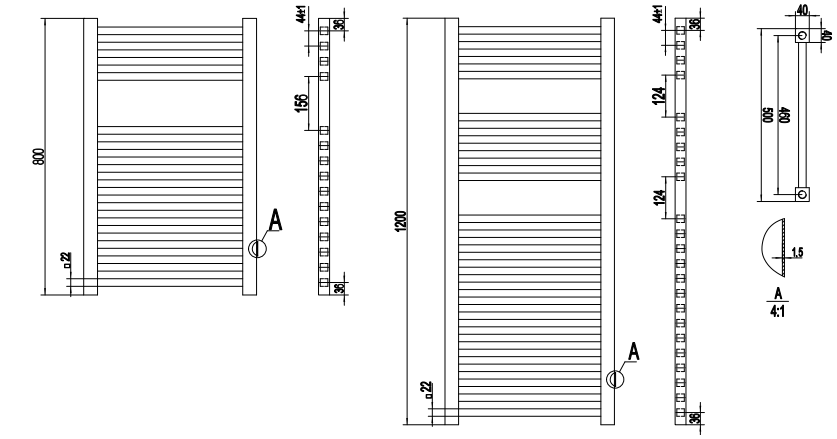
Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+95°C**
Depth: **40mm**
Connection: **1/2"**
Color: **Chrome**

Thermic power:

PARAMETERS	HEIGHT	
	800	1200
ΔT=50 K(75/65/20°C)	272	414

Compliant with:
PN-EN 442-1
PN-EN 442-2

Materials tally:
Steel



EAN	Code	Name
5906489953125	BPV500X0800CR	500 x 800
5906489953132	BPV500X1200CR	500 x 1200

TOWEL RADIATOR VERDE CAPPUCCINO

Use:
Plain and functional ladder towel radiator, in classic style, fits perfectly in every bathroom or kitchen. Square mouldings give a modern look, and cappuccino allows for fitting the radiator in modern, as well as in classical-arranged spaces.

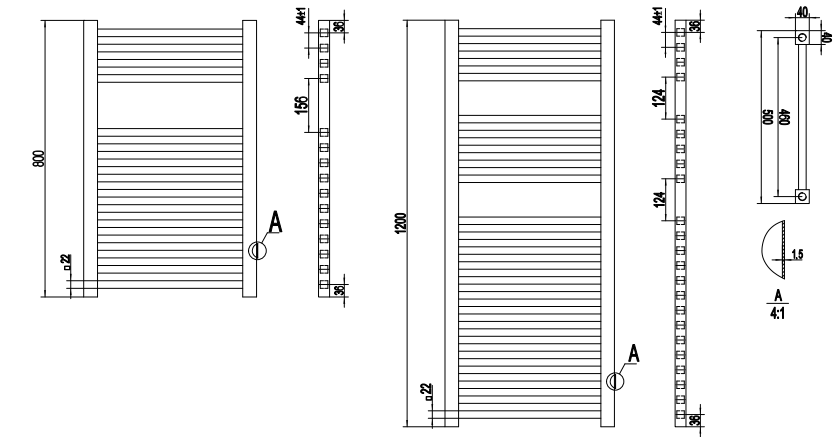
Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+95°C**
Depth: **40mm**
Connection: **1/2"**
Color: **cappuccino**

Thermic power:

PARAMETERS	HEIGHT	
	800	1200
ΔT=50 K(75/65/20°C)	397	603

Compliant with:
PN-EN 442-1
PN-EN 442-2

Materials tally:
Steel



EAN	Code	Name
5906489953101	BPV500X0800CA	500 x 800
5906489953118	BPV500X1200CA	500 x 1200

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HORIZONTAL STEEL RADIATOR CV22 WITH REEDED PANEL COVER WHITE

Use:
Space heating in residential, industrial and public buildings.

Technical data:
Max. working pressure: **0,45 MPa**
Max. pressure guaranteed by producer: **1,2 MPa**
Max. working temperature: **+95°C**
Depth: **100mm**
Connection: **Universal**
Color: **White**

Thermic power:

H/L	400	600	800	1000	1200	1400
	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K
600	641/505/260	961/758/389	1281/1010/519	1602/1263/649	1922/1516/779	2242/1768/909

EN 442 EURONORM CE Max. pressure 0,45 MPa Max. temp. +95°C

Compliant with:
PN-EN 442-1
PN-EN 442-2

Materials tally:
Cold-formed steel

EAN	Code	Size
5906489954023	V22600X040PD	600 x 400
5906489954030	V22600X060PD	600 x 600
5906489954047	V22600X080PD	600 x 800
5906489954054	V22600X100PD	600 x 1000
5906489954061	V22600X120PD	600 x 1200
5906489954078	V22600X140PD	600 x 1400

HORIZONTAL STEEL RADIATOR CV22 WITH REEDED PANEL COVER ANTHRACITE

Use:
Space heating in residential, industrial and public buildings.

Technical data:
Max. working pressure: **0,45 MPa**
Max. pressure guaranteed by producer: **1,2 MPa**
Max. working temperature: **+95°C**
Depth: **100mm**
Connection: **Universal**
Color: **Antarcyt**

Thermic power:

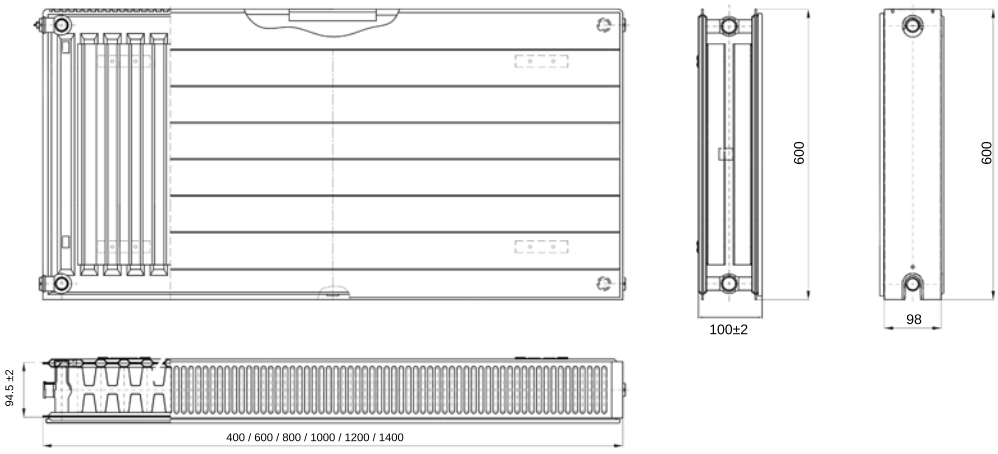
H/L	400	600	800	1000	1200	1400
	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K
600	641/505/260	961/758/389	1281/1010/519	1602/1263/649	1922/1516/779	2242/1768/909

EN 442 EURONORM CE Max. pressure 0,45 MPa Max. temp. +95°C

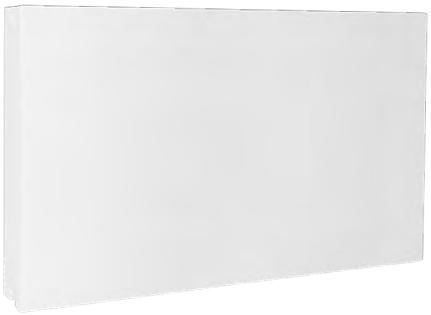
Compliant with:
PN-EN 442-1
PN-EN 442-2

Materials tally:
Cold-formed steel

EAN	Code	Size
5906489954085	V22600X040PDA	600 x 400
5906489954092	V22600X060PDA	600 x 600
5906489954108	V22600X080PDA	600 x 800
5906489954115	V22600X100PDA	600 x 1000
5906489954122	V22600X120PDA	600 x 1200
5906489954139	V22600X140PDA	600 x 1400



HORIZONTAL STEEL RADIATOR CV22 WITH FLAT PANEL COVER WHITE



Use:
Space heating in residential, industrial and public buildings.

Technical data:
Max. working pressure: **0,45 MPa**
Max. pressure guaranteed by producer: **1,2 MPa**
Max. working temperature: **+95°C**
Depth: **100mm**
Connection: **Universal**
Color: **White**

Thermic power:

H/L	400	600	800	1000	1200	1400
	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K
600	641/505/260	961/758/389	1281/1010/519	1602/1263/649	1922/1516/779	2242/1768/909

Compliant with:
PN-EN 442-1
PN-EN 442-2

Materials tally:
Cold-formed steel

EAN	Code	Size
5906489963360	GSPP_CV22600X04PDP	600 x 400
5906489963377	GSPP_CV22600X06PDP	600 x 600
5906489963384	GSPP_CV22600X08PDP	600 x 800
5906489963391	GSPP_CV22600X10PDP	600 x 1000
5906489963407	GSPP_CV22600X12PDP	600 x 1200
5906489963414	GSPP_CV22600X14PDP	600 x 1400

HORIZONTAL STEEL RADIATOR CV22 WITH FLAT PANEL COVER ANTHRACITE

Use:
Space heating in residential, industrial and public buildings.

Technical data:
Max. working pressure: **0,45 MPa**
Max. pressure guaranteed by producer: **1,2 MPa**
Max. working temperature: **+95°C**
Depth: **100mm**
Connection: **Universal**
Color: **Anthracite**

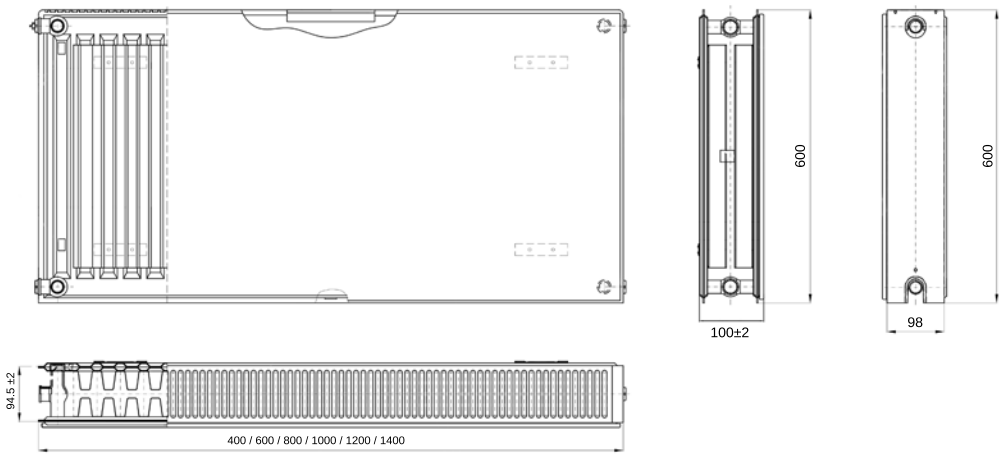
Thermic power:

H/L	400	600	800	1000	1200	1400
	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K	ΔT=60K / 50K / 30K
600	641/505/260	961/758/389	1281/1010/519	1602/1263/649	1922/1516/779	2242/1768/909

Compliant with:
PN-EN 442-1
PN-EN 442-2

Materials tally:
Cold-formed steel

EAN	Code	Size
5906489965814	GSPP_CV22600X04PDPA	600 x 400
5906489965821	GSPP_CV22600X06PDPA	600 x 600
5906489965838	GSPP_CV22600X08PDPA	600 x 800
5906489965845	GSPP_CV22600X10PDPA	600 x 1000
5906489965852	GSPP_CV22600X12PDPA	600 x 1200
5906489965869	GSPP_CV22600X14PDPA	600 x 1400



VERTICAL RADIATOR WITH REEDED PANEL COVER WHITE

Use:
Space heating in residential, industrial and public buildings.

Technical data:
Max. working pressure: **0,45 MPa**
Max. pressure guaranteed by producer: **1,2 MPa**
Max. working temperature: **+95°C**
Connection: **Mid-bottom**
Color: **White**

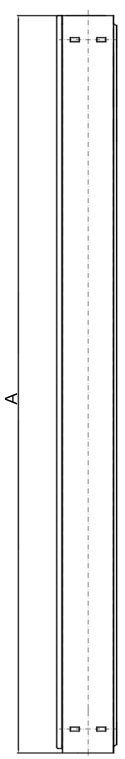
Thermic power:

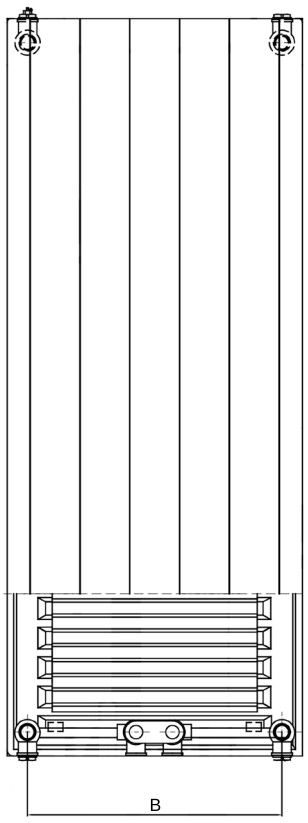
L/H	400	555	600
	ΔT=30K / 50K / 60K	ΔT=30K / 50K / 60K	ΔT=30K / 50K / 60K
1600	437 / 844 / 1067	606 / 1170 / 1481	655 / 1265 / 1601
1800	442/860/1091	613 /1194 / 1514	663/1290/1637

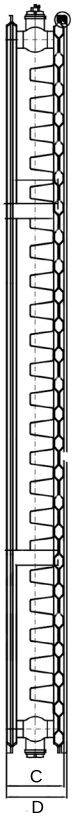
Compliant with:
PN-EN 442-1
PN-EN 442-2

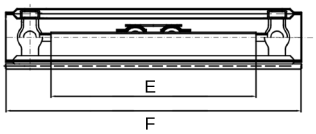
Materials tally:
Cold-formed steel

EAN	Code	Size
5906489963568	GSDP_V211600X040BRF	1600 x 400
5906489963605	GSDP_V211600X060BRF	1600 x 600
5906489963582	GSDP_V211800X040BRF	1800 x 400
5906489963261	GSDP_V211800X055BRF	1800 x 555
5906489963629	GSDP_V211800X060BRF	1800 x 600









	1600x400	1600x600	1800x400	1800x500	1800x600
A	1600	1600	1800	1800	1800
B	345	565	345	465	565
C	78	78	78	78	78
D	82	82	82	82	82
E	278	478	278	378	478
F	400	600	400	500	600

VERTICAL RADIATOR WITH REEDED PANEL COVER ANTHRACITE

Use:
Space heating in residential, industrial and public buildings.

Technical data:
Max. working pressure: **0,45 MPa**
Max. pressure guaranteed by producer: **1,2 MPa**
Max. working temperature: **+95°C**
Connection: **Mid-bottom**
Color: **Anthracite**

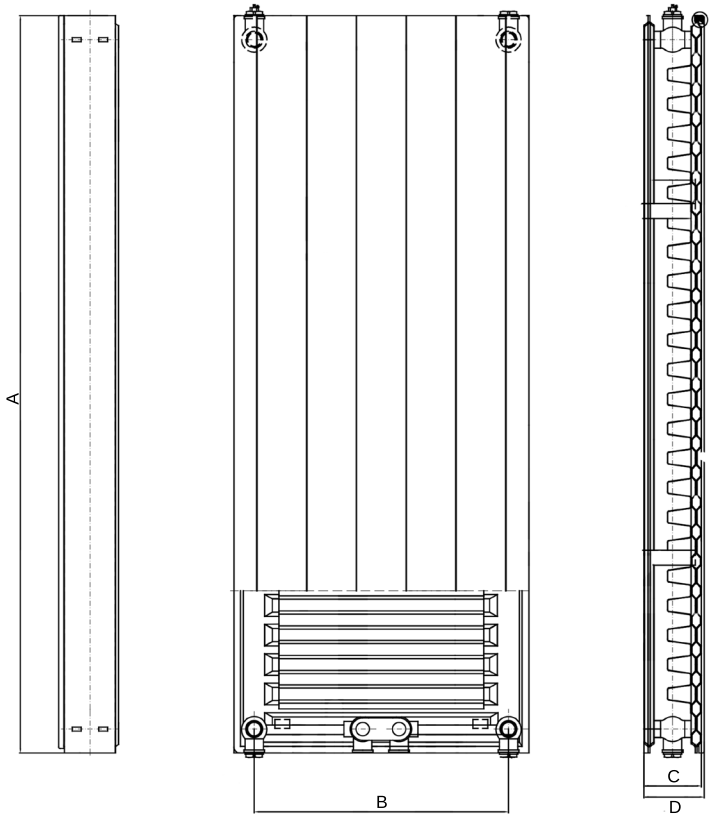
Thermic power:

L/H	400	555	600
	ΔT=30K / 50K / 60K	ΔT=30K / 50K / 60K	ΔT=30K / 50K / 60K
1600	437 / 844 / 1067	606 / 1170 / 1481	655 / 1265 / 1601
1800	442/860/1091	613 /1194 / 1514	663/1290/1637

Compliant with:
PN-EN 442-1
PN-EN 442-2

Materials tally:
Cold-formed steel

EAN	Code	Size
5906489963575	GSDP_V211600X040ARF	1600 x 400
5906489963612	GSDP_V211600X060ARF	1600 x 600
5906489963599	GSDP_V211800X040ARF	1800 x 400
5906489963285	GSDP_V211800X055ARF	1800 x 555
5906489963636	GSDP_V211800X060ARF	1800 x 600



	1600x400	1600x600	1800x400	1800x500	1800x600
A	1600	1600	1800	1800	1800
B	345	565	345	465	565
C	78	78	78	78	78
D	82	82	82	82	82
E	278	478	278	378	478
F	400	600	400	500	600

VERTICAL RADIATOR WITH FLAT PANEL COVER WHITE

Use:
Space heating in residential, industrial and public buildings.

Technical data:
Max. working pressure: **0,45 MPa**
Max. pressure guaranteed by producer: **1,2 MPa**
Max. working temperature: **+95°C**
Connection: **Mid-bottom**
Color: **White**

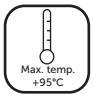
Thermic power:

L/H	555
	ΔT=30K / 50K / 60K
1600	606 / 1170 / 1481
1800	613 / 1194 / 1514

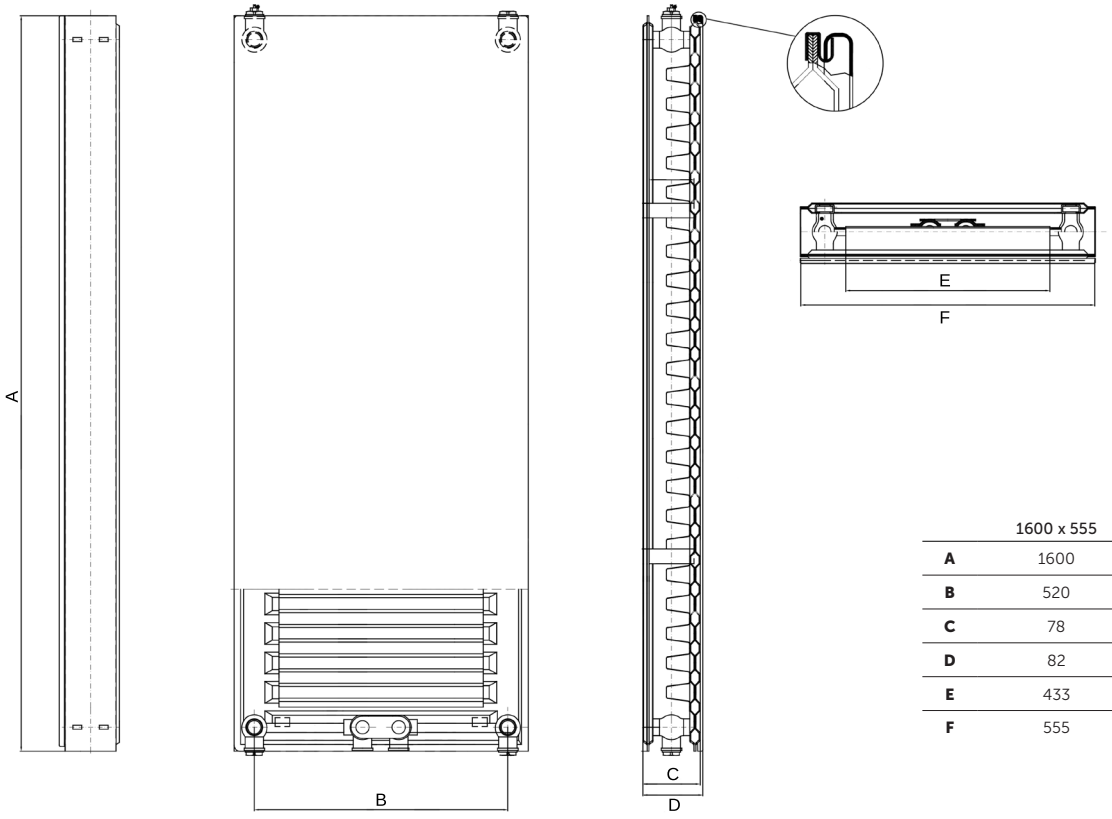
Compliant with:
PN-EN 442-1
PN-EN 442-2

Materials tally:
Cold-formed steel

EN EURONORM 442 CE



EAN	Code	Size
5906489963724	GSDP_V211600X055BPL	1600 x 555
5906489963254	GSDP_V211800X055BPL	1800 x 555



	1600 x 555	1800 x 555
A	1600	1800
B	520	520
C	78	78
D	82	82
E	433	433
F	555	555

VERTICAL RADIATOR WITH FLAT PANEL COVER ANTHRACITE

Use:
Space heating in residential, industrial and public buildings.

Technical data:
Max. working pressure: **0,45 MPa**
Max. pressure guaranteed by producer: **1,2 MPa**
Max. working temperature: **+95°C**
Connection: **Mid-bottom**
Color: **Anthracite**

Thermic power:

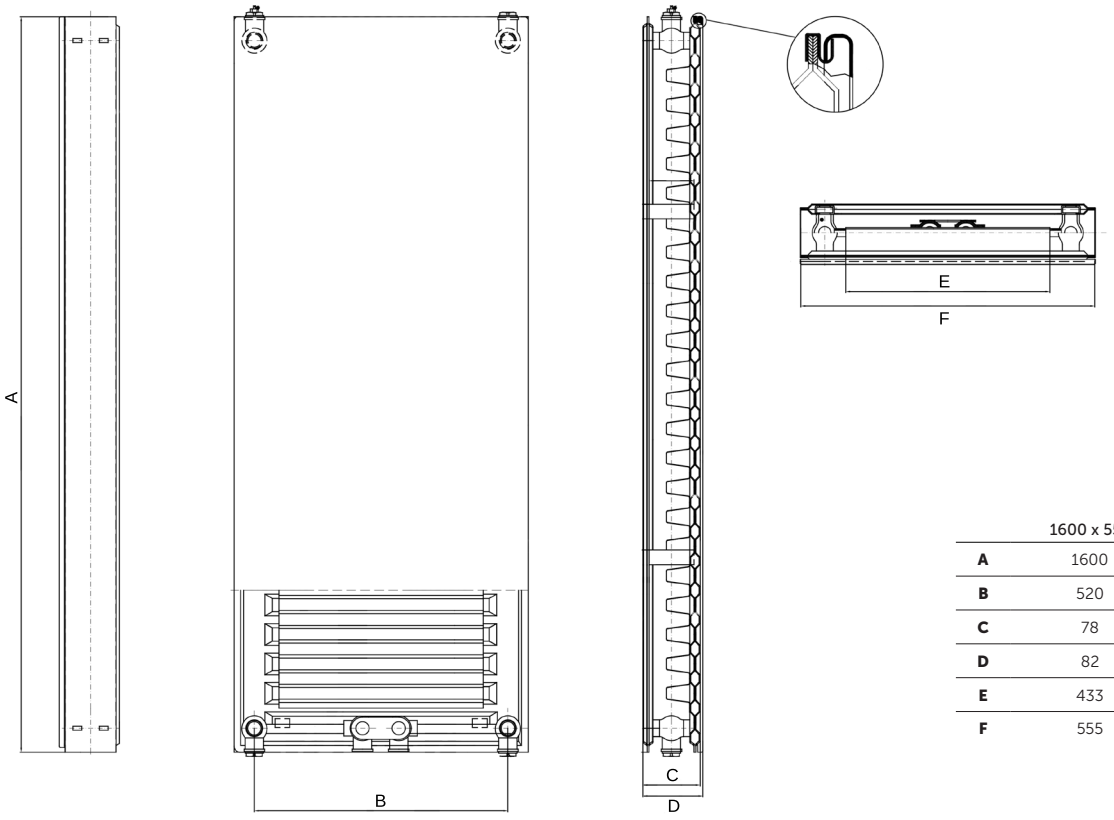
L/H	555
	ΔT=60K / 50K / 30K
1600	606 / 1170 / 1481
1800	613 / 1194 / 1514

Compliant with:
PN-EN 442-1
PN-EN 442-2

Materials tally:
Cold-formed steel

EURONORM EN 442 CE Max. pressure 0,45 MPa Max. temp. +95°C

EAN	Code	Size
5906489963759	GSDP_V211600X055APL	1600 x 555
5906489963278	GSDP_V211800X055APL	1800 x 555



	1600 x 555	1800 x 555
A	1600	1800
B	520	520
C	78	78
D	82	82
E	433	433
F	555	555

RADIATOR ACCESORIESS

USE

Thermostatic heads regulate temperature in the room by reducing or increasing the flow of heating medium through he radiator. They are mounted on thermostatic valves or on thermostatic insert.

KEEP IN MIND THAT:

- The head must be installed horizontally,
- Thermostatic head should not be exposed to heat source,
- Thermostatic head should not be covered by curtains, furniture. It also should not be built over. Otherwise heat accumulation zone can be formed - thermostat may not detect temperature in the room, thereby it may not regulate temperature properely.

MOUNTING METHOD:

1. Set-up the head on setting No. 5.
2. ZInstall the head on a radiator with a cap placed on the bottom. After installing there cannot be any backlash between the head and valve or/and between the head and thermostatic insert.

The head has an antifreeze protection system: by setting the head on the lowest position (snowflake symbol) the flow doesn't stop completely. Instead room tempetature reaches 6°C. This solution protects heating instalaton against freezeing and cracking pipes and radiators.

THERMOSTATIC VALVES:

Thermostatic valves are used for central heating radiator. They are installed on power pipework side. Together with thermostatic head they regulate temperature in the room by changing the flow of heating medium through the radiator. Use of thermostatic valves allows for individual regulation of the temperaure in every room.

• The valves are available in straight and angled versions

RETURN VALVES

Return valves are used for central heating radiator. They are installed on return pipework side. They fulfil a funcion of shut-off valve.

• The valves are available in straight and angled versions

CONNECTION VALVES

• The valves are available in straight and angled versions
• Solid construction

THERMOSTATIC HEADS

OPTI COMFORT thermostatic heads maintain a constant, required temperature separately for each room. They allow you to reduce energy consumption - by an average of 25%. This is possible thanks to the use of other heat sources and maintaining a constant temperature in the room. OPTI COMFORT thermostatic heads are characterized by high reliability, durability and aesthetics. They control the flow of the heating liquid to the radiator according to the desired temperature. The setting can be adjusted by using the knob located on the thermostatic head's body.

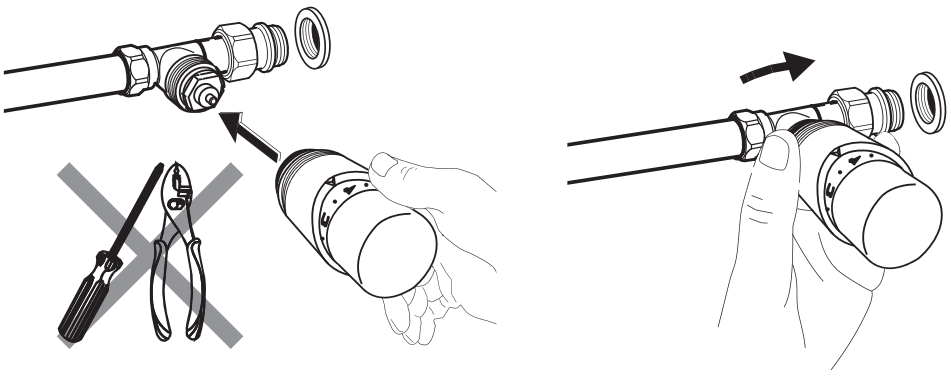
There are markings on the thermostatic head, which help to reach required temperature in the room.

Setting:	*	1	2	3	4	5	MAX
Effect:	ca. 6°C	ca. 12°C	ca. 16°C	ca. 20°C	ca. 24°C	ca. 28°C	maximal

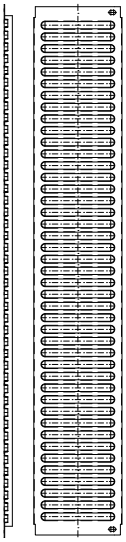
Annotation:

- On the setting number 3 the temperature in the room should reach 20°C. There migth be slight temperature fluctiuations, as it depends on many factors, including radiator capacity, walls and windows insulation, temperature of the heating medium or size of the room.

- On the setting number 3 the temperature in the room should reach 20°C. There migth be slight temperature fluctiuations, as it depends on many factors, including radiator capacity, walls and windows insulation, temperature of the heating medium or size of the room.



VENTILATION GRILL COVER FOR REEL RADIATOR



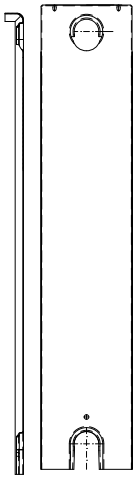
Use:
Ventilation grill for steel radiator.

Technical data:
Color: **White RAL 9016**

Materials tally
Cold-formed steel

	Type 11	Type 21 / 22	Type 33
400	5906489940897	5906489941047	5906489941245
500	5906489940903	5906489941054	5906489941252
600	5906489940910	5906489941061	5906489941269
700	5906489940927	5906489941078	5906489941276
800	5906489940934	5906489941085	5906489941283
900	5906489940941	5906489941092	5906489941290
1000	5906489940958	5906489941108	5906489941306
1100	5906489940965	5906489941115	5906489941313
1200	5906489940972	5906489941122	5906489941320
1300	5906489940989	5906489941139	5906489941337
1400	5906489940996	5906489941146	5906489941344
1500	5906489941009	5906489941153	5906489941351
1600	5906489941016	5906489941160	5906489941368
1800	5906489941023	5906489941177	5906489941375
2000	5906489941030	5906489941184	5906489941382
2200	---	5906489941191	5906489941399
2400	---	5906489941207	5906489941405
2600	---	5906489941214	5906489941412
2800	---	5906489941221	5906489941429
3000	---	5906489941238	5906489941436

SIDE COVER OF STEEL RADIATOR



Use:
Side cover of steel radiator.

Technical data:
Color: **White RAL 9016**

Materials tally:
Cold-formed steel

	Type 11	Type 21 / 22	Type 33
300	5906489941443	5906489941504	5906489941566
400	5906489941450	5906489941511	5906489941573
500	5906489941467	5906489941528	5906489941580
550	5906489941474	5906489941535	5906489941597
600	5906489941481	5906489941542	5906489941603
900	5906489941498	5906489941559	5906489941610

MANUAL AIR VENT 1/2”

Use:
It is used for radiator and heating installation bleeding.

Materials tally:
Steel, Material

EAN	Code
5907732030099	OR.7057

RADIATOR PLUG 1/2” WITH A PLASTIC CAP

Use:
It is used for plugging unused connectors in radiator.

Materials tally:
Steel, Material

EAN	Code
5907732030105	ZG.7054

RADIATOR PLUG 1/2” FLAT

Use:
It is used for plugging unused connectors in radiator.

Materials tally:
Steel, Material

EAN	Code
5907732030129	ZG.7051

RADIATOR PLUG WITH O-RING

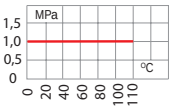
Use:
Installation in heating systems.

Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Materials tally:
Steel, Material

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732089011	ZGN.7055

SET: RADIATOR PLUG 1/2", RADIATOR VENT 1/2" WITH A BLEED KEY

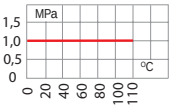
Use:
Installation in heating systems.

Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Materials tally:
Steel, Material

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732089004	KPLGRZE.101

NIPPLE 1" FOR ALUMINIUM RADIATOR

Use:
For connecting several sections of aluminium radiator.

Technical data:
Średnica: **1"**

Materials tally:
Steel

EAN	Code
5906489938832	ALUNYP

PLUG AND REDUCTION FOR ALUMINIUM RADIATIOR

Use:
Blanking plug is used for plugging unused aluminium radiator's connections. Reduction plug is for changing dimension of those connections.

Technical data:
Color: **White**

Materials tally:
Aluminium

EAN	Code	Size
5907732080032	KR 1/2X1 L	1" x 1/2" left
5907732080049	KR 1/2X1 P	1" x 1/2" right
5907732080056	KR 3/4X1 L	1" x 3/4" left
5907732080063	KR 3/4X1 P	1" x 3/4" right
5907732080070	KZ1L	left
5907732080087	KZ1P	right

THERMOSTATIC INSERT

Use:
Installation in radiators.

Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperatur**e: +100°C**

Reference document:
The Declaration of Perfocmance

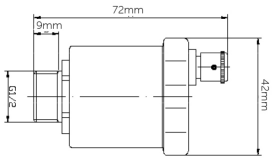
Materials tally:
Brass

EAN	Code
5906489935350	WT M30x1,5

AUTOMATIC AIR VENT 1/2" WITH BRASS CAP

Use:
It is used for radiator and heating installation bleeding.

Materials tally:
Brass



EAN	Code
5907732030006	OA.5009

INSTALLATION SET FOR STEEL RADIATORS

Use:
Mounting kit that allows the radiator to be properly hung.

Materials tally:
Steel, Material

EAN	Code
5906489941627	ZESTAWMONTGS300
5906489941634	ZESTAWMONTGS400
5906489941641	ZESTAWMONTGS500
5906489941658	ZESTAWMONTGS600
5906489941665	ZESTAWMONTGS900

INSTALLATION SET FOR STEEL RADIATORS C11

Use:
Mounting kit that allows the radiator to be properly hung.

Materials tally:
Steel, Material

EAN	Code
5906489941672	ZESTAWMONTGSC11

INSTALLATION SET FOR STEEL RADIATORS C22/C33

Use:
Mounting kit that allows the radiator to be properly hung.

Materials tally:
Steel, Material

EAN	Code
5906489941689	ZESTAWMONTGSC22

INSTALLATION SET FOR ALUMINIUM RADIATORS - 11 ELEMENTS

Use:
A set of accessories for the correct installation of an aluminum

Technical data:
Color: **White**

Materials tally
Aluminium, Steel, Material

Components:
- Left reduction plug 1"x1/2" – 2 pcs
- Right reduction plug 1"x1/2" – 2 pcs
- Radiator vent – 1 pcs
- Radiator venting key – 1 pcs
- Plug – 1 pcs
- Slings – 2 pcs
- Expansion plug – 2 pcs

EAN	Code
5906489935459	UNIZESTAWALU.11

INSTALLATION SET FOR ALUMINIUM RADIATORS - 7 ELEMENTS

Use:
A set of accessories for the correct installation of an aluminum

Technical data:
Color: **White**

Materials tally:
Aluminium, Steel, Material

Components:
- Left reduction plug 1"x1/2" – 2 pcs
- Right reduction plug 1"x1/2" – 2 pcs
- Radiator vent – 1 pcs
- Radiator venting key – 1 pcs
- Plug – 1 pcs

EAN	Code
5906489935442	UNIZESTAWALU.7

HANGER FOR ALUMINIUM RADIATOR SMW 500

N!

Use:
A set of accessories for the correct installation of an aluminum

Technical data:
Color: **White**

Materials tally:
Steel, Material

EAN	Code
5907732089059	ALUSMW500.7044

HANGER FOR ALUMINIUM RADIATOR, ANGLED, FOR SCREWING DOWN

N!

Use:
A set of accessories for the correct installation of an aluminum

Technical data:
Color: **White**

Materials tally:
Steel, Material

EAN	Code
5907732089066	ALUWKR.7044

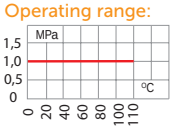
AIR VENT FOR THE RADIATOR WITH A CONTAINER

N!

Use:
Venting device for radiators with a tank with a capacity of 90ml

Materials tally:
Plastic

Operating range:



EAN	Code
5907732089042	ORP.7054

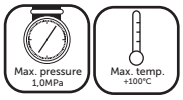
COMPRESSION FITTING SET 3/4" FOR COPPER PIPE

Use:
Installation in heating systems.

Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+100°C**

Compliant with:
PN-EN 1254, PN-M-75002

Reference document:
The Declaration of Perfocmance



Materials tally:
Brass

Annotation:
It is recommended to seal the connections with PTFE tape.

EAN	Code
5907732030372	OPTAZCU020X015.2021

COMPRESSION FITTING SET 3/4" FOR PEX PIPE WHITE

x2

Use:
Installation in heating systems.

Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

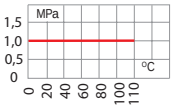
Compliant with:
PN-EN 1254

Reference document:
The Declaration of Perfocmance

Materials tally:
Brass

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732088786	OPTAZPEX020X016B

COMPRESSION FITTING SET 3/4" FOR PEX PIPE CHROME

x2

Use:
Installation in heating systems.

Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+100°C**

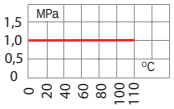
Compliant with:
PN-EN 1254

Reference document:
The Declaration of Perfocmance

Materials tally:
Brass

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732030389	OPTAZPEX020X016.2031

COMPRESSION FITTING SET 3/4" FOR PEX PIPE ANTHRACITE

x2

Use:
Installation in heating systems.

Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

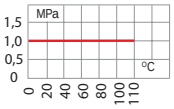
Compliant with:
PN-EN 1254

Reference document:
The Declaration of Perfocmance

Materials tally:
Brass

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732088779	OPTAZPEX020X016A

COMPRESSION FITTING SET 3/4" FOR PEX PIPE BLACK

x2

Use:
Installation in heating systems.

Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

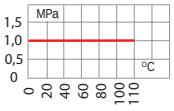
Compliant with:
PN-EN 1254

Reference document:
The Declaration of Perfocmance

Materials tally:
Brass

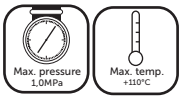
Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732088793	OPTAZPEX020X016CZ

LOCKSHIELD ANGLE VALVE FOR RADIATOR - CHROME



Use:
Installation in heating systems.

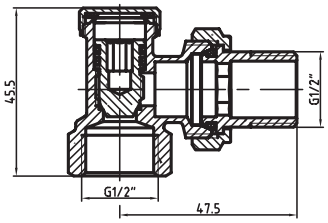
Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

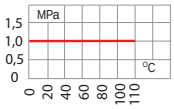
Reference document:
The Declaration of Perfocmance

Materials tally:
Brass

Annotation:
It is recommended to seal the connections with PTFE tape.

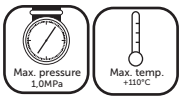


Operating range:



EAN	Code
5907732030211	OPTAZGKC.414

THERMOSTATIC STRAIGHT VALVE FOR RADIATOR - CHROME



Use:
Installation in heating systems.

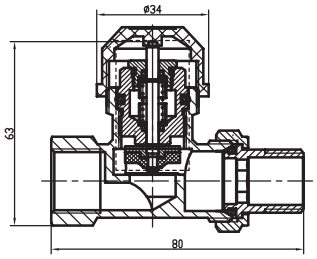
Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

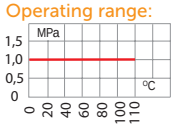
Reference document:
The Declaration of Perfocmance

Materials tally:
Brass

Annotation:
It is recommended to seal the connections with PTFE tape.

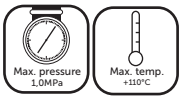


Operating range:



EAN	Code
5907732030242	OPTAZTPC.407

THERMOSTATIC ANGLE VALVE FOR RADIATOR



Use:
Installation in heating systems.

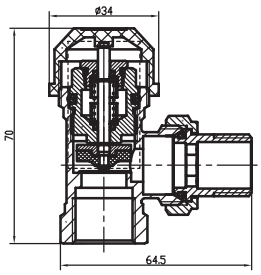
Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

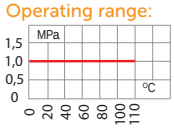
Reference document:
The Declaration of Perfocmance

Materials tally:
Brass

Annotation:
It is recommended to seal the connections with PTFE tape.

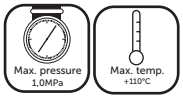


Operating range:



EAN	Code
5907732030235	OPTAZTKN.406

THERMOSTATIC STRAIGHT VALVE FOR RADIATOR



Use:
Installation in heating systems.

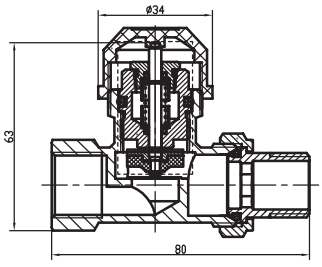
Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

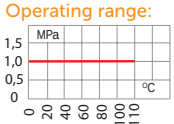
Reference document:
The Declaration of Perfocmance

Materials tally:
Brass

Annotation:
It is recommended to seal the connections with PTFE tape.



Operating range:



EAN	Code
5907732030228	OPTAZTPN.407

LOCKSHIELD ANGLE VALVE FOR RADIATOR

Max. pressure 1,0MPa

Max. temp. +110°C

Use:
Installation in heating systems.

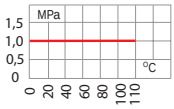
Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

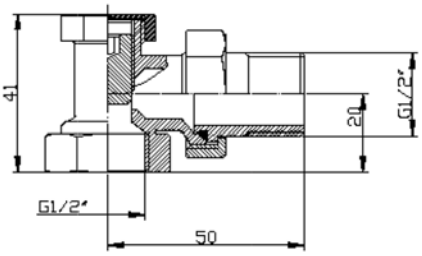
Reference document:
The Declaration of Perfocmance

Materials tally:
Brass

Operating range:



Annotation:
It is recommended to seal the connections with PTFE tape.



EAN	Code
5907732030051	ZPK.1005

LOCKSHIELD STRAIGHT VALVE FOR RADIATOR

Max. pressure 1,0MPa

Max. temp. +110°C

Use:
Installation in heating systems.

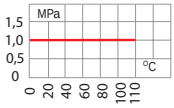
Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

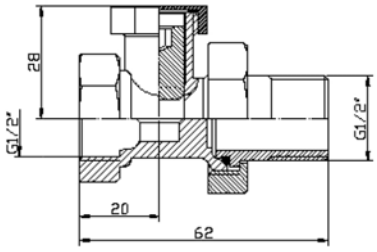
Reference document:
The Declaration of Perfocmance

Materials tally:
Brass

Operating range:



Annotation:
It is recommended to seal the connections with PTFE tape.



EAN	Code
5907732030068	ZPP.1006

REGULATING ANGLE VALVE FOR RADIATOR

Max. pressure 1,0MPa

Max. temp. +110°C

Use:
Installation in heating systems.

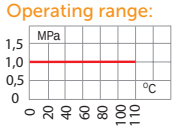
Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

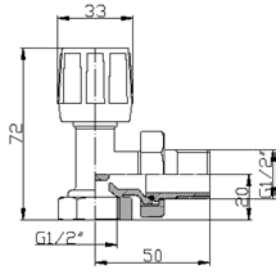
Reference document:
The Declaration of Perfocmance

Materials tally:
Brass, Plastic

Operating range:



Annotation:
It is recommended to seal the connections with PTFE tape.



EAN	Code
5907732030082	ZGK.1007

REGULATING STRAIGHT VALVE FOR RADIATOR

Max. pressure 1,0MPa

Max. temp. +110°C

Use:
Installation in heating systems.

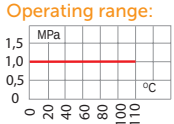
Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

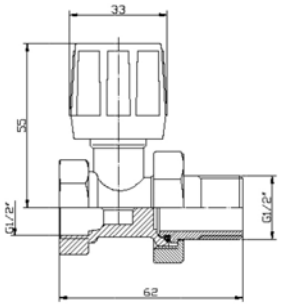
Reference document:
The Declaration of Perfocmance

Materials tally:
Brass, Plastic

Operating range:



Annotation:
It is recommended to seal the connections with PTFE tape.



EAN	Code
5907732030075	ZGP.1008

THERMOSTATIC HEAD WHITE 408

Use:
Installation in heating systems.

Technical data:
Thermostatic head with **M30x1,5"** connector
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

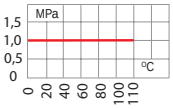
Compliant with:
PN-EN 215

Reference document:
The Declaration of Perfocmance

Materials tally:
Brass, Plastic

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732030167	OPTAGTB.408

THERMOSTATIC HEAD WHITE-CHROME 408

Use:
Installation in heating systems.

Technical data:
Thermostatic head with **M30x1,5"** connector
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

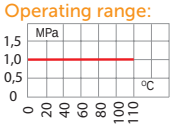
Compliant with:
PN-EN 215

Reference document:
The Declaration of Perfocmance

Materials tally:
Brass, Plastic

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732030174	OPTAGTBC.408

THERMOSTATIC HEAD CHROME 408

Use:
Installation in heating systems.

Technical data:
Thermostatic head with **M30x1,5"** connector
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

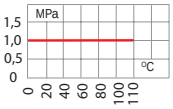
Compliant with:
PN-EN 215

Reference document:
The Declaration of Perfocmance

Materials tally:
Brass, Plastic

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732030181	OPTAGTC.408

THERMOSTATIC HEAD WHITE INV 410

Use:
Installation in heating systems.

Technical data:
Thermostatic head with **M30x1,5"** connector
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

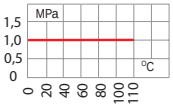
Compliant with:
PN-EN 215

Reference document:
The Declaration of Perfocmance

Materials tally:
Brass, Plastic

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732030198	OPTAGTB.410

THERMOSTATIC SET WITH STRAIGHT VALVES

Use:
Installation in heating systems.

Technical data:
Thermostatic head with **M30x1,5"** connector
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

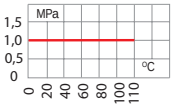
Reference document:
The Declaration of Perfocmance

Components of the kit:
- Thermostatic head
- Straight thermostatic valve
- Straight stop valve

Materials tally:
Brass, Plastic

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732030020	ZTP.1006

THERMOSTATIC SET WITH ANGLE VALVES

Use:
Installation in heating systems.

Technical data:
Thermostatic head with **M30x1,5"** connector
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

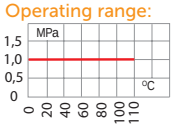
Reference document:
The Declaration of Perfocmance

Components of the kit:
- Thermostatic head
- Angle thermostatic valve
- Angle stop valve

Materials tally:
Brass, Plastic, EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732030037	ZTK.1005

THERMOSTATIC SET WITH ANGLE VALVES - WHITE

Use:
Installation in heating systems.

Technical data:
Thermostatic head with **M30x1,5"** connector
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

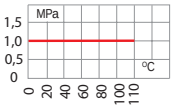
Reference document:
The Declaration of Perfocmance

Components of the kit:
- Thermostatic head
- Angle thermostatic valve
- Angle stop valve

Materials tally:
Brass, Plastic, EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732030327	OPTZZTKB.408

THERMOSTATIC SET WITH STRAIGHT VALVES - WHITE

Use:
Installation in heating systems.

Technical data:
Thermostatic head with **M30x1,5"** connector
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

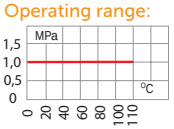
Reference document:
The Declaration of Perfocmance

Components of the kit:
- Thermostatic head
- Straight thermostatic valve
- Straight stop valve

Materials tally:
Brass, Plastic, EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732030334	OPTZZTPB.408

THERMOSTATIC SET WITH ANGLE VALVES - ANTRHACITE

Use:
Installation in heating systems.

Technical data:
Thermostatic head with **M30x1,5"** connector
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

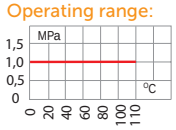
Reference document:
The Declaration of Perfocmance

Components of the kit:
- Thermostatic head
- Angle thermostatic valve
- Angle stop valve

Materials tally:
Brass, Plastic, EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732088885	OPTZZTKAT.411

THERMOSTATIC SET WITH STRAIGHT VALVES - ANTRHACITE

Use:
Installation in heating systems.

Technical data:
Thermostatic head with **M30x1,5"** connector
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

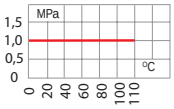
Reference document:
The Declaration of Perfocmance

Components of the kit:
- Thermostatic head
- Straight thermostatic valve
- Straight stop valve

Materials tally:
Brass, Plastic, EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732088892	OPTZZTPAT.411

THERMOSTATIC SET WITH ANGLE VALVES - ZIG-ZAG

Use:
Installation in heating systems.

Technical data:
Thermostatic head with **M30x1,5"** connector
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

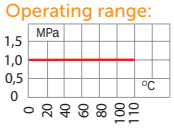
Reference document:
The Declaration of Perfocmance

Components of the kit:
- Thermostatic head
- Angle thermostatic valve
- Angle stop valve

Materials tally:
Brass, Plastic, EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732030662	OPTZTKZIG.411

THERMOSTATIC SET WITH ANGLE VALVES - CHROME

Use:
Installation in heating systems.

Technical data:
Thermostatic head with **M30x1,5"** connector
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

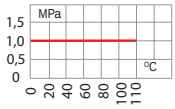
Reference document:
The Declaration of Perfocmance

Components of the kit:
- Thermostatic head
- Angle thermostatic valve
- Angle stop valve

Materials tally:
Brass, Plastic, EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732030310	OPTZZTKC.408

THERMOSTATIC SET WITH STRAIGHT VALVES - CHROME

Use:
Installation in heating systems.

Technical data:
Thermostatic head with **M30x1,5"** connector
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

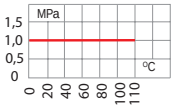
Reference document:
The Declaration of Perfocmance

Components of the kit:
- Thermostatic head
- Straight thermostatic valve
- Straight stop valve

Materials tally:
Brass, Plastic,
EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732030303	OPTZZTPC.408

THERMOSTATIC SET WITH ANGLE VAVLES - CONSUL

Use:
Installation in heating systems.

Technical data:
Thermostatic head with **M30x1,5"** connector
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215, PN-M-75003

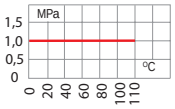
Reference document:
The Declaration of Perfocmance

Components of the kit:
- Thermostatic head
- Angle thermostatic valve
- Angle stop valve

Materials tally:
Brass, Plastic

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732030655	KNLZTK.1005

THERMOSTATIC SET WITH STRAIGHT VAVLES - CONSUL

Use:
Installation in heating systems.

Technical data:
Thermostatic head with **M30x1,5"** connector
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215, PN-M-75003

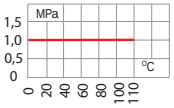
Reference document:
The Declaration of Perfocmance

Components of the kit:
- Thermostatic head
- Straight thermostatic valve
- Straight stop valve

Materials tally:
Brass, Plastic

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732030648	KNLZTP.1006

ANGLED CONNECTION SET FOR V-TYPE RADIATOR

Use:
Installation in heating systems.

Technical data:
Thermostatic head with **M30x1,5"** connector
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

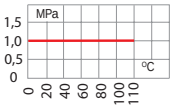
Reference document:
The Declaration of Perfocmance

Components of the kit:
- Thermostatic head
- Angled connections

Materials tally:
Brass, Plastic, EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732030402	OPTZZVKBC.408

STRAIGHT CONNECTION SET FOR V-TYPE RADIATOR

Max. pressure 1,0MPa

Max. temp. +110°C

Use:
Installation in heating systems.

Technical data:
Thermostatic head **with M30x1,5" connector**
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

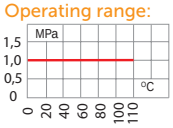
Reference document:
The Declaration of Perfocmance

Components of the kit:
- Thermostatic head
- Straight connections

Materials tally:
Brass, Plastic, EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732030396	OPTZZVPBC.408

ANGLE CONNECTION VALVE FOR V-TYPE RADIATORS

Max. pressure 1,0MPa

Max. temp. +110°C

Use:
Installation in heating systems.

Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

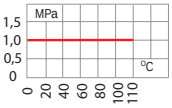
Compliant with:
PN-M-75003

Reference document:
The Declaration of Perfocmance

Materials tally:
Brass, EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732030358	OPTAZVK.432

STRAIGHT CONNECTION VALVE FOR V-TYPE RADIATORS

Max. pressure 1,0MPa

Max. temp. +110°C

Use:
Installation in heating systems.

Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

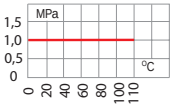
Compliant with:
PN-M-75003

Reference document:
The Declaration of Perfocmance

Materials tally:
Brass, EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732030341	OPTAZVP.431

STRAIGHT CONNECTION SET FOR V-TYPE RADIATOR IN WHITE WITH PEX AND CU FITTINGS

Use:
Installation in heating systems.

Technical data:
Thermostatic head with **M30x1,5"** connector
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

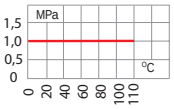
Reference document:
The Declaration of Perfocmance

Components of the kit:
- Thermostatic head
- Straight connections
- Couplings Pex
- Couplings Cu

Materials tally:
Brass, Plastic, EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732030419	OPTZZVPBCUPEX.408

ANGLED CONNECTION SET FOR V-TYPE RADIATOR IN WHITE WITH PEX AND CU FITTINGS

Use:
Installation in heating systems.

Technical data:
Thermostatic head with **M30x1,5"** connector
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

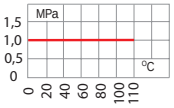
Reference document:
The Declaration of Perfocmance

Components of the kit:
- Thermostatic head
- Straight connections
- Couplings Pex
- Couplings Cu

Materials tally:
Brass, Plastic, EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732030426	OPTZZVKBCUPEX.408

THERMOSTATIC HEAD WHITE 409

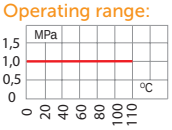
Use:
Installation in heating systems.

Technical data:
Thermostatic head with **M30x1,5"** connector
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

Reference document:
The Declaration of Perfocmance

Operating range:



Components of the kit:
- Thermostatic head

Materials tally:
Brass, Plastic

Annotation:
It is recommended to seal the connections with PTFE tape.

EAN	Code
5907732088687	OPTAGTB.409

THERMOSTATIC HEAD CHROME 409

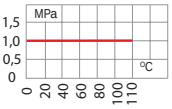
Use:
Installation in heating systems.

Technical data:
Thermostatic head with **M30x1,5"** connector
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

Reference document:
The Declaration of Perfocmance

Operating range:



Components of the kit:
- Thermostatic head

Materials tally:
Brass, Plastic

Annotation:
It is recommended to seal the connections with PTFE tape.

EAN	Code
5907732088663	OPTAGTCH.409

THERMOSTATIC HEAD ANTHRACITE 409

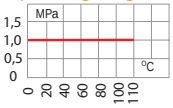
Use:
Installation in heating systems.

Technical data:
Thermostatic head with **M30x1,5"** connector
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

Reference document:
The Declaration of Perfocmance

Operating range:



Components of the kit:
- Thermostatic head

Materials tally:
Brass, Plastic

Annotation:
It is recommended to seal the connections with PTFE tape.

EAN	Code
5907732088656	OPTAGTA.409

THERMOSTATIC HEAD BLACK 409

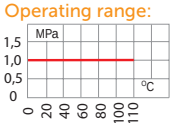
Use:
Installation in heating systems.

Technical data:
Thermostatic head with **M30x1,5"** connector
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

Reference document:
The Declaration of Perfocmance

Operating range:



Components of the kit:
- Thermostatic head

Materials tally:
Brass, Plastic

Annotation:
It is recommended to seal the connections with PTFE tape.

EAN	Code
5907732088670	OPTAGTCZ.409

ANGLED VALVE SET IN WHITE: LOCKSHIELD VALVE AND REGULATING VALVE

Use:
Installation in heating systems.

Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

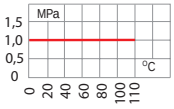
Reference document:
The Declaration of Perfocmance

Components of the kit:
- Angular regulating valve
- Angle stop valve

Materials tally:
Brass, EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732088755	OPTZZKB.419

ANGLED VALVE SET IN CHROME: LOCKSHIELD VALVE AND REGULATING VALVE

Use:
Installation in heating systems.

Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

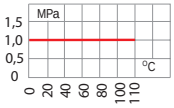
Reference document:
The Declaration of Perfocmance

Components of the kit:
- Angular regulating valve
- Angle stop valve

Materials tally:
Brass, EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732088717	OPTZZKCH.419

ANGLED VALVE SET IN ANTHRACITE: LOCKSHIELD VALVE AND REGULATING VALVE

Use:
Installation in heating systems.

Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

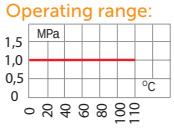
Reference document:
The Declaration of Perfocmance

Components of the kit:
- Angular regulating valve
- Angle stop valve

Materials tally:
Brass, EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732088700	OPTZZKA.419

ANGLED VALVE SET IN BLACK: LOCKSHIELD VALVE AND REGULATING VALVE

Use:
Installation in heating systems.

Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

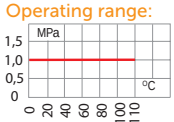
Reference document:
The Declaration of Perfocmance

Components of the kit:
- Angular regulating valve
- Angle stop valve

Materials tally:
Brass, EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732088748	OPTZZKCZ.419

STRAIGHT VALVE SET IN WHITE: LOCKSHIELD VALVE AND REGULATING VALVE

Use:
Installation in heating systems.

Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

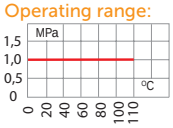
Reference document:
The Declaration of Perfocmance

Components of the kit:
- Straight regulating valve
- Straight stop valve

Materials tally:
Brass, EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732088762	OPTZZPB.419

STRAIGHT VALVE SET IN CHROME: LOCKSHIELD VALVE AND REGULATING VALVE

Use:
Installation in heating systems.

Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

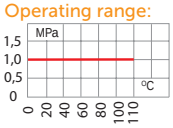
Reference document:
The Declaration of Perfocmance

Components of the kit:
- Straight regulating valve
- Straight stop valve

Materials tally:
Brass, EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732088724	OPTZZPCH.419

STRAIGHT VALVE SET IN ANTHRACITE: LOCKSHIELD VALVE AND REGULATING VALVE

Use:
Installation in heating systems.

Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

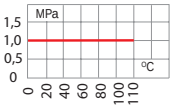
Reference document:
The Declaration of Perfocmance

Components of the kit:
- Straight regulating valve
- Straight stop valve

Materials tally:
Brass, EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732088694	OPTZZPA.419

STRAIGHT VALVE SET IN BLACK: LOCKSHIELD VALVE AND REGULATING VALVE

Use:
Installation in heating systems.

Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

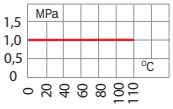
Reference document:
The Declaration of Perfocmance

Components of the kit:
- Straight regulating valve
- Straight stop valve

Materials tally:
Brass, EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732088731	OPTZZPCZ.419

THERMOSTATIC SET WITH STRAIGHT VALVES - CHROME 409

Use:
Installation in heating systems.

Technical data:
Thermostatic head with **M30x1,5"** connector
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

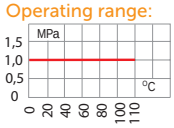
Reference document:
The Declaration of Perfocmance

Components of the kit:
- Thermostatic head
- Straight regulating valve
- Straight stop valve

Materials tally:
Brass, Plastic, EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732088915	OPTZZTPCH.409

THERMOSTATIC SET WITH STRAIGHT VALVES - BLACK 409

Use:
Installation in heating systems.

Technical data:
Thermostatic head with **M30x1,5"** connector
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

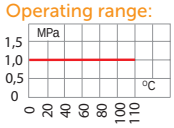
Reference document:
The Declaration of Perfocmance

Components of the kit:
- Thermostatic head
- Straight regulating valve
- Straight stop valve

Materials tally:
Brass, Plastic, EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732088939	OPTZZTPCZ.409

THERMOSTATIC SET WITH ANGLE VALVES - CHROME 409

Use:
Installation in heating systems.

Technical data:
Thermostatic head with **M30x1,5"** connector
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

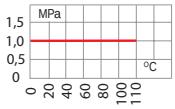
Reference document:
The Declaration of Perfocmance

Components of the kit:
- Thermostatic head
- Angular regulating valve
- Angle stop valve

Materials tally:
Brass, Plastic, EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732088908	OPTZZTKCH.409

THERMOSTATIC SET WITH ANGLE VALVES - BLACK 409

Use:
Installation in heating systems.

Technical data:
Thermostatic head with **M30x1,5"** connector
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

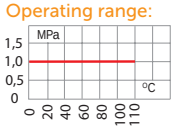
Reference document:
The Declaration of Perfocmance

Components of the kit:
- Thermostatic head
- Angular regulating valve
- Angle stop valve

Materials tally:
Brass, Plastic, EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732088922	OPTZZTKCZ.409

THERMOSTATIC SET WITH INTEGRATED ANGLE VALVE IN WHITE 409

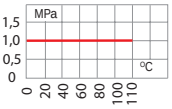
Use:
Installation in heating systems.

Technical data:
Thermostatic head with **M30x1,5"** connector
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

Reference document:
The Declaration of Perfocmance

Operating range:



Components of the kit:
- Thermostatic head
- Integrated angle valve
- Pipe fittings
- Radiator nipples

Materials tally:
Brass, Plastic, EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

EAN	Code
5907732088830	OPTAZDUOB.444

INTEGRATED ANGLE THERMOSTATIC SET CHROME TYPE 409

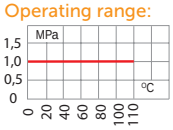
Use:
Installation in heating systems.

Technical data:
Thermostatic head with **M30x1,5"** connector
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

Reference document:
The Declaration of Perfocmance

Operating range:



Components of the kit:
- Thermostatic head
- Integrated angle valve
- Pipe fittings
- Radiator nipples

Materials tally:
Brass, Plastic, EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

EAN	Code
5907732088816	OPTAZDUOCH.444

THERMOSTATIC SET WITH INTEGRATED ANGLE VALVE IN ANTHRACITE 409

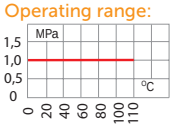
Use:
Installation in heating systems.

Technical data:
Thermostatic head with **M30x1,5"** connector
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

Reference document:
The Declaration of Perfocmance

Operating range:



Components of the kit:
- Thermostatic head
- Integrated angle valve
- Pipe fittings
- Radiator nipples

Materials tally:
Brass, Plastic, EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

EAN	Code
5907732088809	OPTAZDUOA.444

THERMOSTATIC SET WITH INTEGRATED ANGLE VALVE IN BLACK 409

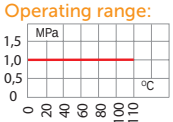
Use:
Installation in heating systems.

Technical data:
Thermostatic head with **M30x1,5"** connector
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

Reference document:
The Declaration of Perfocmance

Operating range:



Components of the kit:
- Thermostatic head
- Integrated angle valve
- Pipe fittings
- Radiator nipples

Materials tally:
Brass, Plastic, EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

EAN	Code
5907732088823	OPTAZDUOCZ.444

THERMOSTATIC SET WITH AXIAL VALVES IN WHITE 409

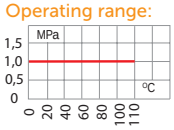
Use:
Installation in heating systems.

Technical data:
Thermostatic head with **M30x1,5"** connector
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

Reference document:
The Declaration of Perfocmance

Operating range:



Components of the kit:
- Thermostatic head
- Axial thermostatic valve
- Axial shut-off valve
- Pipe fittings

Materials tally:
Brass, Plastic,
EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

EAN	Code
5907732088878	OPTAZOSB.443

THERMOSTATIC SET WITH AXIAL VALVES IN CHROME 409

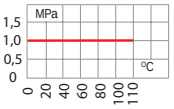
Use:
Installation in heating systems.

Technical data:
Thermostatic head with **M30x1,5"** connector
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

Reference document:
The Declaration of Perfocmance

Operating range:



Components of the kit:
- Thermostatic head
- Axial thermostatic valve
- Axial shut-off valve
- Pipe fittings

Materials tally:
Brass, Plastic,
EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

EAN	Code
5907732088854	OPTAZOSCH.443

THERMOSTATIC SET WITH AXIAL VALVES IN ANTHARCITE 409

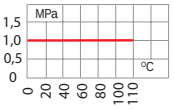
Use:
Installation in heating systems.

Technical data:
Thermostatic head with **M30x1,5"** connector
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

Reference document:
The Declaration of Perfocmance

Operating range:



Components of the kit:
- Thermostatic head
- Axial thermostatic valve
- Axial shut-off valve
- Pipe fittings

Materials tally:
Brass, Plastic,
EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

EAN	Code
5907732088847	OPTAZOSA.443

THERMOSTATIC SET WITH AXIAL VALVES IN BLACK 409

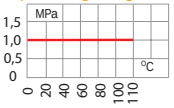
Use:
Installation in heating systems.

Technical data:
Thermostatic head with **M30x1,5"** connector
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

Compliant with:
PN-EN 215

Reference document:
The Declaration of Perfocmance

Operating range:



Components of the kit:
- Thermostatic head
- Axial thermostatic valve
- Axial shut-off valve
- Pipe fittings

Materials tally:
Brass, Plastic,
EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

EAN	Code
5907732088861	OPTAZOSCZ.443

BRASS TEE 1/2" FOR ELECTRIC HEATING ELEMENT WHITE

Use:
Installation in heating systems.

Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+120°C**

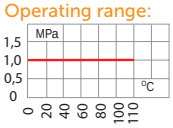
Compliant with:
PN-EN 1254-4

Reference document:
The Declaration of Perfocmance

Materials tally:
Brass

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732088960	AIMTGB.01

BRASS TEE 1/2" FOR ELECTRIC HEATING ELEMENT CHROME

Use:
Installation in heating systems.

Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+120°C**

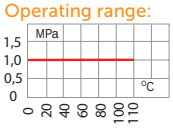
Compliant with:
PN-EN 1254-4

Reference document:
The Declaration of Perfocmance

Materials tally:
Brass

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732088977	AIMTGCH.01

BRASS TEE 1/2" FOR ELECTRIC HEATING ELEMENT ANTHRACITE

Use:
Installation in heating systems.

Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+120°C**

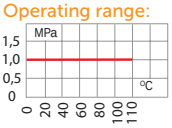
Compliant with:
PN-EN 1254-4

Reference document:
The Declaration of Perfocmance

Materials tally:
Brass

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732088953	AIMTGA.01

BRASS TEE 1/2" FOR ELECTRIC HEATING ELEMENT BLACK

Use:
Installation in heating systems.

Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+120°C**

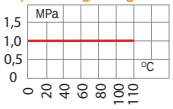
Compliant with:
PN-EN 1254-4

Reference document:
The Declaration of Perfocmance

Materials tally:
Brass

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732088984	AIMTGCZ.01

BRASS EXTENSION 1/2" FOR ELECRTRIC HEATING ELEMENT WHITE

Use:
Installation in heating systems.

Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+120°C**

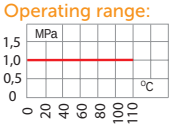
Compliant with:
PN-EN 1254-4

Reference document:
The Declaration of Perfocmance

Materials tally:
Brass

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code	DN
5901171262004	AIMP015-40MM.2097Bx2	40
5901171262028	AIMP015-50MM.2097BX2	50
5901171262028	AIMP015-60MM.2097BX2	60

BRASS EXTENSION 1/2" FOR ELECRTRIC HEATING ELEMENT GRAPHITE

Use:
Installation in heating systems.

Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+120°C**

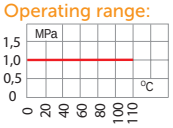
Compliant with:
PN-EN 1254-4

Reference document:
The Declaration of Perfocmance

Materials tally:
Brass

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code	DN
5901171262011	AIMP015-40MM.2097GX2	40
5901171262035	AIMP015-50MM.2097GX2	50
5901171262059	AIMP015-60MM.2097GX2	60

ANGLE CONNECTION VALVE FOR V-TYPE RADIATOR IN ANTHRACITE

Use:
Installation in heating systems.

Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

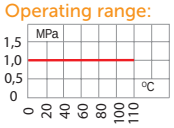
Compliant with:
PN-EN 215

Reference document:
The Declaration of Perfocmance

Materials tally:
Brass, EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732088632	OPTAZVK.432AT

STRAIGHT CONNECTION VALVE FOR V-TYPE RADIATOR IN ANTHRACITE

Use:
Installation in heating systems.

Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+110°C**

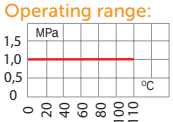
Compliant with:
PN-EN 215

Reference document:
The Declaration of Perfocmance

Materials tally:
Brass, EPDM

Annotation:
It is recommended to seal the connections with PTFE tape.

Operating range:



EAN	Code
5907732088649	OPTAZVP.431AT

INSTALLATION VALVES

INSTALLATION VALVES - WATER
INSTALLATION VALVES - GAS
WATER INSTALLATIONS ACCESSORIES

INSTALLATION SYSTEMS FOR GAS, DOMESTIC WATER AND HEATING

IDMAR Group installation fittings is a wide range of valves and accessories which meet high requriments of modern and dynamically developing market. They are intended for:

- water installations,
- heating installations,
- gas installations,
- compressed air installations,
- glycol installations,
- solar installations,

This products distinguish themselves by price-value relationship. They are failure-free, what is supported by certificates from reputable institutions (INiG, ITB, PZH and others).
IDMAR Group installation fittings are made for clients looking for modern solutions and reliability, combined with traditional simplicity and easy mountage.

ASSEMBLY INSTRUCTIONS (SHORTENED)

Before installing:
- Check that the connections are clean and threads are correct;
- Theraded connections should be sealed so as to provide terminal tightness;
- Put the sealer on male threads;
- Install vavles in open position.

VALVE MOUNTING

1. Put the sealer on clean thread

2. Screw the vavle on the pipe: hold the pipe with pipe wrench and tighten the valve with fork spanner or adjustable wrench, holding on threaded end which is screwed on the pipe. Do not tighten the valve holding on the opposite end, this can cause damage of valve's body.

3. The valve should be screwed onto the pipe so that the handle does not jam with other nearby elements

4.Put the sealer on clean pipe thread, then, while holding the valve by threaded end, screw the pipe into the valve,

RECCO BRASS BALL VALVE FOR WATER F/F, PTFE BALL, POLISHED CHROME

ANTI-LIMESCALE BALL | CR CHROME

Max. pressure 4 MPa | Max. temp. -20°C +180°C

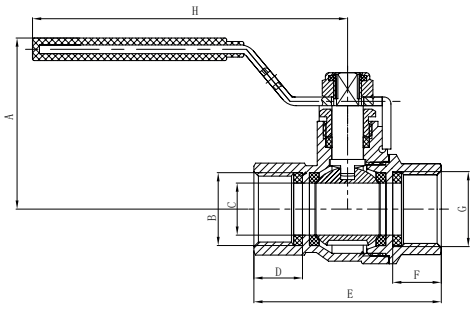
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations.

Technical data:
Max. working pressure: **4 MPa**
Working temperature: **-20°C +180°C**
Mounting position: **Universal**

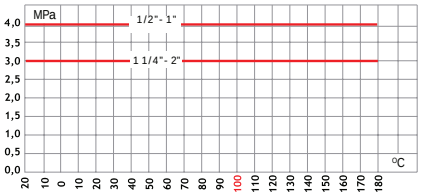
Compliant with:
National Technical Assessment

Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Ball, Spindle, Screw: Brass
Ball sealing: PTFE
Spindle sealing: PTFE
Handle: Steel



Operating range:



DN	A	B	C	D	E	F	G	H
15	49	1/2"	15	14	54	14	1/2"	91
20	52	3/4"	20	14	61	14	3/4"	91
25	61	1"	25	17	70	17	1"	116
32	67	1 1/4"	32	17	83	17	1 1/4"	116
40	82	1 1/2"	40	20	96	20	1 1/2"	147
50	90	2"	50	24	117	24	2"	147

EAN	Code	DN
5907732084870	RW015201.8021R1	15
5907732084887	RW020201.8021R1	20
5907732084894	RW025201.8021R1	25
5907732084900	RW032201.8021R1	32
5907732084917	RW040201.8021R1	40
5907732084924	RW050201.8021R1	50

RECCO BRASS BALL VALVE FOR WATER F/F, PTFE BALL, CHROME

CR CHROME

Max. pressure 3 MPa | Max. temp. -20°C +180°C

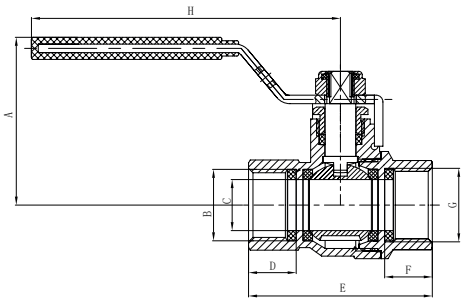
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations.

Technical data:
Max. working pressure: **3 MPa**
Working temperature: **-20°C +180°C**
Mounting position: **Universal**

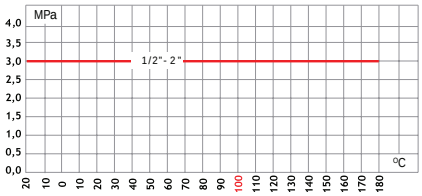
Compliant with:
National Technical Assessment

Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Ball, Spindle, Screw: Brass
Ball sealing: PTFE
Spindle sealing: PTFE
Handle: Steel



Operating range:



DN	A	B	C	D	E	F	G	H
15	49	1/2"	15	14	54	14	1/2"	91
20	52	3/4"	20	14	61	14	3/4"	91
25	61	1"	25	17	70	17	1"	116
32	67	1 1/4"	32	17	83	17	1 1/4"	116
40	82	1 1/2"	40	20	96	20	1 1/2"	147
50	90	2"	50	24	117	24	2"	147

EAN	Code	DN
5907732085273	RW015301.8021R2	15
5907732085280	RW020301.8021R2	20
5907732085297	RW025301.8021R2	25
5907732085303	RW032301.8021R2	32
5907732085310	RW040301.8021R2	40
5907732085327	RW050301.8021R2	50

RECCO BRASS BALL VALVE FOR WATER M/F, PTFE BALL, POLISHED CHROME

ANTI-LIMESCALE BALL | CR CHROME

Max. pressure 4 MPa | Max. temp. -20°C +180°C

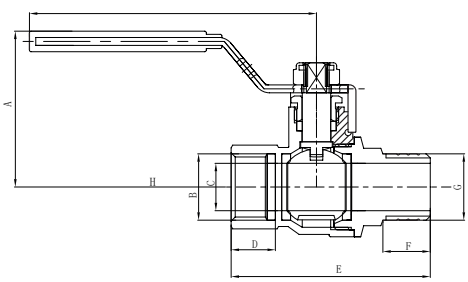
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations.

Technical data:
Max. working pressure: **4 MPa**
Working temperature: **-20°C +180°C**
Mounting position: **Universal**

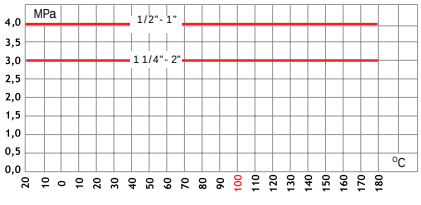
Compliant with:
National Technical Assessment

Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Ball, Spindle, Screw: Brass
Ball sealing: PTFE
Spindle sealing: PTFE
Handle: Steel



Operating range:



DN	A	B	C	D	E	F	G	H
15	49	1/2"	15	14	63	14	1/2"	91
20	52	3/4"	20	14	68	14	3/4"	91
25	61	1"	25	17	80	17	1"	116
32	65	1 1/4"	32	17	95	19	1 1/4"	116
40	82	1 1/2"	40	20	109	21	1 1/2"	147
50	90	2"	50	24	132	25	2"	147

EAN	Code	DN
5907732084931	RW015212.8022R1	15
5907732084948	RW020212.8022R1	20
5907732084955	RW025212.8022R1	25
5907732084962	RW032212.8022R1	32
5907732084979	RW040212.8022R1	40
5907732084986	RW050212.8022R1	50

RECCO BRASS BALL VALVE FOR WATER M/F, PTFE BALL, CHROME

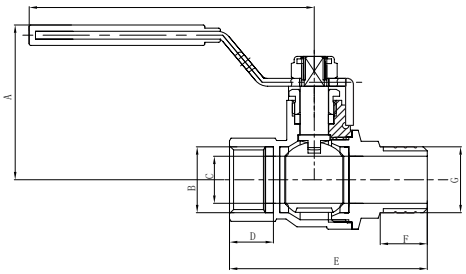
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations.

Technical data:
Max. working pressure: **3 MPa**
Working temperature: **-20°C +180°C**
Mounting position: **Universal**

Compliant with:
National Technical Assessment

Reference document:
The Declaration of Perfocmance

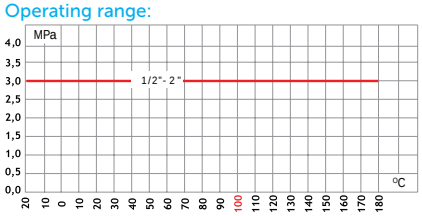
Materials tally:
Body, Ball, Spindle, Screw: Brass
Ball sealing: PTFE
Spindle sealing: PTFE
Handle: Steel



Max. pressure 3 MPa

Max. temp. -20°C +180°C

Operating range:



DN	A	B	C	D	E	F	G	H
15	49	1/2"	15	14	63	14	1/2"	91
20	52	3/4"	20	14	68	14	3/4"	91
25	61	1"	25	17	80	17	1"	116
32	65	1 1/4"	32	17	95	19	1 1/4"	116
40	82	1 1/2"	40	20	109	21	1 1/2"	147
50	90	2"	50	24	132	25	2"	147

EAN	Code	DN
5907732085334	RW015312.8022R2	15
5907732085341	RW020312.8022R2	20
5907732085358	RW025312.8022R2	25
5907732085365	RW032312.8022R2	32
5907732085372	RW040312.8022R2	40
5907732085389	RW050312.8022R2	50

BRASS BALL VALVE FOR WATER F/F

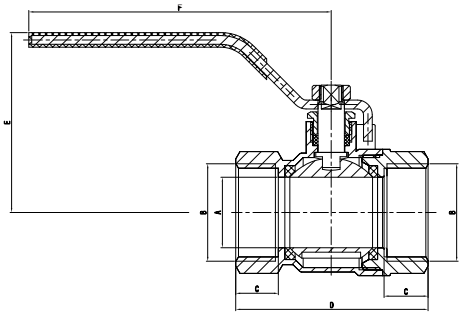
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations.

Technical data:
Max. working pressure: **3 MPa**
Working temperature: **-20°C +180°C**
Mounting position: **Universal**

Compliant with:
National Technical Assessment

Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Ball, Spindle, Screw: Brass
Ball sealing: PTFE
Spindle sealing: PTFE
Handle: Steel

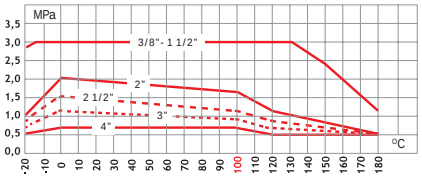


Max. pressure 3 MPa

Max. temp. -20°C +180°C

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005

Operating range:



DN	A	B	C	D	E	F
10	Ø 10	G 3/8"	10	42	47	85
15	Ø 14	G 1/2"	11	48	51	90
20	Ø 19	G 3/4"	12	54	55	90
25	Ø 24	G 1"	14	66	60	103
32	Ø 30	G 1 1/4"	15	74	76	138
40	Ø 37	G 1 1/2"	16	84	81	138
50	Ø 45	G 2"	19	100	99	145
65	Ø 59	G 2 1/2"	26	131	123	205
80	Ø 69	G 3"	27	147	132	250
100	Ø 86	G 4"	30	172	145	250

EAN	Code	DN
5907732000016	KW010001.8021	10
5907732000023	KW015001.8021	15
5907732000030	KW020001.8021	20
5907732000047	KW025001.8021	25
5907732000054	KW032001.8021	32
5907732000061	KW040001.8021	40
5907732000078	KW050001.8021	50
5907732000085	KW065001.8021	65
5907732000092	KW080001.8021	80
5907732000108	KW0100001.8021	100

BRASS BALL VALVE FOR WATER F/F HAUSTECH

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations..

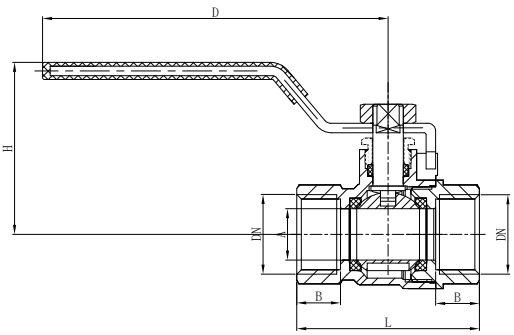
Technical data:
Max. working pressure: **2,5 MPa**
Working temperature: **0°C +120°C**
Mounting position: **Universal**

Compliant with:
PN-EN 13828

Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Ball, Spindle, Screw: Brass
Ball sealing: PTFE
Spindle sealing: PTFE
Handle: Steel

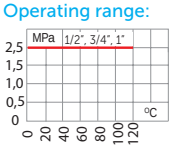
Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



Max. pressure 2,5 MPa

Max. temp. 0°C +120°C

Operating range:



DN	A	B	L	H	D
15	Ø 10	8	41	38	85
20	Ø 17	10	47	43	85
25	Ø 19	11	56	51	98

EAN	Code	DN
5907732000801	HUKW015001.821	15
5907732000818	HUKW020001.821	20
5907732000825	HUKW025001.821	25

BRASS BALL VALVE FOR WATER F/F WITH AIR VENT

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations..

Technical data:
Max. working pressure: **3 MPa**
Working temperature: **-20°C +180°C**
Mounting position: **Universal**

Compliant with:
National Technical Assessment

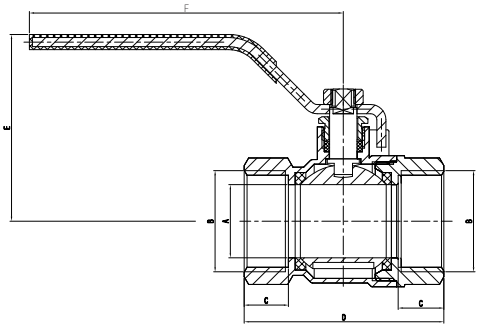
Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Ball, Spindle, Screw: Brass
Ball sealing: PTFE
Spindle sealing: PTFE
Handle: Steel

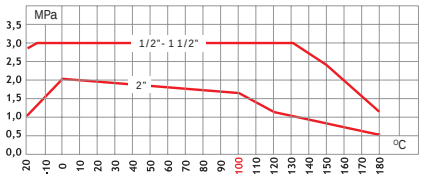
Max. pressure 3 MPa

Max. temp. -20°C +180°C

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



Operating range:



DN	A	B	C	D	E	F
15	Ø 14	1/2"	11	48	51	90
20	Ø 19	3/4"	12	54	55	90
25	Ø 24	1"	14	66	60	103
32	Ø 30	1 1/4"	15	74	76	138
40	Ø 37	1 1/2"	16	84	81	138
50	Ø 45	2"	19	100	99	145

EAN	Code	DN
5907732000597	KW015131.8045	15
5907732000603	KW020131.8045	20
5907732000610	KW025131.8045	25
5907732000627	KW032131.8045	32
5907732000634	KW040131.8045	40
5907732000641	KW050131.8045	50

BRASS BALL VALVE FOR WATER F/F WITH BUTTERFLY HANDLE

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations.

Technical data:
Max. working pressure: **3 MPa**
Working temperature: **-20°C +180°C**
Mounting position: **Universal**

Compliant with:
National Technical Assessment

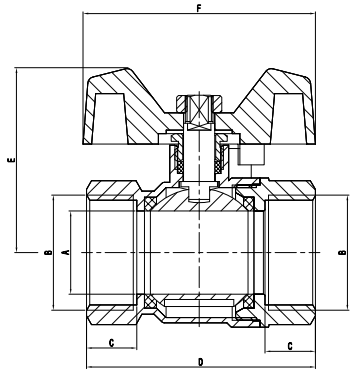
Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Ball, Spindle, Screw: Brass
Ball sealing: PTFE
Spindle sealing: PTFE
Butterfly: Steel

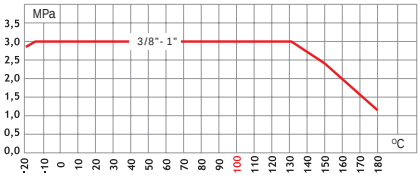
Max. pressure 3 MPa

Max. temp. -20°C +180°C

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



Operating range:



DN	A	B	C	D	E	F
10	Ø 10	G 3/8"	10	42	37	54
15	Ø 14	G 1/2"	11	48	39	54
20	Ø 19	G 3/4"	12	54	43	54
25	Ø 24	G 1"	14	66	54	66

EAN	Code	DN
5907732000115	KW010002.8024	10
5907732000122	KW015002.8024	15
5907732000139	KW020002.8024	20
5907732000146	KW025002.8024	25

MINI BRASS BALL VALVE FOR WATER F/F

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Working temperature: **0°C +100°C**
Mounting position: **Universal**

Compliant with:
PN-EN 13828

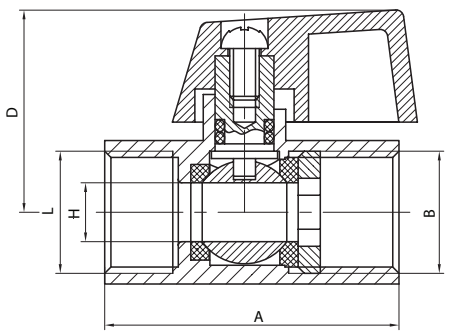
Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Ball, Spindle: Brass
Ball sealing: PTFE
Spindle sealing: PTFE
Handle: Steel

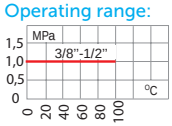
Max. pressure 1 MPa

Max. temp. 0°C +100°C

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



Operating range:



DN	A	B	D	H	L
10	40	3/8"	27	Ø 6	3/8"
15	41	1/2"	29	Ø 10	1/2"

EAN	Code	DN
5907732084528	KW010001.8063	10
5907732000542	KW015001.8063	15

BRASS BALL VALVE FOR WATER M/F HAUSTECH

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations.

Technical data:
Max. working pressure: **2 MPa**
Working temperature: **0°C +120°C**
Mounting position: **Universal**

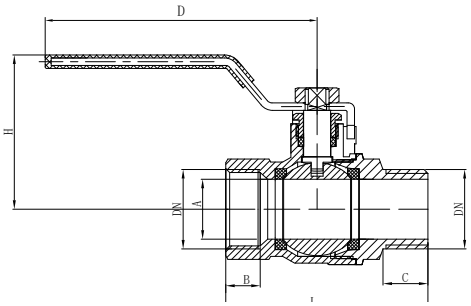
Compliant with:
PN-EN 13828

Reference document:
The Declaration of Perfocmance

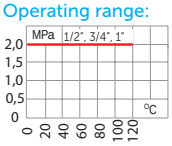
Materials tally:
Body, Ball, Spindle, Screw: Brass
Ball sealing: PTFE
Spindle sealing: PTFE
Handle: Steel

Max. pressure 2 MPa
Max. temp. 0°C +120°C

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



Operating range:



DN	A	B	C	L	H	D
15	10	8	10	49	38	85
20	17	10	11	55	43	85
25	19	11	14	64	51	98

EAN	Code	DN
5907732000832	HUKW015012.822	15
5907732000849	HUKW020012.822	20
5907732000856	HUKW025012.822	25

BRASS BALL VALVE FOR WATER M/F

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations.

Technical data:
Max. working pressure: **3 MPa**
Working temperature: **-20°C +180°C**
Mounting position: **Universal**

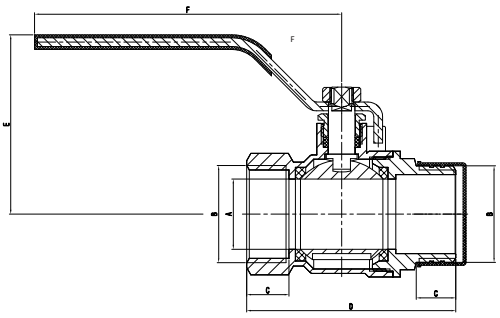
Compliant with:
National Technical Assessment

Reference document:
The Declaration of Perfocmance

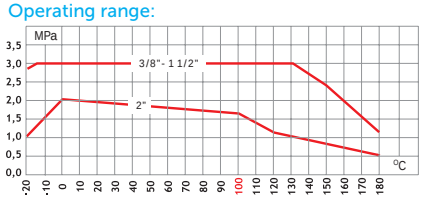
Materials tally:
Body, Ball, Spindle, Screw: Brass
Ball sealing: PTFE
Spindle sealing: PTFE
Handle: Steel

Max. pressure 3 MPa
Max. temp. -20°C +180°C

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



Operating range:



DN	A	B	C	D	E	F
10	Ø 10	G 3/8"	10	47	47	85
15	Ø 14	G 1/2"	11	53	51	90
20	Ø 19	G 3/4"	12	58	55	90
25	Ø 24	G 1"	14	71	60	103
32	Ø 30	G 1 1/4"	15	81	76	138
40	Ø 37	G 1 1/2"	16	91	81	138
50	Ø 45	G 2"	19	108	99	145

EAN	Code	DN
5907732000191	KW010012.8022	10
5907732000207	KW015012.8022	15
5907732000214	KW020012.8022	20
5907732000221	KW025012.8022	25
5907732000238	KW032012.8022	32
5907732000245	KW040012.8022	40
5907732000252	KW050012.8022	50

BRASS BALL VALVE FOR WATER M/F WITH BUTTERFLY HANDLE

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations.

Technical data:
Max. working pressure: **3 MPa**
Working temperature: **-20°C +180°C**
Mounting position: **Universal**

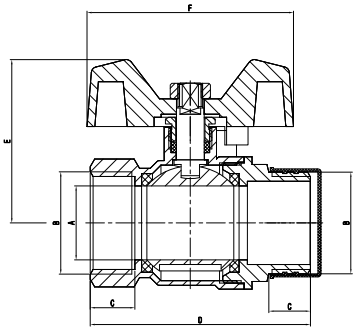
Compliant with:
National Technical Assessment

Reference document:
The Declaration of Perfocmance

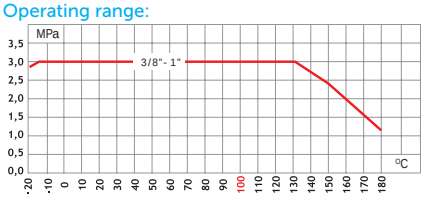
Materials tally:
Body, Ball, Spindle, Screw: Brass
Ball sealing: PTFE
Spindle sealing: PTFE
Butterfly: Steel

Max. pressure 3 MPa
Max. temp. -20°C +180°C

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



Operating range:



DN	A	B	C	D	E	F
10	Ø 10	3/8"	10	42	37	90
15	Ø 14	1/2"	11	53	39	90
20	Ø 19	3/4"	12	59	43	90
25	Ø 24	1"	15	72	54	103

EAN	Code
5907732000269	KW010022.8025
5907732000276	KW015022.8025
5907732000283	KW020022.8025
5907732000290	KW025022.8025

ANGLE BRASS BALL VALVE FOR WATER WITH UNION AND BUTTERFLY HANDLE

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations.

Technical data:
Max. working pressure: **3 MPa**
Working temperature: **-20°C +180°C**
Mounting position: **Universal**

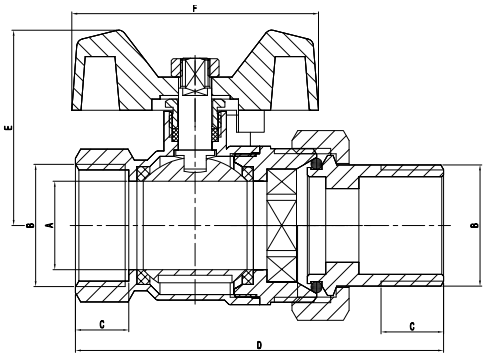
Compliant with:
National Technical Assessment

Reference document:
The Declaration of Perfocmance

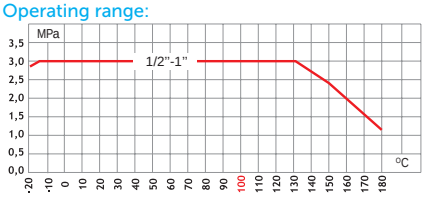
Materials tally:
Body, Ball, Spindle, Screw: Brass
Ball sealing: PTFE
Spindle sealing: PTFE
Butterfly: Steel

Max. pressure 3 MPa | Max. temp. -20°C +180°C

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



Operating range:



DN	A	B	C	D	E	F
15	Ø 14	1/2"	11	53	39	54
20	Ø 19	3/4"	12	59	43	54
25	Ø 24	1"	14	72	54	66

EAN	Code	DN
5907732000658	KW015042.8042M	15
5907732000665	KW020042.8042M	20
5907732000672	KW025042.8042M	25

ANGLE BRASS BALL VALVE FOR WATER WITH UNION AND BUTTERFLY HANDLE HAUSTECH

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Working temperature: **0°C +100°C**
Mounting position: **Universal**

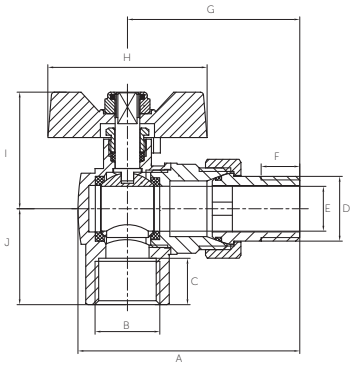
Compliant with:
PN-EN 13828

Reference document:
The Declaration of Perfocmance

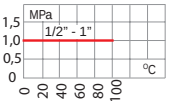
Materials tally:
Body, Ball, Spindle, Screw: Brass
Ball sealing: PTFE
Spindle sealing: PTFE
Butterfly: Steel

Max. pressure 1 MPa | Max. temp. 0°C +100°C

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



Operating range:



DN	A	B	C	D	E	F	G	H	I	J
15	73	1/2"	15	1/2"	Ø15	13	58	51	38	31
20	86	3/4"	16	3/4"	Ø20	15	65	51	40	35
25	106	1"	18	1"	Ø25	17	80	67	51	43

EAN	Code	DN
5907732084498	KW015043.8043M	15
5907732084504	KW020043.8043M	20
5907732084511	KW025043.8043M	25

MINI BRASS BALL VALVE FOR WATER M/F

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Working temperature: **0°C +100°C**
Mounting position: **Universal**

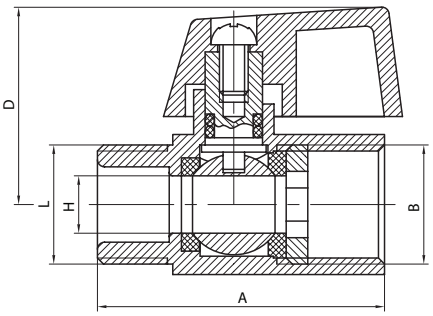
Compliant with:
PN-EN 13828

Reference document:
The Declaration of Perfocmance

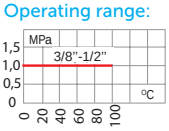
Materials tally:
Body, Ball, Spindle: Brass
Ball sealing: PTFE
Spindle sealing: PTFE
Handle: Steel

Max. pressure 1 MPa | Max. temp. 0°C +100°C

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



Operating range:



DN	A	B	D	H	L
10	40	3/8"	27	Ø 6	3/8"
15	45	1/2"	29	Ø 10	1/2"

EAN	Code	DN
5907732084535	KW010021.8064	10
5907732000535	KW015021.8064	15

BRASS BALL VALVE FOR WATER M/M

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations.

Technical data:
Max. working pressure: **3 MPa**
Working temperature: **-20°C +180°C**
Mounting position: **Universal**

Compliant with:
National Technical Assessment

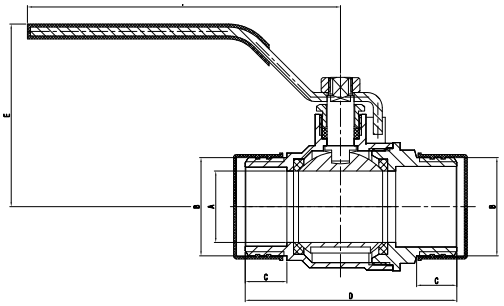
Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Ball, Spindle, Screw: Brass
Ball sealing: PTFE
Spindle sealing: PTFE
Handle: Steel

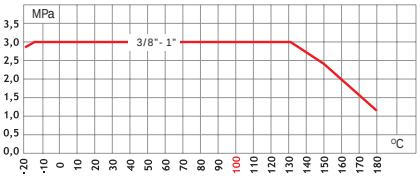
Max. pressure 3 MPa

Max. temp. -20°C +180°C

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



Operating range:



DN	A	B	C	D	E	F
10	Ø 10	G 3/8"	10	47	45	90
15	Ø 14	G 1/2"	11	53	51	90
20	Ø 19	G 3/4"	12	59	55	90
25	Ø 24	G 1"	15	72	60	103

EAN	Code	DN
5907732000153	KW010011.8023	10
5907732000160	KW015011.8023	15
5907732000177	KW020011.8023	20
5907732000184	KW025011.8023	25

DRAIN BALL VALVE WITH CAP

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations.

Technical data:
Max. working pressure: **3 MPa**
Working temperature: **-20°C +180°C**
Mounting position: **Universal**

Compliant with:
National Technical Assessment

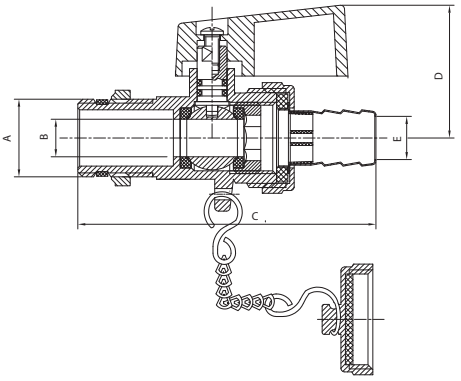
Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Ball, Spindle: Brass
Ball sealing: PTFE
Spindle sealing: PTFE
Handle: Steel

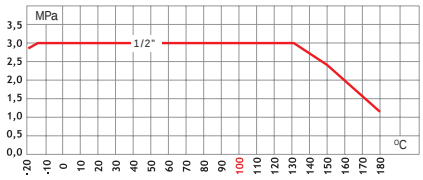
Max. pressure 3 MPa

Max. temp. -20°C +180°C

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



Operating range:



DN	A	B	C	D	E
15	1/2"	Ø 10	80	35	Ø 12

EAN	Code	DN
5907732000559	KW015011.8058	15

MINI BRASS BALL VALVE PEX

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Max. working temperature: **+95°C**
Mounting position: **Universal**

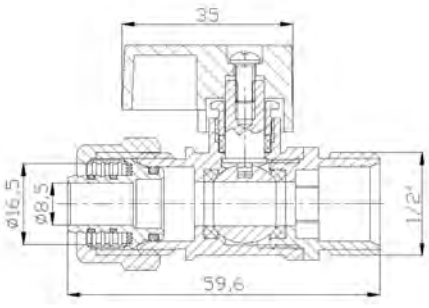
Compliant with:
PN-EN 13828

Reference document:
The Declaration of Perfocmance

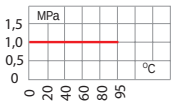
Materials tally:
Body, Ball, Spindle: Brass
Handle: Steel

Max. pressure 1 MPa

Max. temp. +95°C



Operating range:



EAN	Code	Size
5907732084788	KW015GZ16PEXCW	GZ1/2" x 16 HOT WATER
5907732084771	KW015GZ16PEXZW	GZ1/2" x 16 COLD WATER

BRASS BALL VALVE FOR WATER WITH FILTER

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations.

Technical data:
Max. working pressure: **3 MPa**
Working temperature: **-20 +180°C**
Mounting position: **Horizontal, flow direction as mark on the body**

Compliant with:
National Technical Assessment

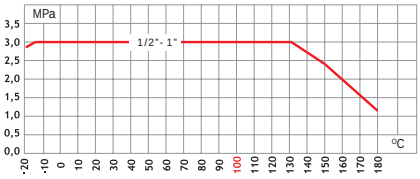
Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Ball, Spindle, Screw: Brass
Ball sealing: PTFE
Spindle sealing: PTFE
Handle: Steel
Filter: Stainless steel

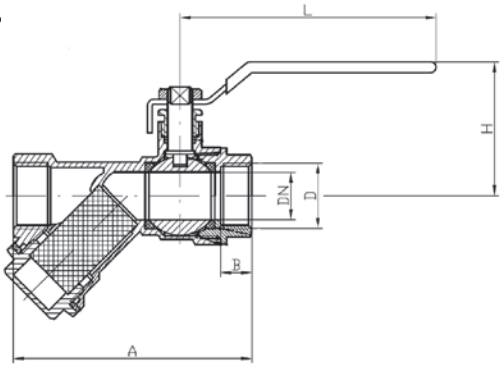
Max. pressure 3 MPa

Max. temp. -20°C +180°C

Operating range:



Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



DN	A	B	D	H	L
15	77	10	1/2"	43	85
20	95	13	3/4"	49	103
25	116	14	1"	55	103

EAN	Code	DN
5907732000443	KW015071.8050	15
5907732000450	KW020071.8050	20
5907732000467	KW025071.8050	25

BIBCOCK BALL VALVE FOR WATER

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Working temperature: **0°C +100°C**
Mounting position: **Universal**

Compliant with:
PN-EN 13828

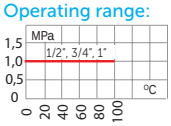
Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Ball, Spindle: Brass
Ball sealing: PTFE
Spindle sealing: Viton
Handle: Steel

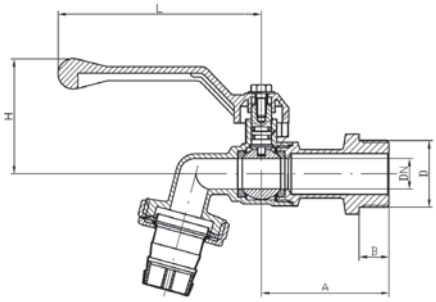
Max. pressure 1 MPa

Max. temp. 0°C +100°C

Operating range:



Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



DN	A	B	D	H	L
15	51	12	1/2"	45	82
20	57	12	3/4"	48	82
25	66	16	1"	55	100

EAN	Code	DN
5907732000337	KW015051.9003	15
5907732000344	KW020051.9003	20
5907732000351	KW025051.9003	25

BIBCOCK BALL VALVE FOR WATER WITH LOCK

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Working temperature: **0°C +100°C**
Mounting position: **Universal**

Compliant with:
PN-EN 13828

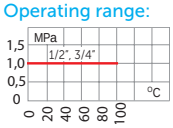
Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Ball, Spindle, Screw: Brass
Ball sealing: PTFE
Spindle sealing: Viton
Handle: Steel

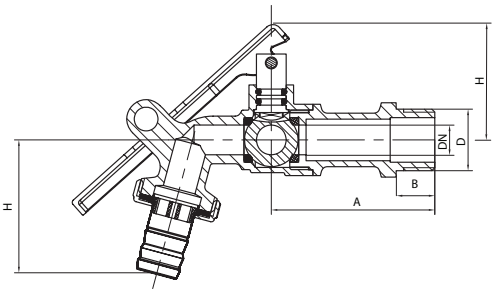
Max. pressure 1 MPa

Max. temp. 0°C +100°C

Operating range:



Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



Size	DN	A	B	D	H
15	10	47	13	1/2"	49
20	13	61	14	3/4"	51

EAN	Code	DN
5907732000382	KW015051.9015	15
5907732000399	KW020051.9015	20

BRASS BALL VALVE FOR WATER FOR SOLDERING

Max. pressure 3 MPa

Max. temp. -20°C +180°C

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations.

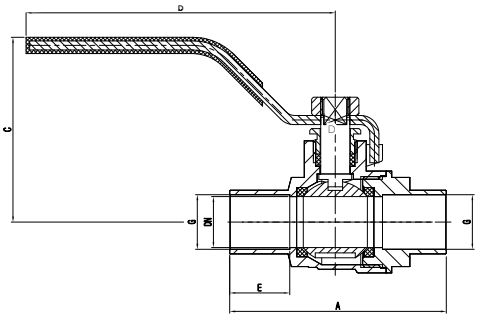
Technical data:
Max. working pressure: **3 MPa**
Working temperature: **-20°C +180°C**
Mounting position: **Universal**

Compliant with:
National Technical Assessment

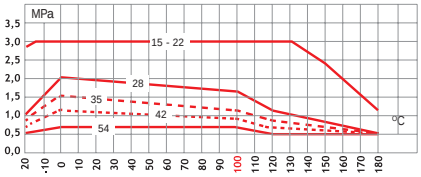
Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Ball, Spindle, Screw: Brass
Ball sealing: PTFE
Spindle sealing: PTFE
Handle: Steel

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



Operating range:



DN	G	A	C	D	E
15	15	60	47	90	16
18	18	60	51	95	17
22	22	72	54	95	21
28	28	93	62	107	21
35	35	100	74	120	27
42	42	120	81	152	30
54	54	142	92	152	36

EAN	Code	DN
5907732000405	KW015121.8035	15
5907732000412	KW018121.8035	18
5907732000429	KW022121.8035	22
5907732000436	KW028121.8035	28
5907732000566	KW035121.8035	35
5907732000573	KW042121.8035	42
5907732000580	KW054121.8035	54

BIBCOCK BALL VALVE FOR WATER WITH BUTTERFLY HANDLE

Max. pressure 1 MPa

Max. temp. 0°C +100°C

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations.

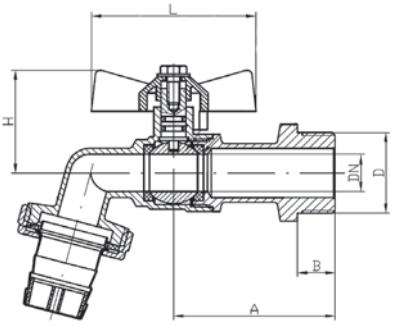
Technical data:
Max. working pressure: **1 MPa**
Working temperature: **0°C +100°C**
Mounting position: **Universal**

Compliant with:
PN-EN 13828

Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Ball, Spindle: Brass
Ball sealing: PTFE
Spindle sealing: Viton
Butterfly: Steel

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



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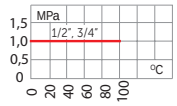


DN	A	B	D	H	L
15	51	12	1/2"	33	82
20	57	12	3/4"	36	82

EAN	Code	DN
5907732000368	KW015052.9003B	15
5907732000375	KW020052.9003B	20

BIBCOCK BALL VALVE FOR WATER CHROME

Max. pressure 1 MPa

Max. temp. 0°C +100°C

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

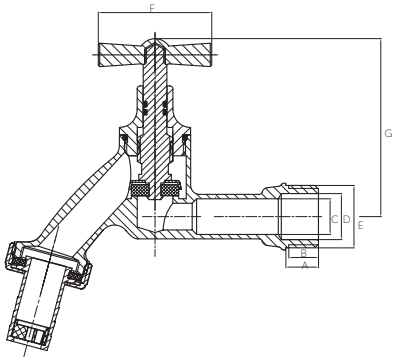
Technical data:
Max. working pressure: **1 MPa**
Working temperature: **0°C +100°C**
Mounting position: **Universal**

Compliant with:
PN-EN 13828

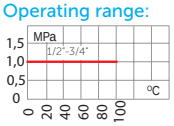
Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Spindle: Brass
Sealing: NBR
Handwheel: Brass

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



Operating range:



DN	A	B	C	D	E	F	G
15	11	10	Ø12	Ø15	1/2"	38	60
20	12	11	Ø16	Ø20	3/4"	38	61

EAN	Code	DN
5907732084542	KW015051.9003CH	15
5907732084559	KW020051.9003CH	20

CAST IRON BIBCOCK VALVE WITH HOSE CONNECTOR

Use:
It is used for water supply systems for economic needs.

Technical data:
Max. working pressure: **1 MPa**
Working temperature: **0°C +100°C**
Mounting position: **Universal**

Compliant with:
PN-EN 13828

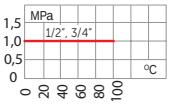
Reference document:
The Declaration of Perfocmance

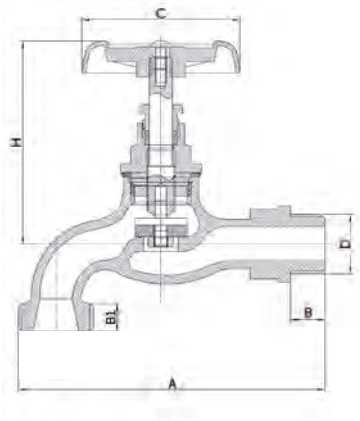
Materials tally:
Body: Cast iron
Spindle, Screw: Brass
Sealing: NBR
Handwheel: Steel

Max. pressure 1 MPa

Max. temp. 0°C +100°C

Operating range:





Size	A	B	B1	C	D	H
15	110	12	10	51	1/2"	72
20	131	14	12	59	3/4"	80

EAN	Code	DN
5907732000955	KW015253.3061	15
5907732000962	KW020253.3061	20

BIBCOCK BALL VALVE FOR WATER DUO

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Working temperature: **0°C +100°C**
Mounting position: **Universal**

Compliant with:
PN-EN 13828

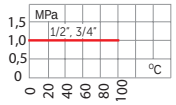
Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Ball, Spindle, Screw: Brass
Ball sealing: PTFE
Spindle sealing: Viton
Handle: Steel

Max. pressure 1 MPa

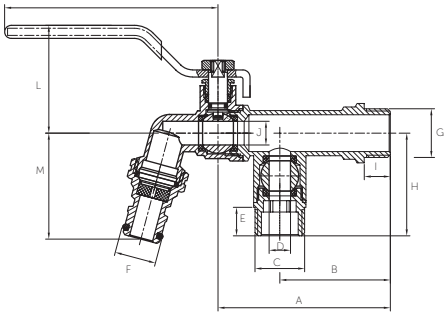
Max. temp. 0°C +100°C

Operating range:



DN	A	B	C	D	E	F	G	H	I	J	K	L	M
15 x 15	72	47	1/2"	Ø 9	10	Ø 16	1/2"	44	10	Ø 10	92	44	46
15 x 20	72	47	3/4"	Ø 9	9	Ø 16	1/2"	36	10	Ø 10	92	44	46

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



EAN	Code	DN
5907732085198	KW015X151.DUOAC	1/2" x 1/2"
5907732085204	KW015X201.DUOAC	1/2" x 3/4"

CONCEALED STOP VALVE WITH HANDWHEEL

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Working temperature: **0°C +100°C**
Mounting position: **Universal**

Compliant with:
PN-EN 13828

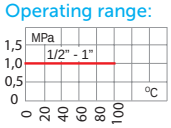
Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Spindle, Screw: Brass
Sealing: NBR
Spindle sealing: PTFE
Handwheel, Rosette: Steel

Max. pressure 1 MPa

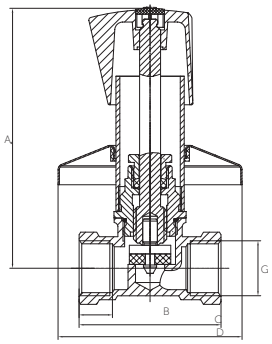
Max. temp. 0°C +100°C

Operating range:



DN	A	B	C	D	G
15	100	13	54	Ø 70	1/2"
20	100	14	59	Ø 70	3/4"
25	108	16	72	Ø 70	1"

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



EAN	Code	DN
5907732084436	KW015009.7001PT	15
5907732084443	KW020009.7001PT	20
5907732084450	KW025009.7001PT	25

CONCEALED BALL VALVE WITH HANDLE

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Working temperature: **0°C+100°C**
Mounting position: **Universal**

Compliant with:
PN-EN 13828

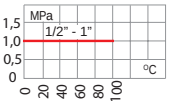
Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Ball, Spindle, Screw: Brass
Ball sealing: PTFE
Spindle sealing: PTFE
Handwheel, Rosette: Steel

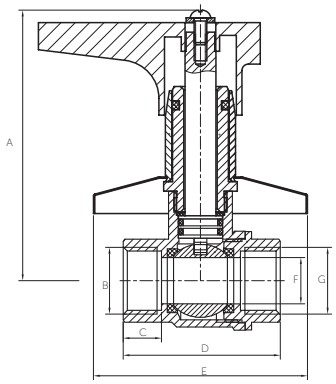
Max. pressure 1 MPa

Max. temp. 0°C +100°C

Operating range:



Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



DN	A	B	C	D	E	F	G
15	85	1/2"	12	42	37	Ø 15	1/2"
20	87	3/4"	13	58	39	Ø 20	3/4"
25	91	1"	15	65	54	Ø 24	1"

EAN	Code	DN
5907732084467	KW015009.7002PT	15
5907732084474	KW020009.7002PT	20
5907732084481	KW025009.7002PT	25

BRASS STOP VALVE WITH HANDWHEEL

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Working temperature: **0°C +100°C**
Mounting position: **Universal**

Compliant with:
PN-EN 13828

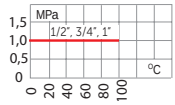
Reference document:
The Declaration of Perfocmance

Materials tally:
Body,Closing element: Brass
Spindle sealing: PTFE
Sealing: NBR
Handwheel: Material

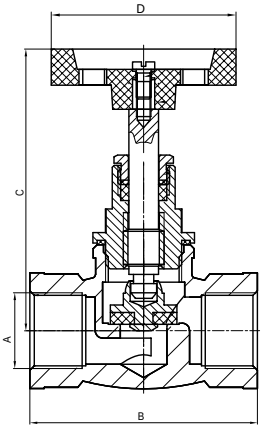
Max. pressure 1 MPa

Max. temp. 0°C +100°C

Operating range:



Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



DN	A	B	C	D
15	1/2"	61	75	50
20	3/4"	71	85	50
25	1"	88	95	50

EAN	Code	DN
5907732000740	KW015003.3006'	15
5907732000757	KW020003.3006'	20
5907732000764	KW025003.3006'	25

BRASS GATE VALVE WITH HANDWHEEL

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Working temperature: **0°C +100°C**
Mounting position: **Universal**

Compliant with:
PN-EN 13828

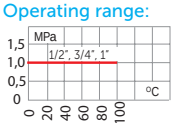
Reference document:
The Declaration of Perfocmance

Materials tally:
Body,Closing element: Brass
Spindle sealing: PTFE
Handwheel: Steel

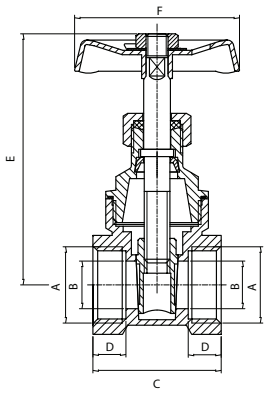
Max. pressure 1 MPa

Max. temp. 0°C +100°C

Operating range:



Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



DN	A	B	C	D	E	F
15	1/2"	Ø 13	35	9	69	45
20	3/4"	Ø 15	39	10	69	45
25	1"	Ø 19	42	11	80	51

EAN	Code	DN
5907732000474	KW015003.3006	15
5907732000481	KW020003.3006	20
5907732000498	KW025003.3006	25

CAST IRON STOP VALVE FOR WATER (M83)

Max. pressure 1 MPa

Max. temp. 0°C +100°C

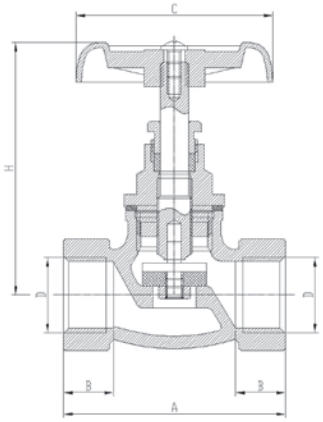
Use:
It is used for water supply systems for economic needs.

Technical data:
Max. working pressure:**1 MPa**
Working temperature: **0°C +100°C**
Mounting position: **Universal**

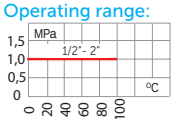
Compliant with:
PN-M-75002

Reference document:
The Declaration of Perfocmance

Materials tally:
Body: Cast iron
Sealing: NBR
Closing element: Brass
Handwheel: Steel



Operating range:



DN	A	B	C	D	H
15	62	14	54	1/2"	75
20	73	17	54	3/4"	79
25	88	19	59	1"	102
32	102	23	63	1 1/4"	98
40	118	24	78	1 1/2"	106
50	144	28	98	2"	129

EAN	Code	DN
5907732000894	KW015203.3051	15
5907732000900	KW020203.3051	20
5907732000917	KW025203.3051	25
5907732000924	KW032203.3051	32
5907732000931	KW040203.3051	40
5907732000948	KW050203.3051	50

REPLACMENT PART FOR STOP VALVE

Max. pressure 1 MPa

Max. temp. 0°C +100°C

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations.

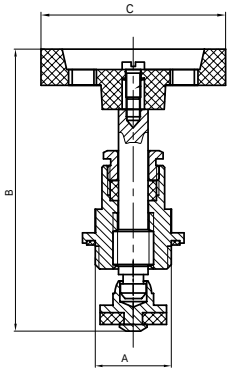
Technical data:
Max. working pressure: **1 MPa**
Working temperature: **0°C +100°C**
Mounting position: **Universal**

Compliant with:
PN-EN 13828

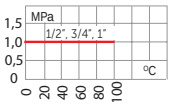
Reference document:
The Declaration of Perfocmance

Materials tally:
Head: Brass
Spindle sealing: PTFE
Sealing: NBR
Handwheel: Material

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



Operating range:



DN	A	B	C
15	1/2"	76	50
20	3/4"	87	50
25	1"	96	50

EAN	Code	DN
5907732000689	KW015003.3006'A	15
5907732000696	KW020003.3006'A	20
5907732000702	KW025003.3006'A	25

ANTI-CONTAMINATION VALVE

EA

Max. pressure 1 MPa

Max. temp. 0°C +65°C

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations.

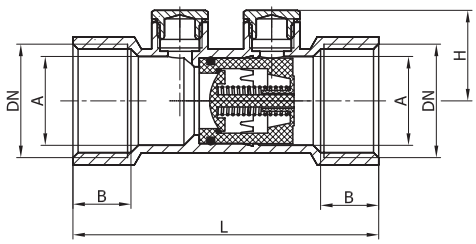
Technical data:
Max. working pressure: **1 MPa**
Working temperature: **0°C +65°C (max. 90°C for 1 hour)**
Mounting position: **Universal, flow direction as marked on the body**

Compliant with:
PN-EN 1717

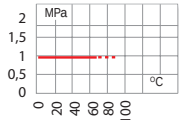
Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Cap: Brass
Nest: Plastic
Spring: Stainless steel
Sealing: EPDM

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



Operating range:



DN	A	B	L	H
15	16	13	65	23
20	21	14	75	24
25	26	17	90	27

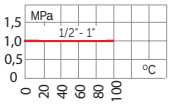
EAN	Code	DN
5907732010459	AS015001.5011	1/2"
5907732010466	AS020001.5011	3/4"
5907732010473	AS025001.5011	1"

HORIZONTAL SWING CHECK VALVE

Max. pressure 1 MPa

Max. temp. 0°C +100°C

Operating range:



Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Working temperature: **0°C +100°C**
Mounting position: **Horizontal, flow direction as marked on the body**

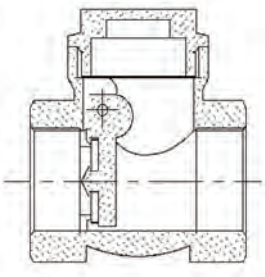
Compliant with:
PN-M-75002

Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Plug, Flap: Brass
Plug sealing: Fibra
Flap sealing: NBR

DN	Inch
15	1/2"
20	3/4"
25	1"

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



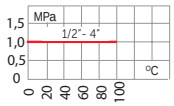
EAN	Code	DN
5907732010251	AW015080.5005	15
5907732087062	AW020080.5005	20
5907732010275	AW025080.5005	25

SWING CHECK VALVE

Max. pressure 1 MPa

Max. temp. 0°C +100°C

Operating range:



Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Working temperature: **0°C +100°C**
Mounting position: **Universal, flow direction as marked on the body**

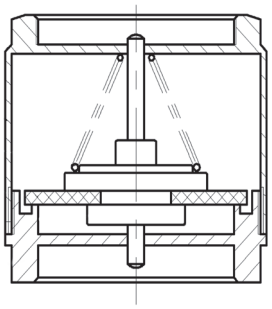
Compliant with:
PN-M-75002

Reference document:
The Declaration of Perfocmance

Materials tally:
Body: Brass
Spring: Stainless steel
Sealing: NBR

DN	Inch
15	1/2"
20	3/4"
25	1"
32	1 1/4"
40	1 1/2"
50	2"
65	2 1/2"
80	3"
100	4"

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



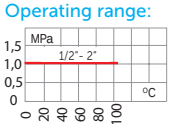
EAN	Code	DN
5907732010060	AW015080.5002	15
5907732010077	AW020080.5002	20
5907732010084	AW025080.5002	25
5907732010091	AW032080.5002	32
5907732010107	AW040080.5002	40
5907732010114	AW050080.5002	50
5907732010121	AW065080.5002	65
5907732010138	AW080080.5002	80
5907732010145	AW100080.5002	100

BRASS Y-PATTERN FILTER

Max. pressure 1 MPa

Max. temp. 0°C +100°C

Operating range:



Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Working temperature: **0°C +100°C**
Mounting position: **Horizontal, flow direction as marked on the body**

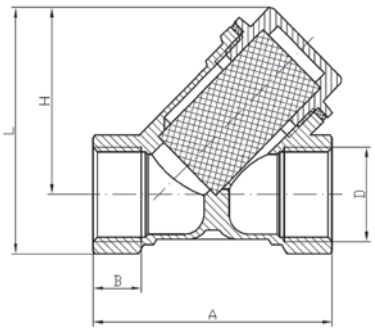
Compliant with:
PN-M-75002

Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Screw: Brass
Filter: Stainless steel
Screw sealing: Fibra

DN	D	A	B	H	L
15	1/2"	55	11	42	55
20	3/4"	68	12	46	62
25	1"	71	13	54	73
32	1 1/4"	95	15	63	87
40	1 1/2"	105	15	72	99
50	2"	127	18	92	125

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



EAN	Code	DN
5907732010008	AW015060.5006	15
5907732010015	AW020060.5006	20
5907732010022	AW025060.5006	25
5907732010039	AW032060.5006	32
5907732010046	AW040060.5006	40
5907732010053	AW050060.5006	50

SWING CHECK VALVE WITH FILTER

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Working temperature: **0°C +100°C**
Mounting position: **Universal, flow direction as marked on the body**

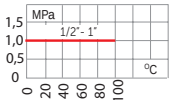
Compliant with:
PN-M-75002

Reference document:
The Declaration of Perfocmance

Materials tally:
Body: Brass
Filter: Stainless steel
Sealing: NBR

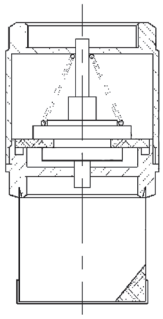
Max. pressure 1 MPa | Max. temp. 0°C +100°C

Operating range:



DN	Inch
15	1/2"
20	3/4"
25	1"

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



EAN	Code	DN
5907732010152	AW015080.5003	15
5907732010169	AW020080.5003	20
5907732010176	AW025080.5003	25

AQUASTOP ANGLE VALVE

Use:
It is used in water distribution systems to prevent flooding of rooms as a result of system failure.

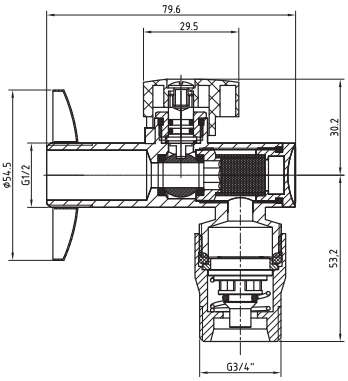
Technical data:
Max. working pressure: **1Mpa**
Working temperature: **95°C**
Mounting position: **Universal, flow direction as marked on the body**

Compliant with:
PN-M-75002:2012

Reference document:
The Declaration of Perfocmance

Materials tally:
Valve-Body, Ball, Spindle, Screw: Brass
Ball seal: PTFE
Valve-Filter: Stainless steel
Aquastop-Body: Brass
Aquastop-Spring: Stainless steel
Aquastop-Core: Brass
Aquastop-Sealing: EPDM

Max. pressure 1 MPa | Max. temp. 0°C +95°C



EAN	Code	DN
5907732088311	AWASZK015X020B	1/2" x 3/4"

AQUASTOP STRAIGHT VALVE

Use:
It is used in water distribution systems to prevent flooding of rooms as a result of system failure.

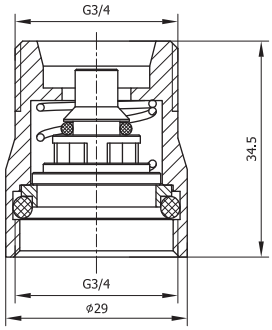
Technical data:
Max. working pressure: **1 Mpa**
Working temperature: **95°C**
Mounting position: **Universal, flow direction as marked on the body**

Compliant with:
PN-M-75002:2012

Reference document:
The Declaration of Perfocmance

Materials tally:
Body: Brass
Spring: Stainless steel
Core: Brass
Sealing: EPDM

Max. pressure 1 MPa | Max. temp. 0°C +95°C



EAN	Code	DN
5907732088298	AWAS020B	3/4"

PROFI INOX WATER HOSE

Use:
It is used to connect sanitary and heating devices and other installation products.

Technical data:
Max. working pressure: **DN12 – 1,6MPa, DN16 – 1MPa, DN20 – 1MPa, DN25 – 0,6MPa**
Working temperature: **-20°C +250°C**

Compliant with:
PN-EN ISO 10380

Reference document:
The Declaration of Perfocmance

Materials tally:
Cap: Brass,
Hose: Stainless steel

EAN	Code	Size
5907573471716	19025012000	250 mm
5907573471730	19035012000	350 mm
5907573471754	19045012000	450 mm

BRASS ANGLE BALL VALVE WITH FILTER

Max. pressure 1 MPa

Max. temp. 0°C +100°C

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

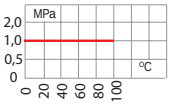
Technical data:
Max. working pressure: **1 MPa**
Working temperature: **0°C +100°C**
Mounting position: **Universal**

Compliant with:
PN-M-75002

Reference document:
The Declaration of Perfocmance

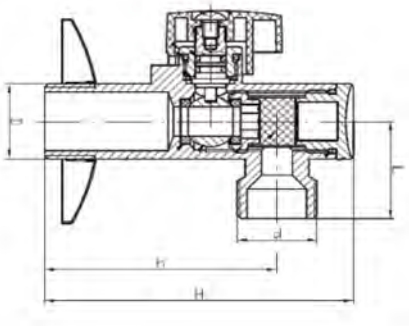
Materials tally:
Body, Plug, Ball, Spindle: Brass
Plug sealing: NBR
Ball seal: PTFE
Handle: Material
Filter, Rosette: Stainless steel

Operating range:



DN	D	d	h	H	L
1/2" x 3/8"	1/2"	3/8"	43	80	27
1/2" x 1/2"	1/2"	1/2"	43	80	27
1/2" x 3/4"	1/2"	3/4"	43	80	27

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



EAN	Code	DN
5907732010183	AŁKF1/2X3/8.6001	1/2" x 3/8"
5907732010190	AŁKF1/2X1/2.6001	1/2" x 1/2"
5907732010206	AŁKF1/2X3/4.6001	1/2" x 3/4"

BRASS ANGLE BALL VALVE WITH FILTER - DOUBLE PACK

Max. pressure 1 MPa

Max. temp. 0°C +100°C

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

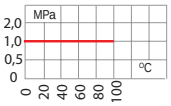
Technical data:
Max. working pressure: **1 MPa**
Working temperature: **0°C +100°C**
Mounting position: **Universal**

Compliant with:
PN-M-75002

Reference document:
The Declaration of Perfocmance

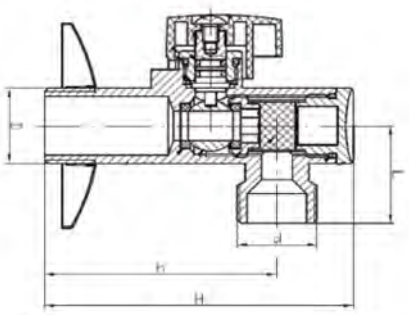
Materials tally:
Body, Plug, Ball, Spindle: Brass
Plug sealing: NBR
Ball seal: PTFE
Handle: Material
Filter, Rosette: Stainless steel

Operating range:



DN	D	d	h	H	L
1/2" x 3/8"	1/2"	3/8"	43	80	27

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



EAN	Code	DN
5907732010213	AŁZF1/2X3/8.6001	1/2" x 3/8"

BRASS ANGLE BALL VALVE WITH CAP

Max. pressure 1 MPa

Max. temp. 0°C +100°C

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Working temperature: **0°C +100°C**
Mounting position: **Universal**

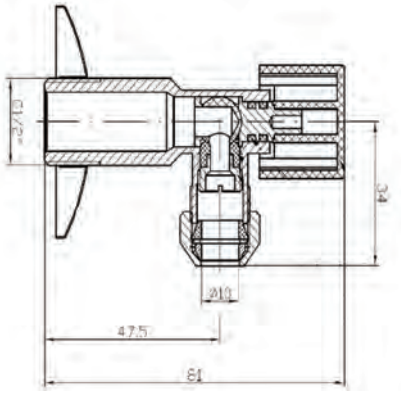
Compliant with:
PN-M-75002

Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Ball, Spindle: Brass
Spindle and ball sealing : PTFE
Handle, Cap: Material
Rosette: Stainless steel

Operating range:

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



EAN	Code	DN
5907732010282	AŁK1/2X010.6013	1/2" x DN10

BRASS ANGLE BALL VALVE

CR CHROME

Max. pressure 1 MPa

Max. temp. 0°C +100°C

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

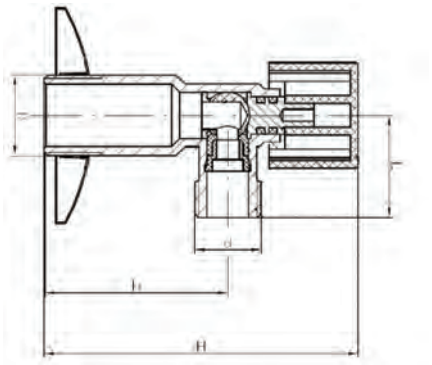
Technical data:
Max. working pressure: **1 MPa**
Working temperature: **0°C +100°C**
Mounting position: **Universal**

Compliant with:
PN-EN 13828

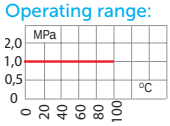
Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Ball, Spindle: Brass
Spindle and ball sealing : PTFE
Handle: Material
Rosette: Stainless steel

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



Operating range:



DN	D	d	h	H	L
1/2" x 3/8"	1/2"	3/8"	47	80	24
1/2" x 1/2"	1/2"	1/2"	47	80	26
1/2" x 3/4"	1/2"	3/4"	47	80	27

EAN	Code	DN
5907732010220	AŁK1/2X3/8.6016	1/2" x 3/8"
5907732010237	AŁK1/2X1/2.6016	1/2" x 1/2"
5907732010244	AŁK1/2X3/4.6016	1/2" x 3/4"

BRASS ANGLE BALL VALVE WITH FILTER

CR CHROME

Max. pressure 1 MPa

Max. temp. 0°C +100°C

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

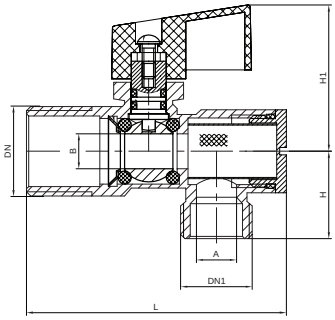
Technical data:
Max. working pressure: **1 MPa**
Working temperature: **0°C +100°C**
Mounting position: **Universal**

Compliant with:
PN-EN 13828

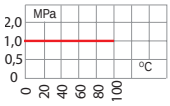
Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Ball, Spindle: Brass
Spindle and ball sealing : PTFE
Handle: Material
Rosette, Filter: Stainless steel

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



Operating range:



Size	DN	DN1	A	B	L	H	H1
1/2" x 3/8"	1/2"	3/8"	9	8	59	22	34
1/2" x 1/2"	1/2"	1/2"	9	8	59	22	34
1/2" x 3/4"	1/2"	3/4"	9	8	59	22	34

EAN	Code	DN
5907732010442	HUAŁKF1/2X3/8.601	1/2" x 3/8"
5907732010428	HUAŁKF1/2X1/2.601	1/2" x 1/2"
5907732010435	HUAŁKF1/2X3/4.601	1/2" x 3/4"

BRASS ANGLE BALL VALVE WITH FILTER AND ANTI-LIMESCALE BALL

ANTI-LIMESCALE BALL

CR CHROME

Max. pressure 1 MPa

Max. temp. 0°C +100°C

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

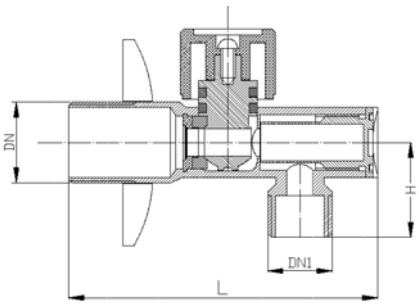
Technical data:
Max. working pressure: **1 MPa**
Working temperature: **0°C +100°C**

Compliant with:
PN-EN 13828

Reference document:
The Declaration of Perfocmance

Materials tally:
Body: Brass
Spindle and ball sealing : PTFE
Handwheel: Material
Rosette: Stainless steel
Closing element (Core): POM

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



Operating range:

Size	DN	DN1	H	L
1/2" x 3/8"	1/2"	3/8"	25	82
1/2" x 1/2"	1/2"	1/2"	27	82
1/2" x 3/4"	1/2"	3/4"	26	82

EAN	Code	Size
5907732085037	AŁKF1/2X3/8.6001AW	1/2" x 3/8"
5907732085020	AŁKF1/2X1/2.6001AW	1/2" x 1/2"
5907732085044	AŁKF1/2X3/4.6001AW	1/2" x 3/4"

ANGLE VALVE WITH CERAMIC HEAD 1001

CERAMIC HEAD CR CHROME

Max. pressure 1 MPa

Max. temp. 0°C +100°C

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

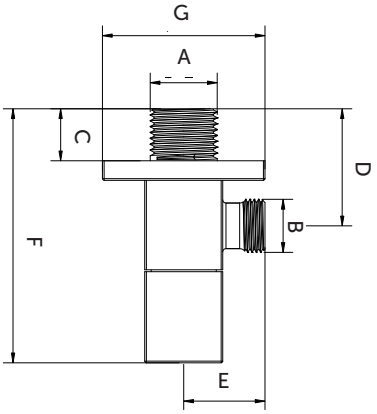
Technical data:
Max. working pressure: **1 MPa**
Working temperature: **0°C +100°C**

Compliant with:
PN-EN 13828

Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Handle: Brass
Closing element: Ceramic head
Rosette: Stainless steel

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



Operating range:

Size	A	B	C	D	E	F	G
1/2" x 3/8"	1/2"	3/8"	16	36	25	78	50
1/2" x 1/2"	1/2"	1/2''	16	36	27	78	50

EAN	Code	Size
5907732010305	AŁKO1/2X3/8.1001	1/2" x 3/8"
5907732010312	AŁKO1/2X1/2.1001	1/2" x 1/2"

ANGLE VALVE WITH CERAMIC HEAD 1002

CERAMIC HEAD CR CHROME

Max. pressure 1 MPa

Max. temp. 0°C +100°C

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

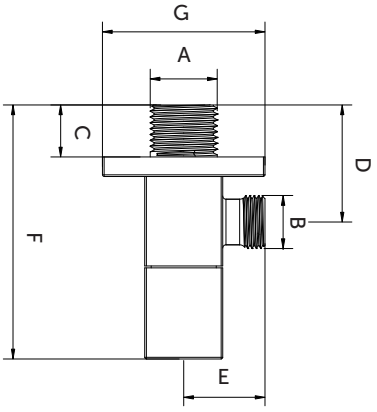
Technical data:
Max. working pressure: **1 MPa**
Working temperature: **0°C +100°C**

Compliant with:
PN-EN 13828

Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Handle: Brass
Closing element: Ceramic head
Rosette: Stainless steel

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



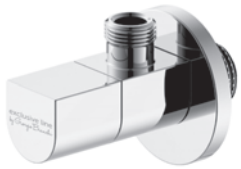
Operating range:

Size	A	tB	C	D	E	F	G
1/2" x 3/8"	1/2"	3/8"	16	38	26	79	50
1/2" x 1/2"	1/2"	1/2"	16	38	26	79	50

EAN	Code	Size
5907732010329	AŁKO1/2X3/8.1002	1/2" x 3/8"
5907732010336	AŁKO1/2X1/2.1002	1/2" x 1/2"

ANGLE VALVE WITH CERAMIC HEAD 1004

CERAMIC HEAD CR CHROME



Max. pressure 1 MPa

Max. temp. 0°C +100°C

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

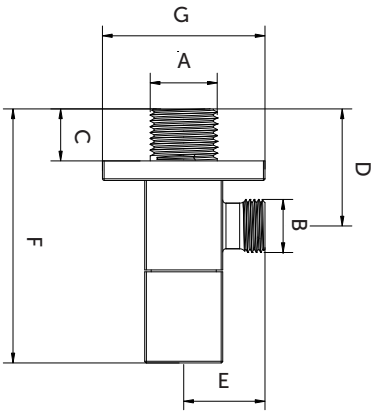
Technical data:
Max. working pressure: **1 MPa**
Working temperature: **0°C +100°C**

Compliant with:
PN-EN 13828

Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Handle: Brass
Closing element: Ceramic head
Rosette: Stainless steel

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



Operating range:

Size	A	B	C	D	E	F	G
1/2" x 3/8"	1/2"	3/8"	19	38	26	76	50
1/2" x 1/2"	1/2"	1/2''	19	38	26	76	50

EAN	Code	Size
5907732010343	AŁKO1/2X3/8.1004	1/2" x 3/8"
5907732010350	AŁKO1/2X1/2.1004	1/2" x 1/2"

ANGLE VALVE WITH CERAMIC HEAD 1007

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

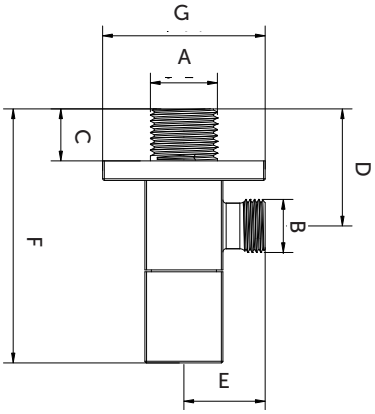
Technical data:
Max. working pressure: **1 MPa**
Working temperature: **0°C +100°C**

Compliant with:
PN-EN 13828

Reference document:
The Declaration of Perfocmance

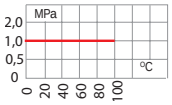
Materials tally:
Body, Handle: Brass
Closing element: Ceramic head
Rosette: Stainless steel

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



Max. pressure 1 MPa
Max. temp. 0°C +100°C

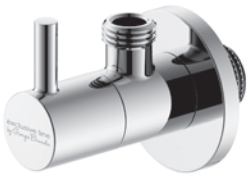
Operating range:



Size	A	B	C	D	E	F	G
1/2" x 3/8"	1/2"	3/8"	15	36	26	77	50
1/2" x 1/2"	1/2"	1/2"'	15	36	27	77	50

EAN	Code	Size
5907732010367	AŁKO1/2X3/8.1007	1/2" x 3/8"
5907732010374	AŁKO1/2X1/2.1007	1/2" x 1/2"

ANGLE VALVE WITH CERAMIC HEAD 1008



Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

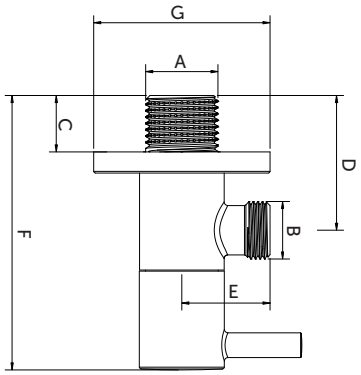
Technical data:
Max. working pressure: **1 MPa**
Working temperature: **0°C +100°C**

Compliant with:
PN-EN 13828

Reference document:
The Declaration of Perfocmance

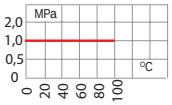
Materials tally:
Body, Handle: Brass
Closing element: Ceramic head
Rosette: Stainless steel

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



Max. pressure 1 MPa
Max. temp. 0°C +100°C

Operating range:



Size	A	B	C	D	E	F	G
1/2" x 3/8"	1/2"	3/8"	16	38	25	78	50
1/2" x 1/2"	1/2"	1/2"	16	38	27	78	50
1/2" x 3/4"	1/2"	3/4"	16	38	29	78	50

EAN	Code	Size
5907732010381	AŁKO1/2X3/8.1008	1/2" x 3/8"
5907732010398	AŁKO1/2X1/2.1008	1/2" x 1/2"
5907732086874	AŁKO1/2X3/4.1008	1/2" x 3/4"

ANGLE VALVE WITH CERAMIC HEAD RETRO 1010

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

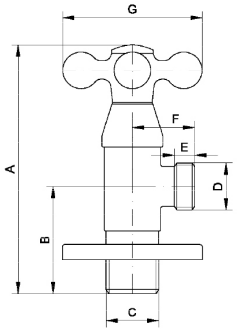
Technical data:
Max. working pressure: **1 MPa**
Working temperature: **0°C +100°C**

Compliant with:
PN-EN 13828

Reference document:
The Declaration of Perfocmance

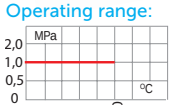
Materials tally:
Body, Spindle: Brass
Closing element: Ceramic head
Spindle sealing: PTFE
Handwheel: Brass
Rosette: Stainless steel

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



Max. pressure 1 MPa
Max. temp. 0°C +100°C

Operating range:



Size	A	B	C	D	E	F	G
1/2" x 3/8"	87	38	1/2"	3/8"	8	24	54
1/2" x 1/2"	87	38	1/2"	1/2"	10	27	54
1/2" x 3/4"	87	38	1/2"	3/4"	8	24	54

EAN	Code	Size
5907732086270	AŁKO1/2X3/8.1010	1/2" x 3/8"
5907732086256	AŁKO1/2X1/2.1010	1/2" x 1/2"
5907732086263	AŁKO1/2X3/4.1010	1/2" x 3/4"

BRASS ANGLE VALVE TYPE 1011

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Working temperature: **0°C +100°C**

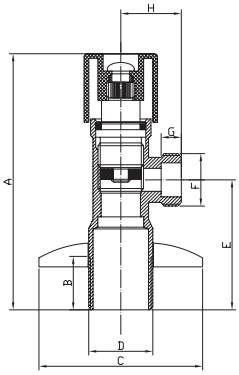
Compliant with:
PN-EN 13828

Reference document:
The Declaration of Perfocmance

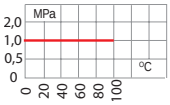
Materials tally:
Body, Spindle: Brass
Spindle sealing: EPDM
Handwheel: Brass
Rosette: Stainless steel

Max. pressure 1 MPa
Max. temp. 0°C +100°C

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



Operating range:



Size	A	B	C	D	E	F	G	H
1/2" x 3/8"	85	17	55	1/2"	43	3/8"	6	19
1/2" x 1/2"	85	18.5	55	1/2"	43	1/2"	7	22
1/2" x 3/4"	85	22.5	55	1/2"	43	3/4"	7	24

EAN	Code	Size
5907732086317	AŁKO1/2X3/8.1011	1/2" x 3/8"
5907732086294	AŁKO1/2X1/2.1011	1/2" x 1/2"
5907732086300	AŁKO1/2X3/4.1011	1/2" x 3/4"

COMBINATION ANGLE VALVE

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Working temperature: **0°C +100°C**

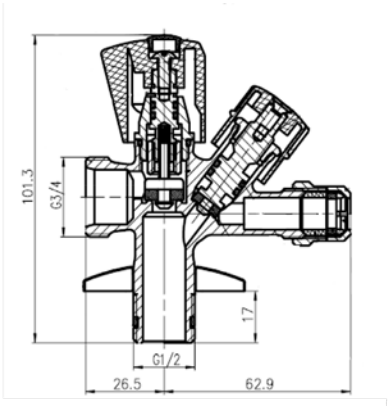
Compliant with:
PN-EN 13828

Reference document:
The Declaration of Perfocmance

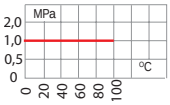
Materials tally:
Body, Spindle: Brass
Seals: PTFE, EPDM
Handwheel: Material
Rosette: Stainless steel

Max. pressure 1 MPa
Max. temp. 0°C +100°C

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 228-1:2005



Operating range:



EAN	Code	Size
5907732086430	AŁKK1/2X3/4.6021	1/2" x 3/8" x 3/4"

ANGLE BALL VALVE WITH EXTENSION

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

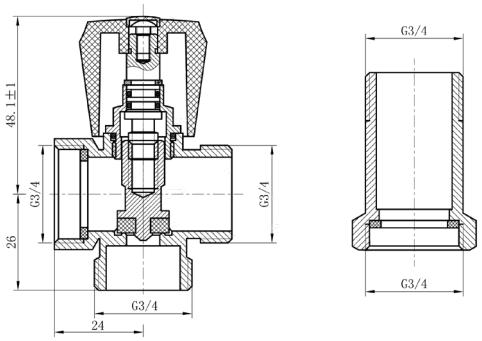
Technical data:
Max. working pressure: **1 MPa**
Working temperature: **0°C +100°C**

Compliant with:
PN-EN 13828

Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Ball, Spindle: Brass
Spindle and ball sealing : PTFE
Handle: Material
Rosette: Stainless steel

Max. pressure 1 MPa
Max. temp. 0°C +100°C



Operating range:

EAN	Code	Size
5907732088052	VIAŁKK3/4X3/4.6001	3/4" x 3/4"

BRASS BALL VALVE FOR GAS F/F

Max. pressure MOP 5(20)

Max. temp. -20°C +60°C

Use:
For gas installations.

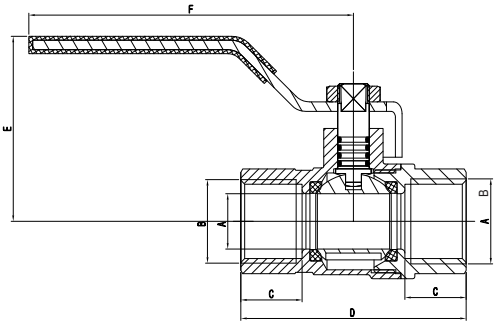
Technical data:
Max. working pressure: **MOP 5(20)**
Working temperature: **-20°C +60°C**
Mounting position: **Universal**

Compliant with:
PN-EN 331

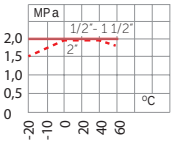
Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Ball, Spindle, Screw: Brass
Ball sealing: PTFE
Spindle sealing: NBR (O-ring 4 pcs)
Handle: Steel

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads Rp wg PN-EN 10226-1:2006



Operating range:



Size	A	B	C	D	E	F
1/2"	Ø14	1/2"	16	57	47	82
3/4"	Ø19	3/4"	17	64	49	104
1"	Ø24	1"	19	75	56	104
1 1/4"	Ø30	1 1/4"	19	81	70	112
1 1/2"	Ø37	1 1/2"	20	91	75	112
2"	Ø47	2"	21	106	89	150

EAN	Code	Size
5907732086423	KG015001.8070A4S	1/2"
5907732086416	KG020001.8070A4S	3/4"
5907732086409	KG025001.8070A4S	1"
5907732084221	KG032001.8070A4S	1 1/4"
5907732084238	KG040001.8070A4S	1 1/2"
5907732084245	KG050001.8070A4S	2"

BRASS BALL VALVE FOR GAS M/M

Max. pressure MOP 5(20)

Max. temp. -20°C +60°C

Use:
For gas installations.

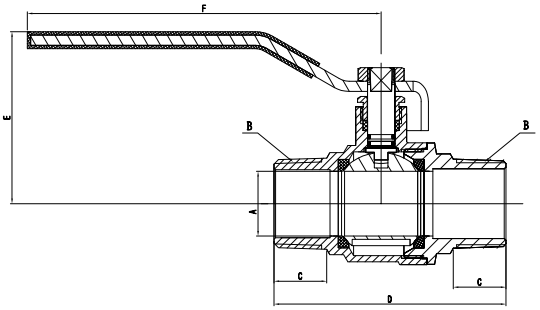
Technical data:
Max. working pressure: **MOP 5(20)**
Working temperature: **-20°C +60°C**
Mounting position: **Universal**

Compliant with:
PN-EN 331

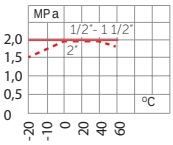
Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Ball, Spindle, Screw: Brass
Ball sealing: PTFE
Spindle sealing: NBR
Handle: Steel

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads Rp wg PN-EN 10226-1:2006



Operating range:



Size	A	B	C	D	E	F
1/2"	Ø14	1/2"	21	69	47	82
3/4"	Ø19	3/4"	19	68	49	104
1"	Ø24	1"	26	88	55	104
1 1/4''	Ø30	1 1/4"	26	96	70	112
1 1/2''	Ø37	1 1/2"	28	107	75	112
2"	Ø47	2''	26	116	89	150

EAN	Code	Size
5907732020076	KG015011.8071AMXM	1/2"
5907732020083	KG020011.8071AMXM	3/4"
5907732020090	KG025011.8071AMXM	1''
5907732020106	KG032011.8071AMXM	1 1/4"
5907732020113	KG040011.8071AMXM	1 1/2"
5907732020120	KG050011.8071AMXM	2"

BRASS BALL VALVE FOR GAS M/F WITH BUTTERFLY HANDLE

Max. pressure MOP 5(20)

Max. temp. -20°C +60°C

Use:
For gas installations.

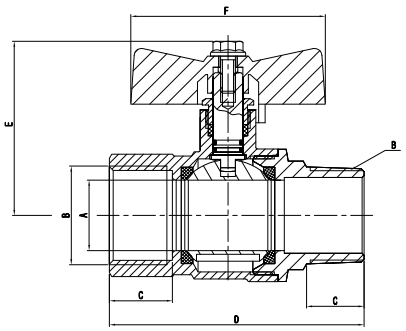
Technical data:
Max. working pressure: **MOP 5(20)**
Working temperature: **-20°C +60°C**
Mounting position: **Universal**

Compliant with:
PN-EN 331

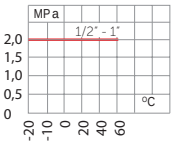
Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Ball, Spindle, Screw: Brass
Ball sealing: PTFE
Spindle sealing: NBR
Butterfly: Steel

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads Rp wg PN-EN 10226-1:2006



Operating range:



Size	A	B	C	D	E	F
1/2"	Ø14	1/2"	16	64	42	53
3/4"	Ø19	3/4"	17	69	45	53
1"	Ø24	1"	19	82	54	65

EAN	Code	Size
5907732020137	KG015022.8069A	1/2"
5907732020144	KG020022.8069A	3/4"
5907732020151	KG025022.8069A	1"

BRASS BALL VALVE FOR GAS M/F

Max. pressure MOP 5(20)

Max. temp. -20°C +60°C

Use:
For gas installations.

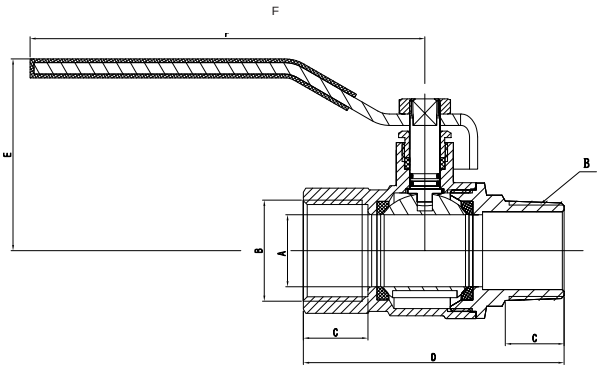
Technical data:
Max. working pressure: **MOP 5(20)**
Working temperature: **-20°C +60°C**
Mounting position: **Universal**

Compliant with:
PN-EN 331

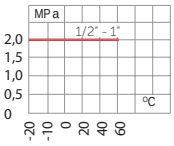
Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Ball, Spindle, Screw: Brass
Ball sealing: PTFE
Spindle sealing: NBR
Handle: Steel

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads Rp wg PN-EN 10226-1:2006



Operating range:



Size	A	B	C	D	E	F
1/2"	Ø14	1/2"	16	64	47	82
3/4"	Ø19	3/4"	17	69	49	104
1"	Ø24	1"	19	82	55	104

EAN	Code	Size
5907732020168	KG015021.8071A	1/2"
5907732020175	KG020021.8071A	3/4"
5907732020182	KG025021.8071A	1"

BRASS BALL VALVE FOR GAS WITH UNION

Max. pressure MOP 5(20)

Max. temp. -20°C +60°C

Use:
For gas installations.

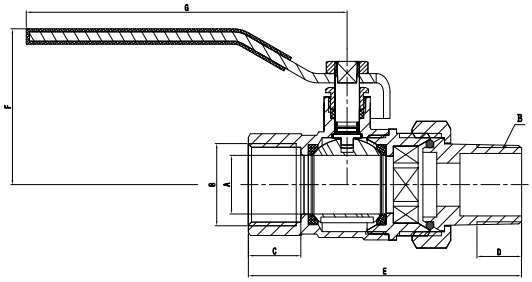
Technical data:
Max. working pressure: **MOP 5(20)**
Working temperature: **-20°C +60°C**
Mounting position: **Universal**

Compliant with:
PN-EN 331

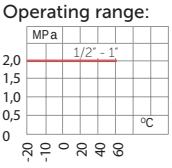
Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Ball, Spindle, Screw: Brass
Ball sealing: PTFE
Spindle sealing: NBR
Handle: Steel

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads Rp wg PN-EN 10226-1:2006



Operating range:



Size	A	B	C	D	E	F	G
1/2"	Ø14	1/2"	16	14	78	42	53
3/4"	Ø19	3/4"	16	14	89	45	53
1"	Ø24	1"	19	15	103	54	65

EAN	Code	Size
5907732020229	KG015041.8042G	1/2"
5907732020236	KG020041.8042G	3/4"
5907732020243	KG025041.8042G	1"

BRASS Y-PATTERN FILTER FOR GAS TYPE 5006G

Max. pressure MOP 5(20)

Max. temp. -20°C +60°C

Use:
For gas installations.

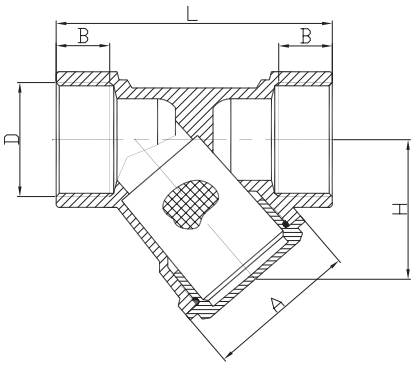
Technical data:
Max. working pressure: **MOP 5**
Working temperature: **-20°C +60°C**
Mounting position: **Universal, flow direction as marked on the body**

Compliant with:
PN-EN 331

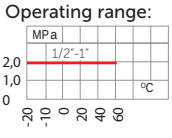
Reference document:
National Technical Assessment

Materials tally:
Body, Screw: Brass
Filter: Stainless steel
Screw sealing: PTFE

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads Rp wg PN-EN 10226-1:2006



Operating range:



Size	D	B	A	H	L
15	1/2"	16	29	34	67
20	3/4"	16	35	38	80
25	1"	18	39	46	85

EAN	Code	Size
5907732086447	AG015060.5006G	1/2"
5907732086454	AG020060.5006G	3/4"
5907732086461	AG025060.5006G	1"

BRASS BALL VALVE FOR GAS WITH STRAIGHT CONNECTION FOR GAS HOSE

Use:
For gas installations.

Technical data:
Max. working pressure: **MOP 5(20)**
Working temperature: **-20°C +60°C**
Mounting position: **Universal**

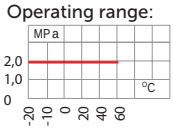
Compliant with:
PN-EN 331

Reference document:
The Declaration of Perfocmance

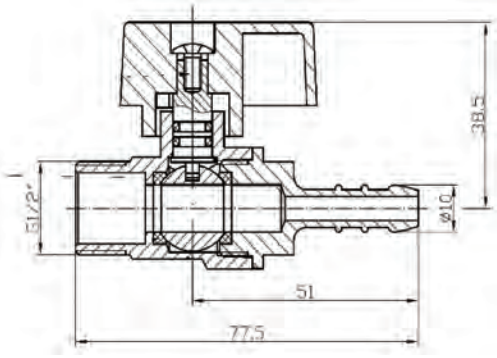
Materials tally:
Body, Ball, Spindle, Screw: Brass
Ball sealing: PTFE
Spindle sealing: NBR
Butterfly: Steel

Max. pressure MOP 5(20)
Max. temp. -20°C +60°C

Operating range:



Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads Rp wg PN-EN 10226-1:2006



EAN	Code	Size
5907732020250	KG015091.8076	1/2xDN10

BRASS BALL VALVE FOR GAS WITH STRAIGHT CONNECTION FOR GAS HOSE

Use:
For gas installations.

Technical data:
Max. working pressure: **MOP 5(20)**
Working temperature: **-20°C +60°C**
Mounting position: **Universal**

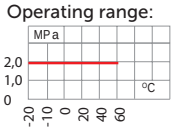
Compliant with:
PN-EN 331

Reference document:
The Declaration of Perfocmance

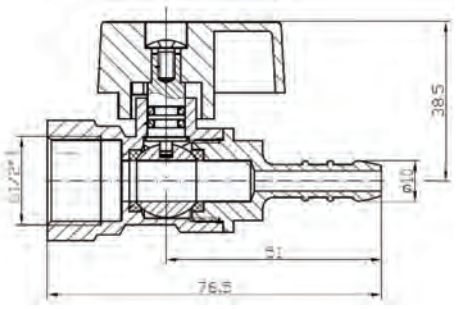
Materials tally:
Body, Ball, Spindle, Screw: Brass
Ball sealing: PTFE
Spindle sealing: NBR
Handle: Aluminium

Max. pressure MOP 5(20)
Max. temp. -20°C +60°C

Operating range:



Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads Rp wg PN-EN 10226-1:2006



EAN	Code	Size
5907732020267	KG015091.8077	1/2"xDN10

BRASS BALL VALVE FOR GAS WITH ELBOW CONNECTION FOR GAS HOSE

Use:
For gas installations.

Technical data:
Max. working pressure: **MOP 5**
Working temperature: **-20°C +60°C**
Mounting position: **Universal**

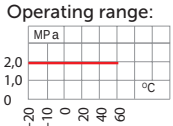
Compliant with:
PN-EN 331

Reference document:
The Declaration of Perfocmance

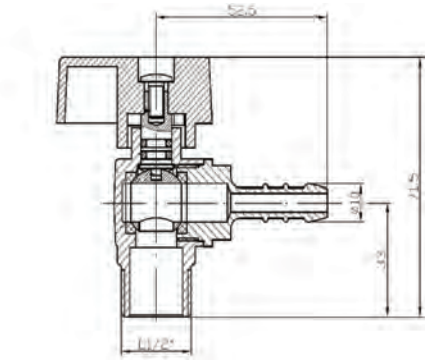
Materials tally:
Body, Ball, Spindle, Screw: Brass
Ball sealing: PTFE
Spindle sealing: NBR
Handle: Aluminium

Max. pressure MOP 5(20)
Max. temp. -20°C +60°C

Operating range:



Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads Rp wg PN-EN 10226-1:2006



EAN	Code	Size
5907732020274	KG015091.8078	1/2"xDN10

BRASS BALL VALVE FOR GAS PRE-REDUCER

Use:
For gas installations. It is installed in gas locker box, on the point of contact of the building with the installation. It is used for opening and closing gas flow in pressure reducer, which decreases gas pressure on the entrance of the installation to the building.

Technical data:
Max. working pressure: **MOP 5(20)**
Working temperature: **-40°C +60°C**
Mounting position: Universal

Compliant with:
PN-EN 331

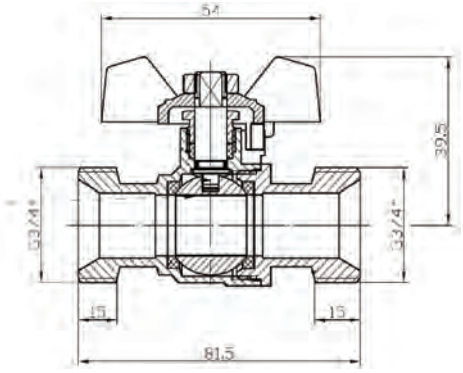
Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Ball, Spindle, Screw: Brass
Ball sealing: PTFE
Spindle sealing: NBR
Butterfly: Steel

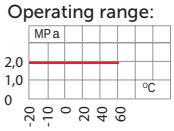
Max. pressure MOP 5(20)

Max. temp. -40°C +60°C

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads Rp wg PN-EN 10226-1:2006



Operating range:



EAN	Code	Size
590773220304	KG015011.PR	1/2" (3/4")

ANGLE ADAPTER FOR GAS BOTTLE

Use:
Stable connection of gas cylinders with devices running on gas.

Technical data:
Max. working pressure: **1,5Mpa**
Working temperature: **max 60°C**
Mounting position: **Universal**

Materials tally:
Brass

Max. pressure 1,5 Mpa

Max. temp. +60°C

EAN	Code	Size
5903263723769	AGZKGW1/2X10	1/2"

STRAIGHT ADAPTER FOR GAS BOTTLE

Use:
Stable connection of gas cylinders with devices running on gas.

Technical data:
Max. working pressure: **1,5Mpa**
Working temperature: **max 60°C**
Mounting position: **Universal**

Materials tally:
Brass

Max. pressure 1,5 Mpa

Max. temp. +60°C

EAN	Code	Size
5903263727644	AGZGW1/2X10	1/2"

REDUCTION FOR GAS BOTTLE (EXTENSION)

Use:
Stable connection of gas cylinders with devices running on gas.

Technical data:
Max. working pressure: **1,5Mpa**
Working temperature: **max 60°C**
Mounting position: **Universal**

Materials tally:
Brass

Max. pressure 1,5 Mpa

Max. temp. +60°C

EAN	Code	Size
5903263730798	AGZR3/8X1/2	1/2" x 3/8"

REDUCTION FOR GAS BOTTLE

Use:
Stable connection of gas cylinders with devices running on gas.

Technical data:
Max. working pressure: **1,5Mpa**
Working temperature: **max 60°C**
Mounting position: **Universal**

Materials tally:
Brass

Max. pressure 1,5 Mpa | Max. temp. +60°C

EAN	Code	Size
5903263727682	AGZR1/2X3/8	3/8" x 1/2"

T-PIPE FOR GAS BOTTLE

Use:
Stable connection of gas cylinders with devices running on gas.

Technical data:
Max. working pressure: **1,5Mpa**
Working temperature: **max 60°C**
Mounting position: **Universal**

Materials tally:
Brass

Max. pressure 1,5 Mpa | Max. temp. +60°C

EAN	Code	Size
5903263727675	AGZTR09	9mm

GAS HOSE

Use:
Stable connection of gas cylinders with devices running on gas.

Technical data:
Max. working pressure: **1Mpa (at 20°C)**
Working temperature: **-40°C +70°C**
Mounting position: **Universal**

Compliant with:
PN-EN 14800

Reference document:
The Declaration of Perfocmance

Materials tally:
PVC

Max. pressure 1Mpa | Max. temp. -40°C +70°C

EAN	Code	Size
5903263730859	AGWG09-50	50mb

GAS BOTTLE REGULATOR WITH HOSE AND MANOMETER

Use:
Stable connection of gas cylinders with devices running on gas.

Technical data:
Max. working pressure: **1,6 Mpa**
Working temperature: **-20°C +50°C**
Mounting position: **Universal**

Compliant with:
PN-EN 14800, EN 16129:2013

Reference document:
The Declaration of Perfocmance

Materials tally:
Stainless steel, PVC

Max. pressure 1Mpa | Max. temp. -40°C +70°C

EAN	Code	Size
5903263730873	AGZESTMAN1500	1,5mb

GAS BOTTLE REGULATOR WITH HOSE

Use:
Stable connection of gas cylinders with devices running on gas.

Technical data:
Max. working pressure: **1,6 Mpa**
Working temperature: **-20°C +50°C**
Mounting position: **Universal**

Compliant with:
PN-EN 14800, EN 16129:2013

Reference document:
The Declaration of Perfocmance

Materials tally:
Stainless steel, PVC

Max. pressure 1Mpa | Max. temp. -40°C +70°C

EAN	Code	Size
5903263724322	AGZESTGAZ1500	1,5mb
5903263730866	AGZESTGAZ2500	2,5mb

FLEXIBLE GAS HOSE TYPE 111

Use:
It is used for connecting various devices running on gas, such as wall-hung and floor-standing boilers, water heaters, patio heaters etc.

Technical data:
Max. working pressure: **0,05Mpa**
Working temperature: **+60°C**
Mounting position: **Universal**

Compliant with:
PN-EN 14800

Reference document:
The Declaration of Perfocmance

Materials tally:
Wire: Stainless steel, Coating: PCV,
Cups: Brass, Seals: NBR

EAN	Code	Size
5907573471815	10T1115403050	50 cm
5907573471822	10T1115403075	75 cm
5907573471839	10T1115403100	100 cm
5907573471846	10T1115403125	125 cm
5907573471853	10T1115403150	150 cm
5907573471860	10T1115403200	200 cm

FLEXIBLE GAS HOSE WITH ELBOW FITTING TYPE 114

Use:
It is used for connecting various devices running on gas, such as wall-hung and floor-standing boilers, water heaters, patio heaters etc.

Technical data:
Max. working pressure: **0,05Mpa**
Working temperature: **+60°C**
Mounting position: **Universal**

Compliant with:
PN-EN 14800

Reference document:
The Declaration of Perfocmance

Materials tally:
Wire: Stainless steel, Coating: PCV,
Cups: Brass, Seals: NBR

EAN	Code	Size
5907573475257	10T1145403050	50 cm
5907573475264	10T1145403075	75 cm
5907573475271	10T1145403100	100 cm
5907573475288	10T1145403125	125 cm
5907573475295	10T1145403150	150 cm
5907573475301	10T1145403200	200 cm

FLEXIBLE GAS HOSE WITH QUICK COUPLING TYPE 113

Use:
It is used for connecting various devices running on gas, such as wall-hung and floor-standing boilers, water heaters, patio heaters etc.

Technical data:
Max. working pressure: **0,05Mpa**
Working temperature: **+60°C**
Mounting position: **Universal**

Compliant with:
PN-EN 14800

Reference document:
The Declaration of Perfocmance

Materials tally:
Wire: Stainless steel, Coating: PCV,
Cups: Brass, Seals: NBR

EAN	Code	Size
5907573472799	10P1135403050	50 cm
5907573472805	10P1135403075	75 cm
5907573472812	10P1135403100	100 cm
5907573472829	10P1135403125	125 cm
5907573472836	10P1135403150	150 cm
5907573472843	10P1135403200	200 cm

GAS HOSE KAS-FLEX

Use:
It is used for connecting various devices running on gas, such as wall-hung and floor-standing boilers, water heaters, patio heaters etc.

Technical data:
Max. working pressure: **0,05Mpa**
Working temperature: **-20°C + 120°C**
Mounting position: **Universal**

Reference document:
The Declaration of Perfocmance

Materials tally:
Wire: Stainless steel, Cups: Brass

EAN	Code	Size	Długość
5907573474786	GR1/2FML0200	G1/2 x G1/2	200-400 mm
5907573474809	GR1/2FML0300	G1/2 x G1/2	300-600 mm
5907573474908	GR3/4FML0200	G3/4 x G3/4	200-400 mm
5907573474922	GR3/4FML0300	G3/4 x G3/4	300-600 mm

DIFFERENTIAL VALVE FOR PUMP

Max. pressure 0,6 MPa

Max. temp. 0°C +100°C

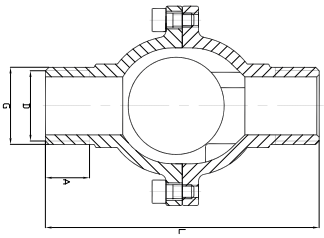
Use:
It is used for industrial installation and central heating with forced water circulation systems - the valve protects circulation pump against overheating and too high pressure as a consequence of forced circulation breaking (valve opens automatically when the pump is stopped).

Technical data:
Max. working pressure: **0,6 MPa**
Working temperature: **0°C +100°C**
Mounting position: **Vertically as shown in the picture**

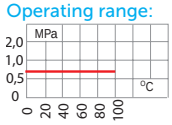
Reference document:
The Declaration of Perfocmance

Materials tally:
Body: Cast iron EN GJL-250
Ball: NBR
Seal: NBR

Annotation:
- Elements are made from drop forged semi-products and rod
- Pipe threads G wg PN-EN ISO 226-1:2006



Operating range:



DN	D	G	L	A
25	Ø 25	1"	110	19
32	Ø 32	1 1/4"	118	22
40	Ø 40	1 1/2"	138	24
50	Ø 50	2"	144	25

EAN	Code	DN
5906489905599	ZRCO025	1"
5906489905605	ZRCO032	1 1/4"
5906489905612	ZRCO040	1 1/2"
5906489905629	ZRCO050	2"

VERTICAL BYPASS FOR CENTRAL HEATING SYSTEM

Max. pressure 0,6 MPa

Max. temp. 0°C +90°C

Use:
It is used for industrial installation and central heating with forced water circulation systems - the valve protects circulation pump against overheating and too high pressure as a consequence of forced circulation breaking (valve opens automatically when the pump is stopped).

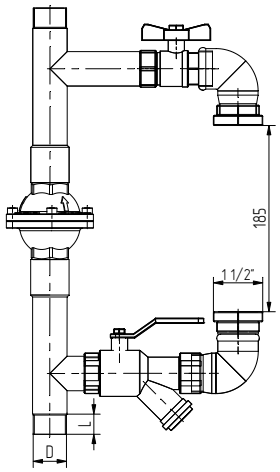
Pump type:
The set is adapted to domestic circulation pumps POr type, with 180mm distance between connections. There is possible to order a set with different dimensions indyvidually.

Technical data:
Max. working pressure: **0,6 MPa**
Working temperature: **0°C +90°C (chwilowa +100°C)**
Mounting position: **vertical, horizontal (as agreed with the installer) - flow direction as marked on the body**

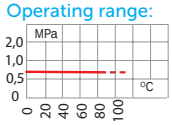
Reference document:
The Declaration of Perfocmance

Materials tally:
Differential valve: Cast iron, NBR
Shut-off valve with filter: Brass
Circulation pump mounting union: Cast iron
Shut-off valve: Brass
Pipes: Steel S235

Annotation:
- Pipe threads G wg PN-EN ISO 226-1:2006



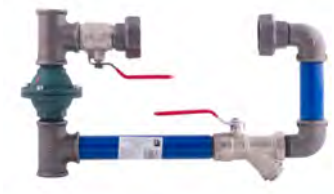
Operating range:



DN	D	L mm
25	1"	16
32	1 1/4"	19
40	1 1/2"	19
50	2"	23

EAN	Code	DN
5906489905704	ZRP25	1"
5906489905711	ZRP32	1 1/4"
5906489905728	ZRP40	1 1/2"
5906489905735	ZRP50	2"

HORIZONTAL BYPASS FOR CENTRAL HEATING SYSTEM



Max. pressure 0,6 MPa

Max. temp. 0°C +90°C

Use:
It is used for industrial installation and central heating with forced water circulation systems - the valve protects circulation pump against overheating and too high pressure as a consequence of forced circulation breaking (valve opens automatically when the pump is stopped).

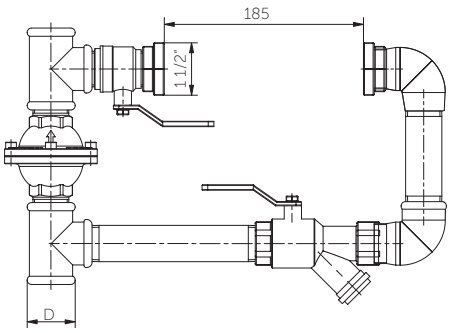
Pump type:
The set is adapted to domestic circulation pumps POr type, with 180mm distance between connections. There is possible to order a set with different dimensions indyvidually.

Technical data:
Max. working pressure: **0,6 MPa**
Working temperature: **0°C +90°C (momentary +100°C)**
Mounting position: **vertical, horizontal (as agreed with the installer) - flow direction as marked on the body**

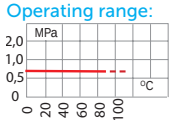
Reference document:
The Declaration of Perfocmance

Materials tally:
Differential valve: Cast iron, NBR
Shut-off valve with filter: Brass
Circulation pump mounting union: Cast iron
Shut-off valve: Brass
Pipes: Steel S235

Annotation:
- Pipe threads G wg PN-EN ISO 226-1:2006



Operating range:



DN	D
25	1"
32	1 1/4"
40	1 1/2"
50	2"

EAN	Code	DN
5906489935787	ZRPP25	1"
5906489939129	ZRPP32	1 1/4"
5906489940750	ZRPP40	1 1/2"
5906489940767	ZRPP50	2"

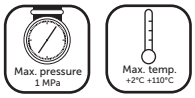
ELECTRIC CIRCULATING PUMP

Use:
Energy efficient circulation pump is designed to force the circulation of the heating medium in water heating systems.

Type pompy:
Circulation pump type POr with connections distance 180mm

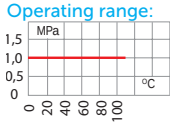
Technical data:
Max. working pressure: **1,0 MPa**
Working temperature: **min +2°C max +110°C**
Mounting position: **Impeller must be placed horizontally.**

Reference document:
The Declaration of Perfocmance



Technical specifications		
Model	RS 25/4EAB	RS 25/6EAB
Vertical lift level	max. 4m	max. 6m
Heating medium flow	max. 2,3 m^3/h	max. 3,1 m^3/h
Heating medium temperature	min. +2°C, max. +110°C	
Type of heating medium	Clear, without any solids and oily mineral substances, non-viscous, chemically neutral, with parameters similar to water	
Max. pressure	10 bar	10 bar
Degree of protecion	IP44	
Voltage	50 Hz, 230V	
Power consumption	5-22 W	5-45 W
Connections distance	180 mm	
Connection	1 1/2"	
Ambient temperature	min. +2°C, max. +40°C	

Operating range:



EAN	Code	Model
5906489938399	POTYPHOONRS25/4EAB	RS 25/4EAB
5906489938382	POTYPHOONRS25/6EAB	RS 25/6EAB

NOVA TEC STANDARD PLUS ELECTRIC WATER HEATER

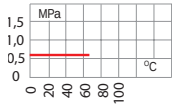
Use:
It is used for heating water

Technical data:
Maximum power: **2 kW**
Heater power: **2000 W**
Insulation: **polyurethane foam**
Type: **Electric**
Type of installation: **Vertical**
Working temperature: **from 38 °C to 75 °C**
Color: **White**
Thermostat: **mechanical**

Reference document:
The Declaration of Perfocmance

Model	Capacity	Moc	Heating time 65°C	Depth	Height
ER 35	35l	2 kW	75 m	460 mm	440 mm
ER 50	50l		108 m.		570 mm
ER 80	80l		170 m.		750 mm
ER IOO	100l		215 m.		958 mm

Operating range:



EAN	Code	Model
5903263730675	EPWT030V	35 litrów
5903263730705	EPWT200W	100 litrów

WATER METER

Use:
For cold water - type JS.
For hot water - type JS 90.
Intended for measuring volume of drinking and industrial water, and water in closed cycle systems

Technical data:
Max. pressure: **16 bar**
Max. working temperature: **cold water 50°C**
hot water 90°C

Compliant with:
PN-EN 14154-1:2005

Reference document:
Declaration of Conformity

EAN	Code	Model
5908237900054	WOPJS1.6-02(06)	1/2" ZW-JS1,6-02 (06)
5908237900351	WOPJS2.5-02M	1/2"ZW-1,5M JS2.5-02M
5908237900412	WOPJS4-G1M	3/4"ZW-1,5M JS4-03M
5908237900337	WOPJS1.6-02M	1/2"-1 JS1.6-02M
5908237900061	WOPJS901.6-02(06)	1/2" CW-JS901,6-02 (06)
5908237900368	WOPJS902.5-02M	1/2"CW-1,5M JS90-2.5-02M
5908237900429	WOPJS902.51GM	3/4"CW-1,5M JS90-2.5-02M
5908237900344	WOPJS901.6-02M	1/2"CW-1M JS90-1.6-02M

SYSTEM IDMAR®PEX

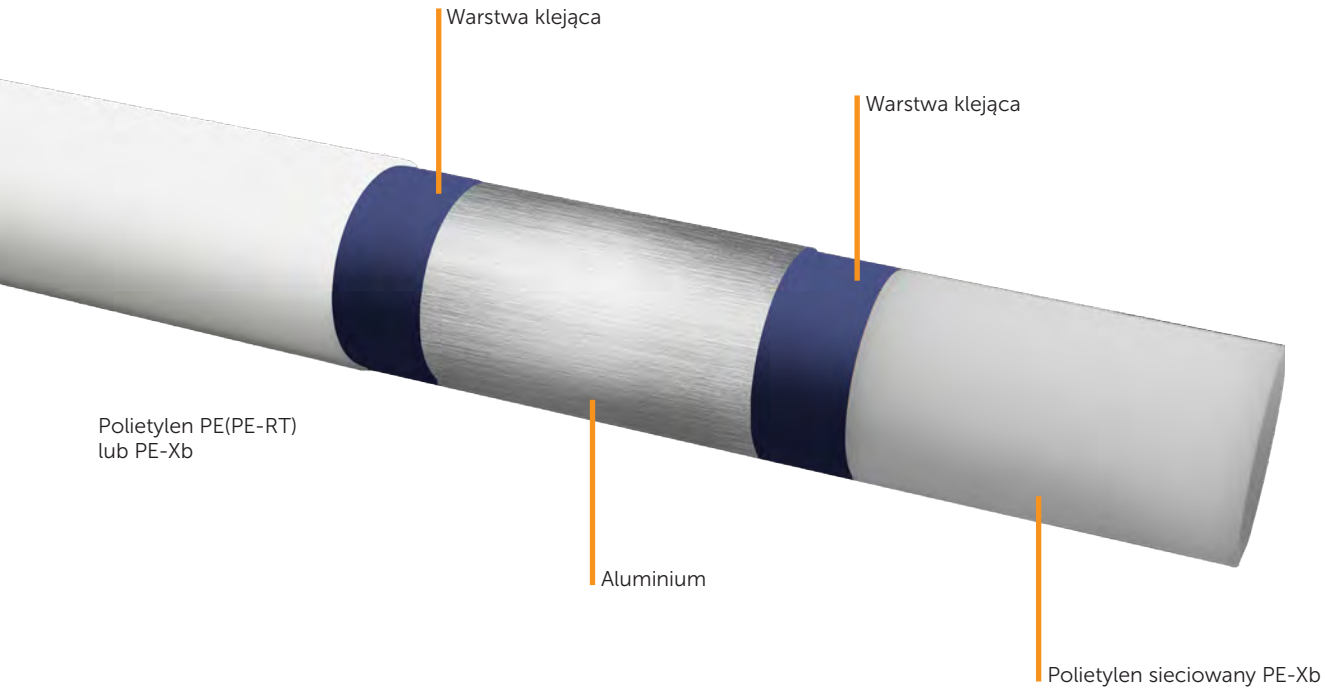
PIPES
SCREW SYSTEM
PRESS SYSTEM
PEX ACCESORIES

FOR MODERNIZATION AND NEW INSTALLATIONS

The IDMAR®PEX System is a modern and economic installation technique solution that ensures qtuick and easy assembly while its universality allows to make a connection with any installation system available. Multilayer pipes are made from high durability plastic and their structure prevents the creation of scale inside installation and significantly extends its lifespan. The IDMAR®PEX System is resistant to long-term action of pressure and high temperature. The IDMAR®PEX multilayer pipes are the cutting-edge solution of installation technique. It is a plastic with high durability and lifespan that are resistant to long-term action of pressure and high temperature.

PIPES:

The IDMAR®PEX multilayer pipes are made from five layers connected with each other. The core of aluminium layer that constitutes as anti-diffusion barrier and limiter to thermal expansion of a pipe is connected to layers of polyethylene resistant to action of high temperatures using two layers of adhesive. Thanks to this structure, the pipes combine advantages of plastics and metal. The best materials and components combined with laser systems of connecting aluminium reinforcement are used to manufacture the IDMAR®PEX SYSTEM multilayer pipe and put the product in the qualitative lead of this market segment. Currently, 90% of multilayer pipes available on Polish market are pipes with end-jointed reinforcement, which during use and assembly are exposed to internal defects that cause leaks.



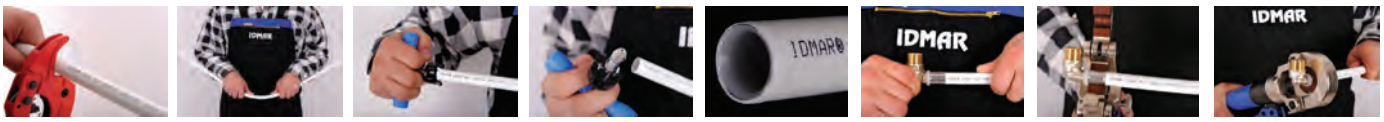
PIPE TYPES
In our offer, we possess the following types of IDMAR®PEX System pipes:
- PE-Xb/AL/PE-Xb in sizes 16 mm - 20 mm
- PE-Xb/AL/PE (PE-RT) in sizes 16 mm - 25 mm

Properties of IDMAR®PEX multilayer pipes:
- max. working temperature: 95°C,
- max. working pressure: 1,0 MPa ,
- high thermal conductivity coefficient: 0.45W/mK,
- linear expansion coefficient: 0.025mm/mK,
- minimum bending radius of the pipe:
    - manual bending: 5xD (D - pipe diameter),
    - Bending by spring: 2,5xD,
- absolute roughness: 0.005 mm - thanks to this property we acquire small water flow resistance

IDMAR®PEX PRESS SYSTEM

Without doubt, the advantage of this is system is exceptionally quick, simple and reliable assembly done using specialist tools (without need to tighten them). Precise tools press the connector on a pipe with complete clamping control. After making the clamp, check the EPDM O-rings that seal the connection using a metal sleeve. The construction solutions utilised by the IDMAR Company ensure high connector durability. Such structure ensures its correctness. The connectors are made from brass alloy. The pipe is pressed to two connectors and ensures a correct, tight, and long-term operation of installation under a layer of concrete, plaster, or other surface layers. Please remember that in the event of using connectors with threaded ends only Teflon tape can be used for sealing purposes - do not use tow and sealing pastes. The connectors were examined for compliance with standard PN-EN ISO 21003 - Piping systems made from multilayer pipes for hot- and cold-water installations inside buildings.

ASSEMBLY INSTRUCTIONS (SHORTENED)



1. Cutting a Multilayer Pipe
The pipe cutting plane should be perpendicular to pipe's axis. For that purpose, use knives or rotary cutters that guarantee a perpendicular and straight cutting plane.
2. Bending of multilayer pipe
Wires can be vent in various directions under the condition of maintaining the minimum bend dlameter (manually: 5xD, with spring: 2.5xD, D - diameter). A particular attention should be paid to ensuring that the pipe is not flattened in the point of bending.
3. Calibration and chamfering
Calibrate the pipe (give it a circular shape) and chamfer its internal ends (remove sharp edges to prevent damage to O-rings while sliding the connector inside). The IDMAR® PEX SYSTEM has in its offer a special tool that simultaneously chamfers and calibrates pipe and reduces assembly time, as well as ensures optimal preparation of surface for connector.
4. Mounting the fitting on the pipe
Press the pipe in the connector to the stop - the pipe's end should be visible in inspection openings placed at the sleeve's end.
5. Preparation for crimping
The PEX system uses stones with U-type clamping profile for clamped connections. Clamp mounted on a pipe should be placed in clamping jaws in such a way that the jaw's edge touches the plastic ring placed on the connector.
6. Clamping the connection
Close the jaws and tighten the connector until the jaws are completely closed.

IDMAR®PEX SCREW SYSTEM

The basic advantage of stranded system is the lack of need for specialist and costly assembly tools. There is also a possibility to connect and disconnect system elements multiple times without using additional seals. All you have to do is organoleptically check whether parts of connector are suitable for reuse. The assembly is done by tightening the nut on connector while simultaneously tightening the ring on a pipe. The pipe tightens on the connector and seals itself through two EPDM O-rings. In that way we acquire a tight and durable connection. The IDMAR Company has designed a reinforced twisted system. Thanks to the appropriate structure and use of thickened walls (in places most exposed to damage), the system is exceptionally resistant to twisting, bending, and tearing during use. The connectors were examined for compliance with standard PN-EN ISO 21003 - *Piping systems made from multilayer pipes for hot- and cold-water installations inside buildings.*

ASSEMBLY INSTRUCTIONS (SHORTENED)

1. **Cutting a Multilayer Pipe**
The pipe cutting plane should be perpendicular to pipe's axis. For that purpose, use knives or rotary cutters that guarantee a perpendicular and straight cutting plane.
2. Bending of multilayer pipe
Wires can be vent in various directions under the condition of maintaining the minimum bend diameter (manually: 5xD, with spring: 2.5xD, D - diameter). A particular attention should be paid to ensuring that the pipe is not flattened in the point of bending.
3. Calibration and chamfering
Next, calibrate the pipe (give it a circular shape) and chamfer its internal ends (remove sharp edges to prevent damage to O-rings while sliding the connector inside). The IDMAR® PEX System has in its offer a special tool that simultaneously chamfers and calibrates pipe and reduces assembly time, as well as ensures optimal preparation of surface for connector.
4. Mounting the fitting on the pipe
Press nut and clamping ring on the pipe's end. Then press the pipe in the connector to the stop. Move the clamping ring along with nut towards the connector and manually tighten the connection.
5. Twisting the coupler
Tighten the nut on connector using keys - first key is embedded on the fitting and second key – on the nut. Twisting results in the ring tightening under the nut and sealing the connection.
6. Ready connection
Close the jaws and tighten the connector until the jaws are completely closed.

MULTILAYER PIPE

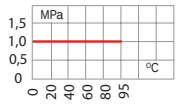
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Compliant with:
PN-EN ISO 21003

Reference document:
The Declaration of Perfocmance

Materials tally:
Polietylen, Aluminium, Polietylen

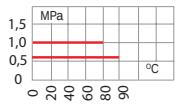
Operating range:



Technical data:
Max. working pressure: **1 MPa**
Max. working temperature: **+95°C**
Mounting position: **Universal**

EAN	Code	Size
5907732046137	PEXRUPE16-100	16 x 2,0mm
5907732084429	PEXRUPE16-200	16 x 2,0mm
5907732045024	PEXRPE20-100	20 x 2,0mm
5907732047417	PEXRPE25-50	25 x 2,5mm

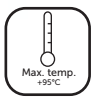
Operating range:



Technical data:
Max. working pressure: **1 MPa / 0,6 MPa**
Max. working temperature: **+90°C / +80°C**
Mounting position: **Universal**

EAN	Code	Size
5907732046267	HUPEXRUPE16-100	16 x 2,0mm
5907732087018	HUPEXRUPE16-200	16 x 2,0mm
5907732086393	HUPEXRUPE20-100	20 x 2,0mm

ELBOW



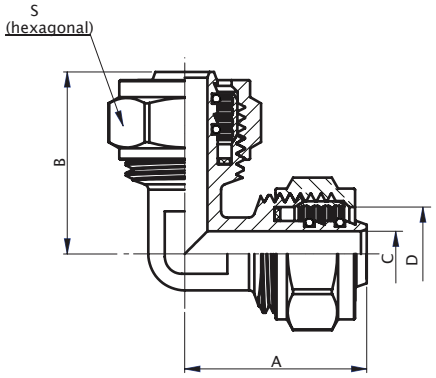
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Max. working temperature: **+95°C**
Mounting position: **Universal**

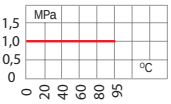
Compliant with:
PN-EN ISO 21003

Reference document:
The Declaration of Perfocmance

Materials tally:
Brass, Steel, Material



Operating range:



Size	A	B	C	D	S
16 x 16	33	33	8	17	24 x 14
20 x 20	38	38	12	21	29 x 15
25 x 25	45	45	16	26	35 x 16
20 x 16	38	33	8	21/17	-

EAN	Code	Size
5907732045208	PEXSSK16.4013	16mm x 16mm
5907732045222	PEXSSK20.4013	20mm x 20mm
5907732047264	PEXSSK25.4013	25mm x 25mm
Reduction		
5907732046175	PEXSSKR20X16.4016	20mm x 16mm

ELBOW WITH INNER THREAD

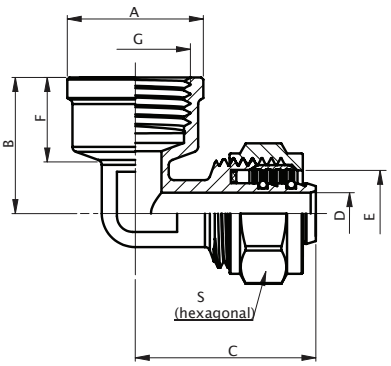
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Max. working temperature: **+95°C**
Mounting position: **Universal**

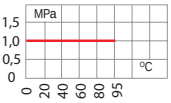
Compliant with:
PN-EN ISO 21003

Reference document:
The Declaration of Perfocmance

Materials tally:
Brass, Steel, Material



Operating range:



Size	A	B	C	D	E	F	G	S
16 x 1/2"	26	26	34.5	8	16.5	16	1/2"	24 x 14
16 x 3/4"	32	28	38	8	16,5	17,5	3/4"	24 x 14
20 x 1/2"	26	29.5	34.5	11.5	20.5	17	1/2"	29 x 15
20 x 3/4"	32	31	38	11.5	20.5	17.5	3/4"	29 x 15
25 x 3/4"	32	33	39	15.5	25.5	18	3/4"	35 x 16
25 x 1"	41	36	43	15,5	25,5	20	1''	35 x 16

EAN	Code	Size
5907732045239	PEXSSKGW16X015.4014	16mm x 1/2"
5907732047318	PEXSSKGW16X020.4014	16mm x 3/4"
5907732045253	PEXSSKGW20X015.4014	20mm x 1/2"
5907732045260	PEXSSKGW20X020.4014	20mm x 3/4"
5907732087444	PEXSSKGW25X020.4014	25mm x 3/4"
5907732047301	PEXSSKGW25X025.4014	25mm x 1"

ELBOW WITH OUTER THREAD

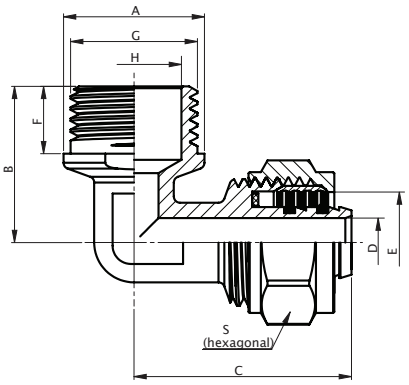
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Max. working temperature: **+95°C**
Mounting position: **Universal**

Compliant with:
PN-EN ISO 21003

Reference document:
The Declaration of Perfocmance

Materials tally:
Brass, Steel, Material



Max. pressure 1 MPa

Max. temp. +95°C

Operating range:

Size	A	B	C	D	E	F	G	H	S
16 x 1/2"	23	25.5	35.5	8	16.5	16	1/2"	16	24 x 14
16 x 3/4"	23	25	37	8	20	16	3/4"	20	29 x 15
20 x 1/2"	23	28.5	35.5	11.5	20.5	20	1/2"	16	29 x 15
20 x 3/4"	29	28.5	37.5	11.5	20.5	20	3/4"	20.5	29 x 15
25 x 3/4"	29	32	40	15.5	25.5	12	3/4"	20.5	35 x 15
25 x 1"	32	33	44	15	25	26	1''	25	35 x 16

EAN	Code	Size
5907732045277	PEXSSKGZ16X015.4015	16mm x 1/2"
5907732045291	PEXSSKGZ20X015.4015	20mm x 1/2"
5907732045307	PEXSSKGZ20X020.4015	20mm x 3/4"
5907732047295	PEXSSKGZ25X020.4015	25mm x 3/4"
5907732047288	PEXSSKGZ25X025.4015	25mm x 1"

DROP EAR ELBOW WITH INNER THREAD

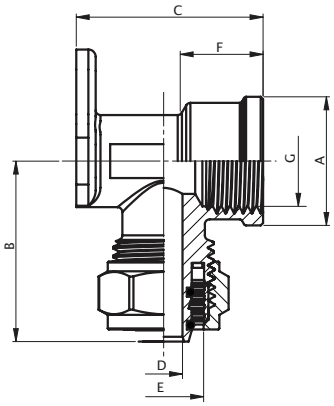
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Max. working temperature: **+95°C**
Mounting position: **Universal**

Compliant with:
PN-EN ISO 21003

Reference document:
The Declaration of Perfocmance

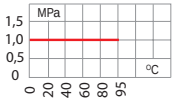
Materials tally:
Brass, Steel, Material



Max. pressure 1 MPa

Max. temp. +95°C

Operating range:



Size	A	B	C	D	E	F	G	S
16 x 1/2"	27	34	36.5	8	16.5	17	1/2"	24 x 14
20 x 1/2"	27	37	39,5	11,5	20.5	17	1/2"	29 x 15
20 x 3/4"	33	40	41,5	11.5	20.5	18	3/4"	29 x 15

EAN	Code	Size
5907732045314	PEXSSKU16X015.4029	16mm x 1/2"
5907732045338	PEXSSKU20X015.4029	20mm x 1/2"
5907732045345	PEXSSKU20X020.4029	20mm x 3/4"

T-PIPE

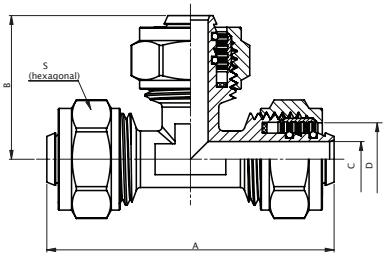
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Max. working temperature: **+95°C**
Mounting position: **Universal**

Compliant with:
PN-EN ISO 21003

Reference document:
The Declaration of Perfocmance

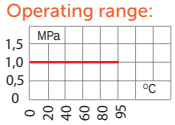
Materials tally:
Brass, Steel, Material



Max. pressure 1 MPa

Max. temp. +95°C

Operating range:



Size	A	B	C	D	S
16 x 16 x 16mm	65	33	8	17	24 x 14
20 x 20 x 20mm	70	35	12	21	29 x 15
25 x 25 x 25mm	81	41	16	25	35 x 16

EAN	Code	Size
5907732045352	PEXSST16.4021	16 x 16 x 16mm
5907732045376	PEXSST20.4021	20 x 20 x 20mm
5907732047431	PEXSST25.4021	25 x 25 x 25mm

REDUCTION T-PIPE

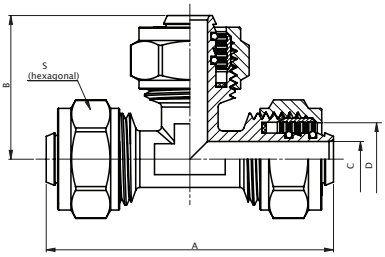
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Max. working temperature: **+95°C**
Mounting position: **Universal**

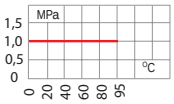
Compliant with:
PN-EN ISO 21003

Reference document:
The Declaration of Perfocmance

Materials tally:
Brass, Steel, Material



Operating range:



Size	A	B	C	D	S
16 x 20 x 16mm	65	35	8	17	24 x 14
20 x 16 x 20mm	78	34	12	21	29 x 15
25 x 16 x 25mm	90	38	16	25	35 x 16
25 x 20 x 25mm	90	38	16	25	35 x 16

EAN	Code	Size
5907732087451	PEXSSTR16X20.4024	16 x 20 x 16mm
5907732045437	PEXSSTR20X16.4024	20 x 16 x 20mm
5907732047475	PEXSSTR25X16.4024	25 x 16 x 25mm
5907732047468	PEXSSTR25X20.4024	25 x 20 x 25mm

T-PIPE WITH INNER THREAD

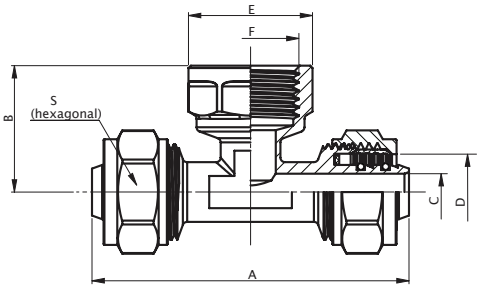
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Max. working temperature: **+95°C**
Mounting position: **Universal**

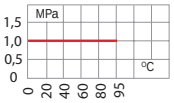
Compliant with:
PN-EN ISO 21003

Reference document:
The Declaration of Perfocmance

Materials tally:
Brass, Steel, Material



Operating range:



Size	A	B	C	D	E	F	S
16 x 1/2" x 16	69	27.5	8	16.5	27	1/2"	24 x 14
16 x 3/4" x 16	69	27.5	8	16.5	32	3/4"	24 x 14
20 x 1/2 x 20	71	29	11.5	20.5	27	1/2 "	29 x 15
20 x 3/4" x 20	75	29	11.5	20.5	33	3/4"	29 x 15
25 x 1" x 25	85	35	15	25	41.5	1"	35 x 16

EAN	Code	Size
5907732045383	PEXSSTGW16X015.4022	16 x 1/2" x 16 mm
5907732047394	PEXSSTGW16X020.4022	16 x 3/4'' x 16 mm
5907732045390	PEXSSTGW20X015.4022	20 x 1/2" x 20 mm
5907732045406	PEXSSTGW20X020.4022	20 x 3/4" x 20 mm
5907732047400	PEXSSTGW25X025.4022	25 x 1" x 25 mm

T-PIPE WITH OUTER THREAD

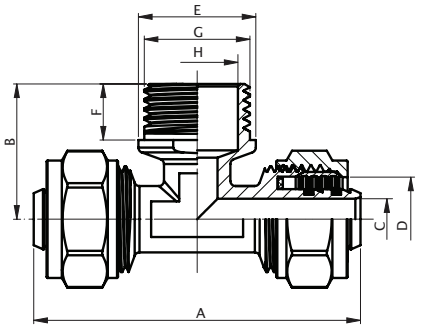
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Max. working temperature: **+95°C**
Mounting position: **Universal**

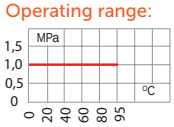
Compliant with:
PN-EN ISO 21003

Reference document:
The Declaration of Perfocmance

Materials tally:
Brass, Steel, Material



Operating range:



Size	A	B	C	D	E	F	G	H	S
16 x 1/2" x 16	64	26.5	8	16.5	23	13	1/2"	16	24 x 14
16 x 3/4" x 16	70	31	8.5	16.5	28.5	14	3/4"	21	24 x 14
20 x 1/2" x 20	69	29.5	11.5	20.5	23	13	1/2"	16	29 x 15
20 x 3/4" x 20	73	31	12	20.5	29	14	3/4"	21	29 x 15
25 x 1" x 25	76	39	15	25	36.5	16	1"	26	35 x 16

EAN	Code	Size
5907732045413	PEXSSTGZ16X015.4023	16 x 1/2" x 16 mm
5907732087482	PEXSSTGZ16X020.4023	16 x 3/4" x 16 mm
5907732087499	PEXSSTGZ20X015.4023	20 x 1/2" x 20 mm
5907732045420	PEXSSTGZ20X020.4023	20 x 3/4" x 20 mm
5907732047387	PEXSSTGZ25X025.4023	25 x 1'' x 25 mm

STRAIGHT COUPLER

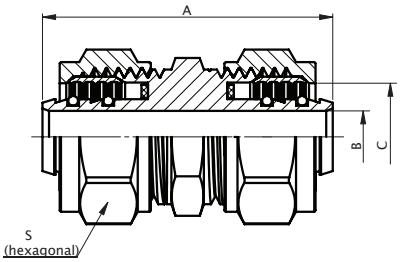
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Max. working temperature: **+95°C**
Mounting position: **Universal**

Compliant with:
PN-EN ISO 21003

Reference document:
The Declaration of Perfocmance

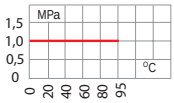
Materials tally:
Brass, Steel, Material



Max. pressure 1 MPa

Max. temp. +95°C

Operating range:



Size	A	B	C	S
16 x 16	44.5	8	16.5	24 x 14
20 x 16	45	8/11.5	16.5/20	25 x 15
20 x 20	46	11.5	20.5	29 x 15
25 x 20	46	11.5/15	20.5/25.5	35 x 35
25 x 25	46	15	20.5	35 x 35

EAN	Code	Size
5907732045444	PEXSSZ16.4005	16mm x 16mm
5907732045451	PEXSSZ20.4005	20mm x 20mm
5907732047202	PEXSSZ25.4005	25mm x 25 mm
Reduction		
5907732046168	PEXSSZR20X16.4008	20mm x 16mm
5907732042219	PEXSSZR20X20.4008	25mm x 20mm

STRAIGHT COUPLER WITH INNER THREAD

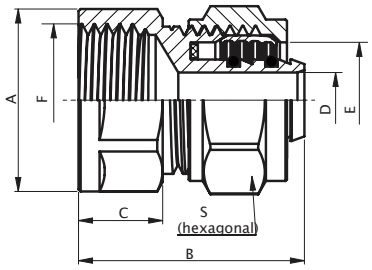
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Max. working temperature: **+95°C**
Mounting position: **Universal**

Standards:
PN-EN ISO 21003

Reference document:
The Declaration of Perfocmance

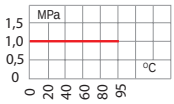
Materials tally:
Brass, Steel, Material



Max. pressure 1 MPa

Max. temp. +95°C

Operating range:



Size	A	B	C	D	E	F	S
16 x 1/2"	26	32	12	8	16.5	1/2"	24 x 14
16 x 3/4"	33	35	14	8	16	3/4"	24 x 14
20 x 1/2"	26	34.5	12	11.5	20.5	1/2"	29 x 15
20 x 3/4"	33	35.5	14	11.5	20.5	3/4"	29 x 15
25 x 3/4"	33	37	14	15.5	25.5	3/4"	35 x 16
25 x 1"	44	37	16.	15	25	1"	35 x 16

EAN	Code	Size
5907732045468	PEXSSZGW16X015.4006	16mm x 1/2"
5907732046182	PEXSSZGW16X020.4006	16mm x 3/4"
5907732045482	PEXSSZGW20X015.4006	20mm x 1/2"
5907732045499	PEXSSZGW20X020.4006	20mm x 3/4"
5907732047448	PEXSSZGW25X020.4006	25mm x 3/4''
5907732047257	PEXSSZGW25X025.4006	25mm x 1''

STRAIGHT COUPLER WITH OUTER THREAD

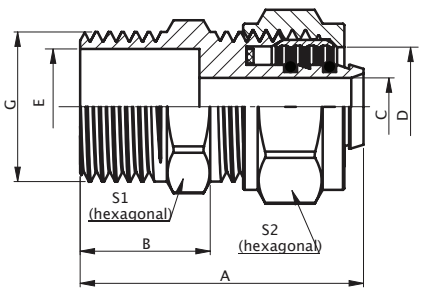
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Max. working temperature: **+95°C**
Mounting position: **Universal**

Compliant with:
PN-EN ISO 21003

Reference document:
The Declaration of Perfocmance

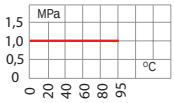
Materials tally:
Brass, Steel, Material



Max. pressure 1 MPa

Max. temp. +95°C

Operating range:



Size	A	B	C	D	E	G	S1	S2
16 x 1/2"	39	18	8	16.5	15.5	1/2"	21 x 6	24 x 14
16 x 3/4"	36	18	8	16.5	21	3/4"	27 x 5	24 x 14
20 x 1/2"	39	18	11.5	20.5	15.5	1/2"	21 x 6	29 x 15
20 x 3/4"	39	18	11.5	20.5	20	3/4"	27 x 6	29 x 15
25 x 3/4"	40	18	15.5	25.5	20	3/4"	32 x 7	35 x 16
25 x 1"	42	21	15,5	25,5	26	1"	33 x 7	35 x 16

EAN	Code	Size
5907732045505	PEXSSZGZ16X015.4007	16mm x 1/2"
5907732088090	PEXSSZGZ16X020.4007	16mm x 3/4''
5907732045529	PEXSSZGZ20X015.4007	20mm x 1/2"
5907732045536	PEXSSZGZ20X020.4007	20mm x 3/4"
5907732047240	PEXSSZGZ25X020.4007	25mm x 3/4''
5907732047233	PEXSSZGZ25X025.4007	25mm x 1''

ELBOW

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Max. working temperature: **+95°C**
Mounting position: **Universal**

Compliant with:
PN-EN ISO 21003

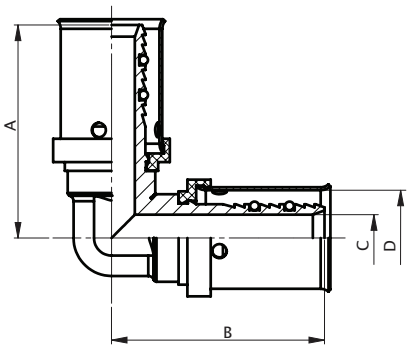
Reference document:
The Declaration of Perfocmance

Materials tally:
Brass, Steel, Material

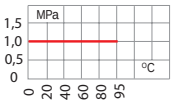
Max. pressure 1 MPa

Max. temp. +95°C

Annotation:
- Clamping profile "U"



Operating range:



Size	A	B	C	D
16 x 16	36.5	36.5	8	16.5
20 x 20	38.5	38.5	11.5	20.5
25 x 25	48.5	48.5	15.5	20.5
20 x 16	38	38	-	-

EAN	Code	Size
5907732045604	PEXSZK16.4035	16mm x 16mm
5907732045611	PEXSZK20.4035	20mm x 20mm
5907732047141	PEXSZK25.4035	25mm x 25mm
Reduction		
5907732045680	PEXSZKR20X16.4036	20mm x 16mm

ELBOW WITH INNER THREAD

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Max. working temperature: **+95°C**
Mounting position: **Universal**

Compliant with:
PN-EN ISO 21003

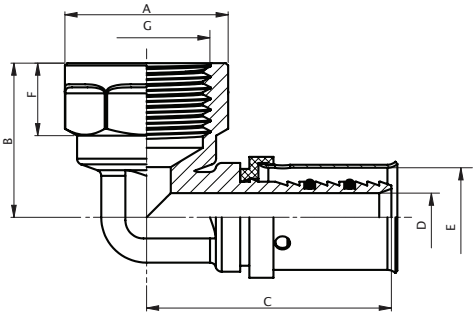
Reference document:
The Declaration of Perfocmance

Materials tally:
Brass, Steel, Material

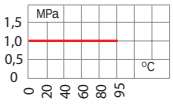
Max. pressure 1 MPa

Max. temp. +95°C

Annotation:
- Clamping profile "U"



Operating range:



Size	A	B	C	D	E	F	G
16 x 1/2"	27	25.5	40.5	8	16.5	12	1/2"
20 x 1/2"	27	25.5	40.5	11.5	20.5	12	1/2"
20 x 3/4"	33	27	43.5	11.5	20.5	12	3/4"
25 x 3/4"	33	30	50	15.5	25.5	15	3/4"
25 x 1"	41	25,5	56	15.5	25.5	16	1"

EAN	Code	Size
5907732045628	PEXSZKGW16X015.4037	16mm x 1/2"
5907732045635	PEXSZKGW20X015.4037	20mm x 1/2"
5907732045642	PEXSZKGW20X020.4037	20mm x 3/4"
5907732047196	PEXSZKGW25X020.4037	25mm x 3/4"
5907732047189	PEXSZKGW25X025.4037	25mm x 1"

ELBOW WITH OUTER THREAD

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Max. working temperature: **+95°C**
Mounting position: **Universal**

Compliant with:
PN-EN ISO 21003

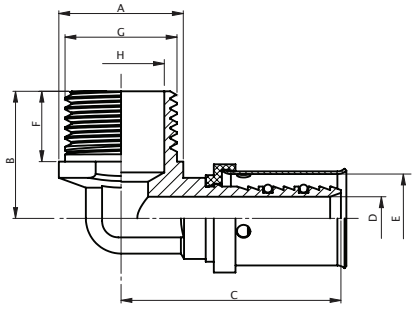
Reference document:
The Declaration of Perfocmance

Materials tally:
Brass, Steel, Material

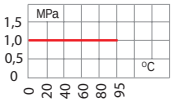
Max. pressure 1 MPa

Max. temp. +95°C

Annotation:
- Clamping profile "U"



Operating range:



Size	A	B	C	D	E	F	G	H
16 x 1/2"	23	23.5	40.5	8	16.5	13	1/2"	16
16 x 1/2"	28	31	43	8	16.5	11	3/4"	20,5
20 x 1/2	23	23.5	40.5	11.5	20.5	13	1/2"	16
20 x 3/4"	29	28.5	43.5	11.5	20.5	14	3/4"	20.5
25 x 3/4"	28	38	52	15,5	20.5	15	3/4"	20.5
25 x 1	36	48	50	15	25	18	1"	26

EAN	Code	Size
5907732045659	PEXSZKGZ16X015.4038	16mm x 1/2"
5907732047158	PEXSZKGZ16X020.4038	16mm x 3/4''
5907732045666	PEXSZKGZ20X015.4038	20mm x 1/2"
5907732045673	PEXSZKGZ20X020.4038	20mm x 3/4"
5907732087727	PEXSZKGZ25X020.4038	25mm x 3/4''
5907732047165	PEXSZKGZ25X025.4038	25mm x 1''

DROP EAR ELBOW WITH INNER THREAD

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Max. working temperature: **+95°C**
Mounting position: **Universal**

Compliant with:
PN-EN ISO 21003

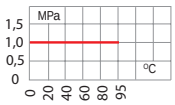
Reference document:
The Declaration of Perfocmance

Materials tally:
Brass, Steel, Material

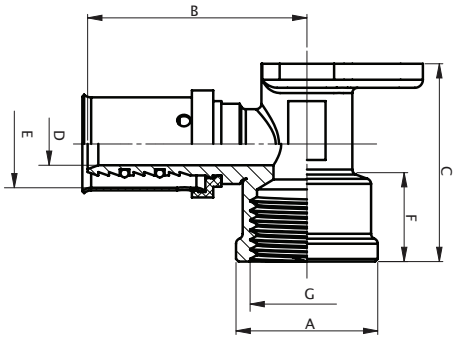
Max. pressure 1 MPa

Max. temp. +95°C

Operating range:



Annotation:
- Clamping profile "U"



Size	A	B	C	D	E	F	G
16mm x 1/2"	26.5	41	37	8	16.5	16.5	1/2"
20mm x 1/2"	27	41	39	11.5	20.5	17	1/2"

EAN	Code	Size
5907732045697	PEXSZKU16X015.4034	16mm x 1/2"
5907732085396	PEXSZKU20X015.4034	20mm x 1/2"

T-PIPE

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Max. working temperature: **+95°C**
Mounting position: **Universal**

Compliant with:
PN-EN ISO 21003

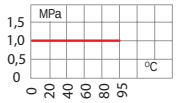
Reference document:
The Declaration of Perfocmance

Materials tally:
Brass, Steel, Material

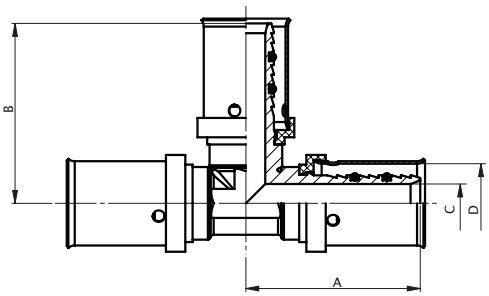
Max. pressure 1 MPa

Max. temp. +95°C

Operating range:



Annotation:
- Clamping profile "U"



Size	A	B	C	D
16 x 16 x 16mm	36	36	8	16.5
20 x 20 x 20mm	37.5	37.5	11.5	20.5
25 x 25 x 25mm	47.5	47.5	15.5	25.5
16 x 20 x 16mm	38.5	39.5	8	16.5
20 x 16 x 20mm	38	38.5	11.5	20.5
25 x 16 x 25mm	48	45	15	25.5
25 x 20 x 25mm	48	45	15.5	25.5
25 x 25 x 20mm	48	45	15.5	25.5

EAN	Code	Size
5907732045703	PEXSZT16.4039	16 x 16 x 16mm
5907732045710	PEXSZT20.4039	20 x 20 x 20mm
5907732087338	PEXSZT25.4039	25 x 25 x 25mm
Reduction		
5907732045789	PEXSZTR16X20X16.4042	16 x 20 x 16mm
5907732045796	PEXSZTR20X16X16.4042	20 x 16 x 16mm
5907732045802	PEXSZTR20X16X20.4042	20 x 16 x 20mm
5907732045819	PEXSZTR20X20X16.4042	20 x 20 x 16mm
5907732087710	PEXSZTR25X16X25.4042	25 x 16 x 25mm
5907732087369	PEXSZTR25X20X25.4042	25 x 20 x 25mm
5907732087659	PEXSZTR25X25X20.4042	25 x 25 x 20mm

T-PIPE WITH INNER THREAD

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Max. working temperature: **+95°C**
Mounting position: **Universal**

Compliant with:
PN-EN ISO 21003

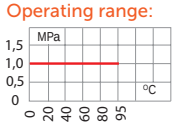
Reference document:
The Declaration of Perfocmance

Materials tally:
Brass, Steel, Material

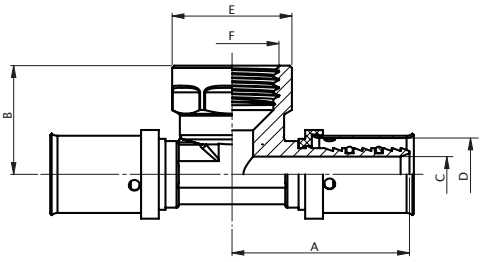
Max. pressure 1 MPa

Max. temp. +95°C

Operating range:



Annotation:
- Clamping profile "U"



Size	A	B	C	D	E	F
16 x 1/2" x 16	40	24.5	8	16.5	27	1/2"
20 x 1/2" x 20	41	26	11.5	20.5	27	1/2"
20 x 3/4" x 20	45	27	11.5	20.5	34	3/4"
25 x 3/4" x 25	52	31	25.5	25.5	34	3/4"
25 x 1" x 25	41	35	25.5	25.5	41	1"

EAN	Code	Size
5907732045727	PEXSZTGW16X015.4040	16 x 1/2" x 16mm
5907732045734	PEXSZTGW20X015.4040	20 x 1/2" x 20mm
5907732045741	PEXSZTGW20X020.4040	20 x 3/4" x 20mm
5907732087390	PEXSZTGW25X020.4040	25 x 3/4" x 25mm
5907732087383	PEXSZTGW25X025.4040	25 x 1" x 25mm

T-PIPE WITH OUTER THREAD

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

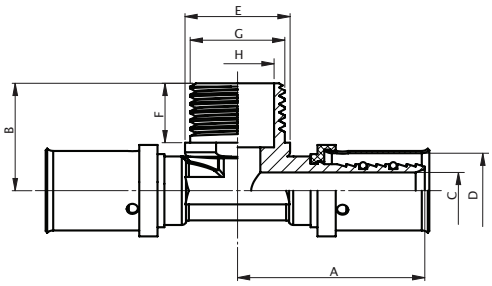
Technical data:
Max. working pressure: **1 MPa**
Max. working temperature: **+95°C**
Mounting position: **Universal**

Compliant with:
PN-EN ISO 21003

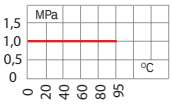
Reference document:
The Declaration of Perfocmance

Materials tally:
Brass, Steel, Material

Annotation:
- Clamping profile "U"



Operating range:



Size	A	B	C	D	E	F	G	H
16 x 1/2" x 16	41	23.5	8	16.5	23	13	1/2"	16
20 x 1/2" x 20	40	33	11.5	20.5	23	13	1/2"	16
20 x 3/4" x 20	43	34	11.5	20.5	30	14	3/4"	20
25 x 3/4" x 25	51	38	15.5	25.5	28	14	3/4"	20
25 x 1" x 25	47	48	15	25	36	16	1"	26

EAN	Code	Size
5907732045758	PEXSZTGZ16X015.4041	16 x 1/2" x 16mm
5907732045765	PEXSZTGZ20X015.4041	20 x 1/2" x 20mm
5907732045772	PEXSZTGZ20X020.4041	20 x 3/4" x 20mm
5907732047042	PEXSZTGZ25X020.4041	25 x 3/4'' x 25mm
5907732047035	PEXSZTGZ25X025.4041	25 x 1 x 25mm

STRAIGHT COUPLER

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

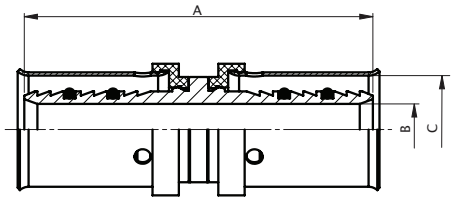
Technical data:
Max. working pressure: **1 MPa**
Max. working temperature: **+95°C**
Mounting position: **Universal**

Compliant with:
PN-EN ISO 21003

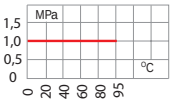
Reference document:
The Declaration of Perfocmance

Materials tally:
Brass, Steel, Material

Annotation:
- Clamping profile "U"



Operating range:



Size	A	B	C
16 x 16mm	53	8	16.5
20 x 20mm	54	11.5	20.5
25 x 25mm	72	15.5	25.5

EAN	Code	Size
5907732045826	PEXSZZ16.4031	16 x 16mm
5907732045833	PEXSZZ20.4031	20 x 20mm
5907732087406	PEXSZZ25.4031	25 x 25mm

REDUCTION STRAIGHT COUPLER

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

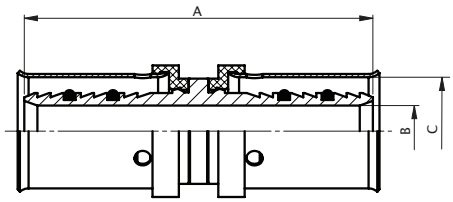
Technical data:
Max. working pressure: **1 MPa**
Max. working temperature: **+95°C**
Mounting position: **Universal**

Compliant with:
PN-EN ISO 21003

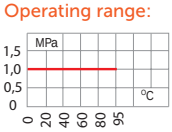
Reference document:
The Declaration of Perfocmance

Materials tally:
Brass, Steel, Material

Annotation:
- Clamping profile "U"



Operating range:



Size	A	B	C
20 x 16mm	56	8	16.5
25 x 20mm	65	11.5	20.5

EAN	Code	Size
5907732046144	PEXSZZR20X16.4031	20 x 16mm
5907732087413	PEXSZZR25X20.4031	25 x 20mm

STRAIGHT COUPLER WITH INNER THREAD

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

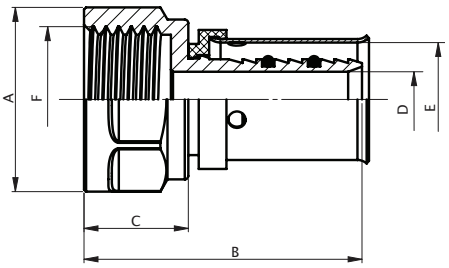
Technical data:
Max. working pressure: **1 MPa**
Max. working temperature: **+95°C**
Mounting position: **Universal**

Compliant with:
PN-EN ISO 21003

Reference document:
The Declaration of Perfocmance

Materials tally:
Brass, Steel, Material

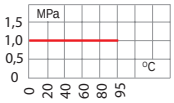
Annotation:
- Clamping profile "U"



Max. pressure 1 MPa

Max. temp. +95°C

Operating range:



Size	A	B	C	D	E	F
16 x 1/2"	26.5	40	15	8	16.5	1/2"
16 x 3/4"	33	42	17	8	16	3/4"
20 x 1/2"	26.5	40	15	11.5	20.5	1/2"
20 x 3/4"	33	42	17	11.5	20.5	3/4"
25 x 3/4"	33	50	18	15.5	25.5	3/4"
25 x 1"	41	61	26	15.5	25.5	1"

EAN	Code	Size
5907732045840	PEXSZZGW16X015.4032	16mm x 1/2"
5907732046151	PEXSZZGW16X020.4032	16mm x 3/4"
5907732045857	PEXSZZGW20X015.4032	20mm x 1/2"
5907732045864	PEXSZZGW20X020.4032	20mm x 3/4"
5907732087437	PEXSZZGW25X020.4032	25mm x 3/4"
5907732087703	PEXSZZGW25X025.4032	25mm x 1'

STRAIGHT COUPLER WITH OUTER THREAD

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

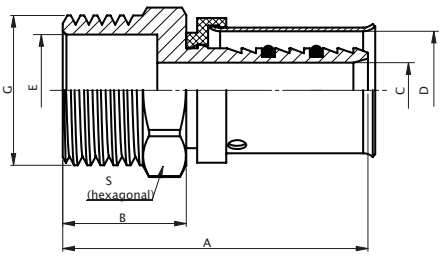
Technical data:
Max. working pressure: **1 MPa**
Max. working temperature: **+95°C**
Mounting position: **Universal**

Compliant with:
PN-EN ISO 21003

Reference document:
The Declaration of Perfocmance

Materials tally:
Brass, Steel, Material

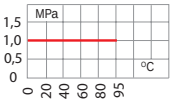
Annotation:
- Clamping profile "U"



Max. pressure 1 MPa

Max. temp. +95°C

Operating range:



Size	A	B	C	D	E	G	S
16 x 1/2"	42	17	8	16.5	15.5	1/2"	21x6
20 x 1/2"	43	18	11.5	20.5	15.5	1/2"	21x6
20 x 3/4"	47	21	11.5	20.5	20	3/4"	27x6
25 x 3/4"	54	22	15.5	25.5	20	3/4"	27x7
16 x 3/4"	47	21	8	16	20	3/4"	27x6
25 x 1"	61	29	20	25	26	1"	27x7

EAN	Code	Size
5907732045871	PEXSZZGZ16X015.4033	16mm x 1/2"
5907732045888	PEXSZZGZ16X020.4033	16mm x 3/4"
5907732045895	PEXSZZGZ20X015.4033	20mm x 1/2"
5907732045901	PEXSZZGZ20X020.4033	20mm x 3/4"
5907732087352	PEXSZZGZ25X020.4033	25mm x 3/4''
5907732087420	PEXSZZGZ25X025.4033	25mm x 1''

PEX END CAP

NEW

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Max. working temperature: **+95°C**
Mounting position: **Universal**

Compliant with:
PN-EN ISO 21003-3

Reference document:
The Declaration of Perfocmance

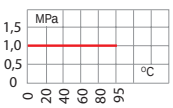
Materials tally:
Brass, Steel, Material

Annotation:
- Clamping profile "U"

Max. pressure 1 MPa

Max. temp. +95°C

Operating range:



EAN	Code	Size
5907732089097	PEXSZZA16.4000	16mm
5907732089103	PEXSZZA20.4000	20mm

PEX MANIFOLD BAR

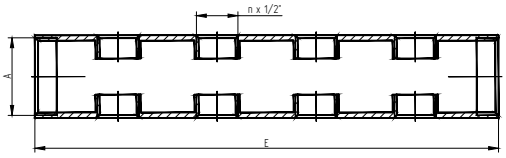
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Max. working temperature: **+95°C**
Mounting position: **Universal**

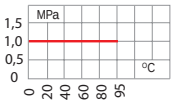
Compliant with:
PN-EN ISO 21003

Reference document:
The Declaration of Perfocmance

Materials tally:
Brass, Steel, Material



Operating range:



Size	A	E
1" x 1/2" x 2	1"	108
1" x 1/2" x 3	1"	158
1" x 1/2" x 4	1"	208

EAN	Code	Size
5907732045079	PEXRB015X2	1" x 1/2" x 2
5907732045086	PEXRB015X3	1" x 1/2" x 3
5907732045093	PEXRB015X4	1" x 1/2" x 4
5907732084177	PEXRU	Handle

PEX COMPRESSION SYSTEM - MANIFOLD

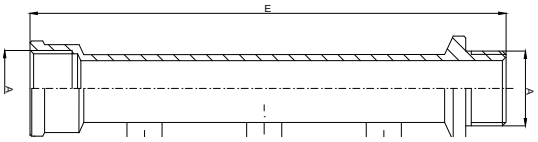
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Max. working temperature: **+95°C**
Mounting position: **Universal**

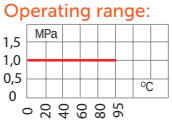
Compliant with:
PN-EN ISO 21003

Reference document:
The Declaration of Perfocmance

Materials tally:
Brass, Material



Operating range:



Size	A	E
1" x 16mm x 2	1"	85
1" x 16mm x 3	1"	121

EAN	Code	Size
5907732045123	PEXRR16X2	1" x 16mm x 2
5907732045130	PEXRR16X3	1" x 16mm x 3

PEX COMPRESSION SYSTEM - MANIFOLD WITH WARM WATER VALVES

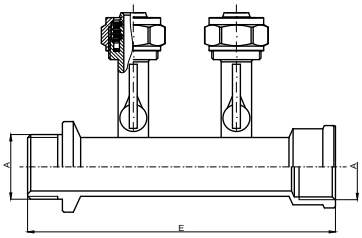
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Max. working temperature: **+95°C**
Mounting position: **Universal**

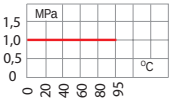
Compliant with:
PN-EN ISO 21003

Reference document:
The Declaration of Perfocmance

Materials tally:
Brass, Steel, Material



Operating range:



Size	A	E
1" x 16mm x 2	1"	86
1" x 16mm x 3	1"	125

EAN	Code	Size
5907732045161	PEXRZC16X2	1" x 16mm x 2
5907732045178	PEXRZC16X3	1" x 16mm x 3

PEX COMPRESSION SYSTEM - MANIFOLD WITH COLD WATER VALVES

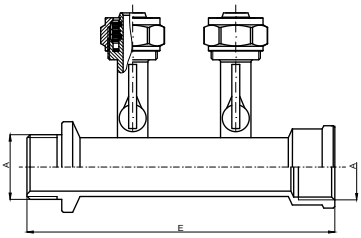
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Max. working temperature: **+95°C**
Mounting position: **Universal**

Compliant with:
PN-EN ISO 21003

Reference document:
The Declaration of Perfocmance

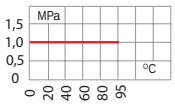
Materials tally:
Brass, Steel, Material



Max. pressure 1 MPa

Max. temp. +95°C

Operating range:



Size	A	E
1" x 16mm x 2	1"	90
1" x 16mm x 3	1"	128

EAN	Code	Size
5907732045185	PEXRZN16X2	1" x 16mm x 2
5907732045192	PEXRZN16X3	1" x 16mm x 3

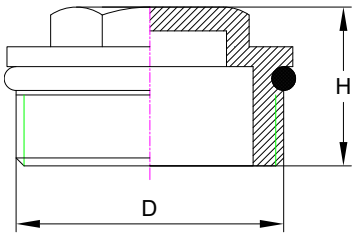
MANIFOLD PLUG

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Max. working temperature: **+95°C**
Mounting position: **Universal**

Reference document:
The Declaration of Perfocmance

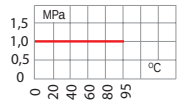
Materials tally:
Brass



Max. pressure 1 MPa

Max. temp. +95°C

Operating range:



Size	D	H
1/2"	1/2"	19,8
1"	1"	19,8

EAN	Code	Size
5907732045109	PEXRK015	1/2"
5907732045116	PEXRK025	1"

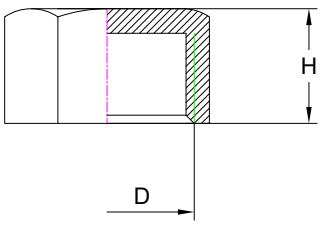
MANIFOLD END CAP

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1 MPa**
Max. working temperature: **+95°C**
Mounting position: **Universal**

Reference document:
The Declaration of Perfocmance

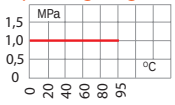
Materials tally:
Brass



Max. pressure 1 MPa

Max. temp. +95°C

Operating range:



Size	D	H
1/2"	1/2"	14,8

EAN	Code	Size
5907732045154	PEXRZ015	1/2"

PEX BEND SUPPORT

Use:
Plastic bend support is the best option for supporting and keeping pex tubing in place.

Materials tally:
Material

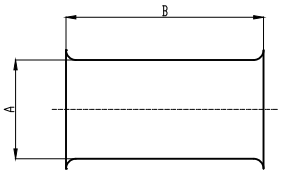
EAN	Code	Size
5907732086201	PEXAŁ14-18	14-18mm
5907732086218	PEXAŁ20-22	20-22mm

PEX PRESS SYSTEM - STEEL STIFFENER FOR FITTINGS

Use:
Ring secures pipe against falling from connector and ensures connection tightness - press system.

Materials tally:
Steel

Size	A	B
16 mm	17,5	23
20 mm	21,5	23



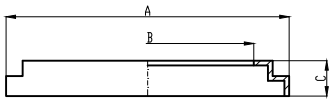
EAN	Code	Size
5907732045543	PEXSZAKM16	16mm
5907732045550	PEXSZAKM20	20mm

PEX PRESS SYSTEM - PLACTIC FLANGE FOR FITTINGS

Use:
The flange secures connector and pipe against contact corrosion at the junction of copper - aluminium - press system.

Materials tally:
Material

Size	A	B	C
16mm	20	16	5
20mm	25	20	6



EAN	Code	Size
5907732045567	PEXSZAKP16	16mm
5907732045574	PEXSZAKP20	20mm

O-RING - 10 PIECES

Use:
The O-ring is intended for sealing a connection between the connector and PEX pipe - press system.

Technical data:
Max temperature: 95°C

Materials tally:
Material

EAN	Code	Size
5907732050189	PEXSZAO16KPL	16mm
5907732050196	PEXSZAO20KPL	20mm

PEX PIPE CALIBRATION TOOL

Use:
The calibrator is intended for levelling the pipe's surface in the place of cut - it restores round shape.

Materials tally:
Material

EAN	Code	Size
5907732045048	PEXAMKALT	16-35mm

PEX PIPE CALIBRATION - CHAMFER TOOL

Use:
The calibrator with beveller is intended for levelling the pipe's surface in the place of cut (restoring round shape) and simultaneously chamfers pipe edges (which secures the seal on fitting against damage).

Materials tally:
Material, Steel

EAN	Code	Size
5907732046021	PEXAMKF16	16mm
5907732046038	PEXAMKF20	20mm

PEX PIPE CALIBRATION - CHAMFER TOOL

Use:
The cross calibrator with beveller is intended for levelling the pipe's surface in the place of cut (restoring round shape) and simultaneously chamfers pipe edges (which secures the seal on fitting against damage).

Materials tally:
Material, Steel

EAN	Code	Size
5907732087345	PEXAMKKF	PEX 16, 20, 25

CUTTERS FOR PEX PIPES

Use:
The PEX shear cutter tool is destiny for cutting tubings.

Materials tally:
Steel

EAN	Code	Size
5907732046069	PEXAMN001	PEX 16, 20, 25

OUTER BENDING SPRING FOR PEX PIPES

Use:
The PEX shear cutter tool is destiny for cutting tubings.

Materials tally:
Steel

EAN	Code	Size
5907732045055	PEXAMSZ16	16mm
5907732045062	PEXAMSZ20	20mm

INNER BENDING SPRING FOR PEX PIPES

Use
Pex-Al-Pex/PVC Pipe bending spring for inner use.

Materials tally:
Steel

EAN	Code	Size
5907732089110	PEXAMSW16	16mm
5907732089127	PEXAMSW20	20mm

PLUG FOR PRESSURE TESTS

Use:
Pressure test plug for PEX / AL / PEX pipes.The plug has a thread and a socket for an Allen key that facilitates screwing it into a pipe of the appropriate diameter.The O-ring seal ensures the tightness of the installed plug.

Technical data:
Pressure maksymalne: **10 bar**
Temperature maksymalna: **95°C**

Materials tally:
Polipropylen

EAN	Code	Size
5903263728399	PEXKOREK16X2	16mm
5903263728405	PEXKOREK20X2	20mm

CRIMP GO/NO-GO GAGE FOR PEX

Use:
The gauge is used for checking if a crimp has been properly done.

Materials tally:
Steel

EAN	Code	Size
5907732046120	PEXSZNSP	14-32mm

STONES FOR CRIMPING MACHINE*

Use:
Kamienie przeznaczone są do montażu w zaciskarkach ręcznych i hydraulicznych. Profil zaciśnięcia: „U".

Materials tally:
Steel

EAN	Code	Size
5907732047547	PEXSZNAZ1620	16-20mm

MANUAL CRIMPER

Use:
The manual crimper is designed for making crimped connections in the Pex system.

Materials tally:
Steel , Material

EAN	Code	Size
5907732045987	PEXSZNZR001.7001	16-32mm

HYDRAULIC CRIMPING TOOL

Use:
The hydraulic crimping tool is designed for making crimped connections in the Pex system.

Materials tally:
Steel, Material, Olej

EAN	Code	Size
5907732045956	PEXSZNZH001.7009	16-32mm

ELECTRIC CRIMPING TOOL*

Use:
The electric cripmper is designed for making crimped connections in the Pex system.

Technical data:
Power supply: 230 V

Materials tally:
Steel, Material

EAN	Code	Size
5907732045949	PEXSZNZEP001.7011	16-32mm

*to order

RECHARGEABLE CRIMP*

Use:
The battery crimping tool is designed for making crimped connections in the Pex system.

Technical data:
Power supply: 230 V

Materials tally:
Steel, Material

EAN	Code	Size
5907732045932	PEXSZNZEA001.7012	16-32mm

*to order

SYSTEM IDMAR®PPR

PPR PIPES
PPR SYSTEM
PPR ACCESSORIES

We present our newest product: IDMAR®PP-R SYSTEM. It is distinguished by high quality of individual elements, simple construction, quick installation and an affordable price. IDMAR®PP-R SYSTEM can be successfully used in newly constructed installations as well as in modernization or repair of existing installations. We encourage you to read the following catalog carefully, and you will surely see the advantages of the IDMAR®PP-R SYSTEM

USE:

Polipropelyne mouldings and pipes from IDMAR®PP-R SYSTEM are the best for:
- utility water installations - fittings connections, risers, separation of installations on the floor,
- cooling installations (chilled water),
- heating installations, e.g. central heating,
- technological installations, e.g. irrigation of plant crops,
- industrial installations (do not use IDMAR®PP-R SYSTEM for transfering incendiary and highly explosive liquids)..

IDMAR PP-R SYSTEM can be used to build new installations, repair or modify the existing ones.
IDMAR PP-R SYSTEM may be connected with the rest of an installation by using couplings with threaded ends. It is recommended to seal threaded connections with PTFE sealing tape (do not use oakum).

ADVANTAGES OF IDMAR®PPR SYSTEM:

Among many advantages of IDMAR®PP-R SYSTEM there are some that should be especially highligthted:
- resistance to high temperature and pressure;
- very long installation's lifespan;
- very low absolute roughness, which gives excellent hydraulic parameters;
- corrosion resistance;
- simple construction of the installation;
- water hammer resistance;
- no reaction with water;
- very high chemical resistance;

Polipropelyne is chemically neutral to most of compounds; organic and inorganic. PP-R type 3 only is not resistant to long exposure to ultrabviolet radiation (solar radiation) and to high-oxidative compounds (e.g. chlorine, bromide, concentrated sulfuric or nitric acid and theirs derivatives).
- it is highly efficient in thermal insulation

Heat conductivity rate is 0,24 W/mK, which means that PP-R conductivity is 242 times lower than steel pipes' conductivity, and 1750 times lower than copper pipes' conductivity.
- damping and muffling;
- low weight of pipes;
- mocne i pewne zespolenia dzięki stopieniu powierzchni rury z powierzchnią kształtki,
- szeroka gama rur i kształtek,
- wysoka jakość wyrobów przy korzystnej cenie.

PIPE AND FITTING WELDING PARAMETERS

Diameter	Welding depth [mm]	Warm-up time [s]	Connection time [s]	Cooling time [min]
16	11	5	4	2
20	14	5	4	2
25	15	7	4	2
32	17	8	6	4
40	18	12	6	4

Technical Notes:
- The pipe and fitting joint surface must be clean, dry and free from any soiling,
- Pipe and fitting are heated simultaneously,
- The heating and welding process must not be interrupted,
- When welding at temperatures < 5ºC, the heating time should be increased by 50%,
- Installations can be welded in a positive temperature,
- In case of defectively made connection, cut off the defective end of installation and repeat the assembly process with a new connector.
- The connection reaches full durability after a complete cool down, i.e. after a maximum of 2 hours depending on ambient temperature. Performing tightness tests before this time passes is forbidden.

Turn on the welding machine and set the temperature on 270°C - do not start to weld before gaining proper temperature.

Prepare a suitable length of pipe and fitting.

Measure the welding depth (see table: Welding depth) and then mark it on the hose.

Apply pipe end and connectors on heating sleeves of the welding machine. Products should be pressed together slowly - according to material melting - until the pipe and fitting are fully placed on heating sleeves. From that moment, products are subject to proper heating (see Table: Heating time).

Remove both elements from welding machine ferrules and connect them by pressing them together. An attention should be paid during connecting - products should not cool down during that time.

There is a possibility to correct the connection. This must be done shortly after the elements are connected (see Table: Connection time). Correction can concern only the mutual axial connection of pipe and fitting. It is forbidden to turn the elements. Wait the appropriate time needed for connection to cool down while avoiding redundant motion (see Table: Cool down time). The performance of correct weld is confirmed by acquisition of a double ring of melted material on the whole diameter of connected elements.

STABI GLASS PIPE PP-R/FB/PP-R

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations.

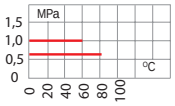
Technical data:
Coefficient of thermal expansion: **α=0,060 mm/m*K**
Max. working pressure: **1MPa at +60°C**
0,6MPa at +80°C
Max. working temperature: **+80°C**
Mounting position: **Universal**

Compliant with:
PN-EN ISO 15874

Reference document:
The Declaration of Perfocmance

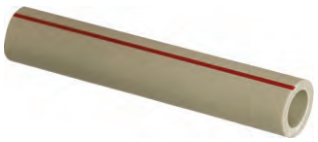
Materials tally:
Polipropylen (PP), Fiberglass

Operating range:



EAN	Code	Size
5907732084573	PPRRFBPPR01620.3001	16 x 2.7mm - 4mb
5907732084580	PPRRFBPPR02020.3001	20 x 3.4mm - 4mb
5907732084597	PPRRFBPPR02520.3001	25 x 4.2mm - 4mb
5907732084603	PPRRFBPPR03225.3001	32 x 5.4mm - 4mb

STABI PLUS PIPE PP-R/AL/PP-R



Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations.

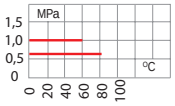
Technical data:
Coefficient of thermal expansion: **α=0,035 mm/m*K**
Max. working pressure: **1MPa at +60°C**
0,6MPa at +80°C
Max. working temperature: **+80°C**
Mounting position: **Universal**

Compliant with:
PN-EN ISO 15874

Reference document:
The Declaration of Perfocmance

Materials tally:
Polipropylen (PP), aluminium

Operating range:



EAN	Code	Size
5907732049930	PPRRALPPR01620.2001	16 x 2.7mm - 4mb
5907732049701	PPRRALPPR02025.2001	20 x 3.4mm - 4mb
5907732049718	PPRRALPPR02525.2001	25 x 4.2mm - 4mb
5907732049725	PPRRALPPR03225.2001	32 x 5.4mm - 4mb

HOMOGENEOUS PIPE PPR

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems, air-conditioning systems and also for industrial installations.

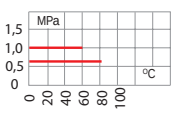
Technical data:
Coefficient of thermal expansion: **α=0,180 mm/m*K**
Max. working pressure: **1MPa at +60°C**
0,6MPa at +80°C
Max. working temperature: **+80°C**
Mounting position: **Universal**

Compliant with:
PN-EN ISO 15874

Reference document:
The Declaration of Perfocmance

Materials tally:
Polipropylen (PP)

Operating range:



EAN	Code	Size
5907732049947	PPRRPPR01625.1001	16 x 2.7mm - 3mb
5907732049626	PPRRPPR02025.1001	20 x 3.4mm - 3mb
5907732049633	PPRRPPR02525.1001	25 x 4.2mm - 3mb
5907732049640	PPRRPPR03225.1001	32 x 5.4mm - 3mb

ELBOW

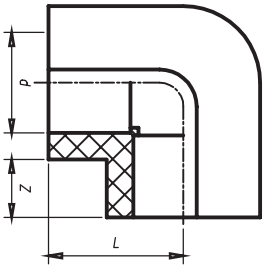
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1MPa at +60°C**
0,6MPa at +80°C
Max. working temperature: **+80°C**
Mounting position: **Universal**

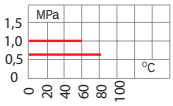
Compliant with:
PN-EN ISO 15874

Reference document:
The Declaration of Perfocmance

Materials tally:
Polipropylen (PP)



Operating range:



Size	d	Z	L
16	15,2	14,1	24,6
20	19,1	12,0	26,0
25	23,8	12,0	21,3
32	30,8	12,0	33,2

EAN	Code	Size
5907732049831	PPRZK016-90.1008	16
5907732047653	PPRZK020-90.1008	20
5907732047660	PPRZK025-90.1008	25
5907732047677	PPRZK032-90.1008	32

ELBOW 45°

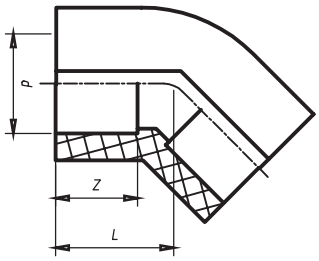
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1MPa at +60°C**
0,6MPa at +80°C
Max. working temperature: **+80°C**
Mounting position: **Universal**

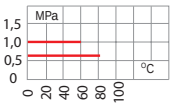
Compliant with:
PN-EN ISO 15874

Reference document:
The Declaration of Perfocmance

Materials tally
Polipropylen (PP)



Operating range:



Size	d	Z	L
16	15,2	14,0	20,2
20	19,1	16,6	20,0
25	23,8	17,5	23,2
32	30,8	19,5	31,2

EAN	Code	Size
5907732049824	PPRZK016-45.1007	16
5907732047592	PPRZK020-45.1007	20
5907732047608	PPRZK025-45.1007	25
5907732047615	PPRZK032-45.1007	32

ELBOW WITH OUTER THREAD

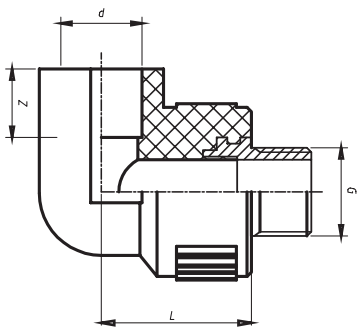
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1MPa at +60°C,**
0,6MPa at +80°C
Max. working temperature: **+80°C**
Mounting position: **Universal**

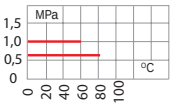
Compliant with:
PN-EN ISO 15874

Reference document:
The Declaration of Perfocmance

Materials tally:
Polipropylen (PP), Brass



Operating range:



Size	d	Z	L	G
16 x 1/2"	15,2	14,2	33,0	1/2"
20 x 1/2"	19,1	16,8	34,0	1/2"
20 x 3/4"	19,1	16,8	35,2	3/4"
25 x 1/2"	23,8	18,7	38,9	1/2"
25 x 3/4"	23,8	18,7	34,0	3/4"
32 x 3/4"	30,8	20,0	37,3	3/4"
32 x 1"	30,8	20,0	43,6	1"

EAN	Code	Size
5907732049855	PPRZKGZ016X1/2.1010	16 x 1/2"
5907732047844	PPRZKGZ020X1/2.1010	20 x 1/2"
5907732047929	PPRZKGZ020X3/4.1010	20 x 3/4"
5907732047851	PPRZKGZ025X1/2.1010	25 x 1/2"
5907732047868	PPRZKGZ025X3/4.1010	25 x 3/4"
5907732047882	PPRZKGZ032X3/4.1010	32 x 3/4"
5907732047899	PPRZKGZ032X1.1010	32 x 1"

ELBOW WITH INNER THREAD

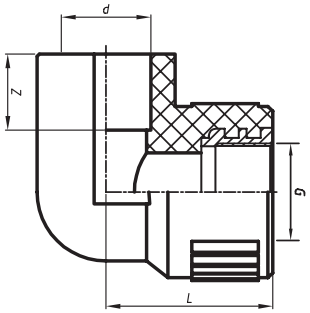
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1MPa at +60°C**
0,6MPa at +80°C
Max. working temperature: **+80°C**
Mounting position: **Universal**

Compliant with:
PN-EN ISO 15874

Reference document:
The Declaration of Perfocmance

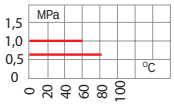
Materials tally:
Polipropylen (PP), Brass



Max. pressure 0,6MPa / 1MPa

Max. temp. +60°C / +80°C

Operating range:



Size	d	Z	L	G
16 x 1/2"	15,2	14,2	33,0	1/2"
20 x 1/2"	19,1	16,2	34,5	1/2"
20 x 3/4"	19,1	16,2	37,3	3/4"
25 x 1/2"	23,8	19,4	37,2	1/2"
25 x 3/4"	23,8	19,4	37,3	3/4"
32 x 3/4"	30,8	20,0	42,0	3/4"
32 x 1"	30,8	20,0	43,8	1"

EAN	Code	Size
5907732049848	PPRZKGW016X1/2.1009	16 x 1/2"
5907732047745	PPRZKGW020X1/2.1009	20 x 1/2"
5907732047837	PPRZKGW020X3/4.1009	20 x 3/4"
5907732047752	PPRZKGW025X1/2.1009	25 x 1/2"
5907732047769	PPRZKGW025X3/4.1009	25 x 3/4"
5907732047790	PPRZKGW032X3/4.1009	32 x 3/4"
5907732047806	PPRZKGW032X1.1009	32 x 1"

ELBOW M/F

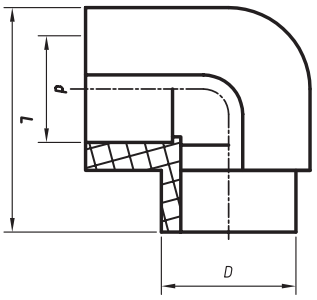
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1MPa at +60°C**
0,6MPa at +80°C
Max. working temperature: **+80°C**
Mounting position: **Universal**

Compliant with:
PN-EN ISO 15874

Reference document:
The Declaration of Perfocmance

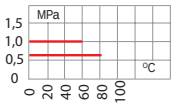
Materials tally:
Polipropylen (PP)



Max. pressure 0,6MPa / 1MPa

Max. temp. +60°C / +80°C

Operating range:



Size	D	d	L
16	16	15,2	34,7
20	20,4	18,8	44,0
25	25,2	24,0	54,4
32	32,5	30,5	59,3

EAN	Code	Size
5907732086249	PPRZKWZ016-90.1008WZ	16
5907732049732	PPRZKWZ020-90.1008WZ	20
5907732049749	PPRZKWZ025-90.1008WZ	25
5907732049756	PPRZKWZ032-90.1008WZ	32

ELBOW M/F 45°

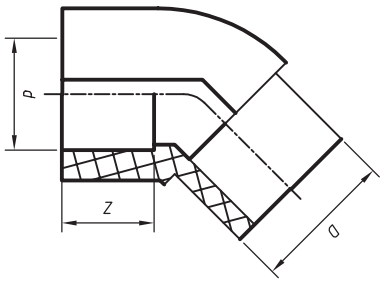
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1MPa at +60°C**
0,6MPa at +80°C
Max. working temperature: **+80°C**
Mounting position: **Universal**

Compliant with:
PN-EN ISO 15874

Reference document:
The Declaration of Perfocmance

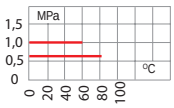
Materials tally:
Polipropylen (PP)



Max. pressure 0,6MPa / 1MPa

Max. temp. +60°C / +80°C

Operating range:



Size	D	d	Z
16	16	16,4	14,5
20	20,5	18,7	15,8
25	25,3	23,7	17,1
32	32,3	30,5	19,3

EAN	Code	Size
5907732086232	PPRZKWZ016-45.1007WZ	16
5907732049763	PPRZKWZ020-45.1007WZ	20
5907732049770	PPRZKWZ025-45.1007WZ	25
5907732050066	PPRZKWZ032-45.1007WZ	32

DROP EAR ELBOW WITH INNER THREAD

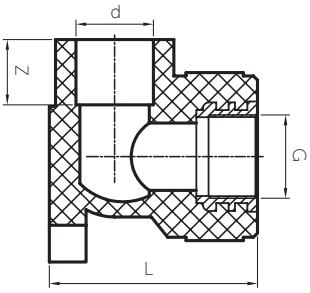
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1MPa at +60°C**
0,6MPa at +80°C
Max. working temperature: **+80°C**
Mounting position: **Universal**

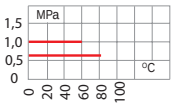
Compliant with:
PN-EN ISO 15874

Reference document:
The Declaration of Perfocmance

Materials tally:
Polipropylen (PP), Brass



Operating range:



Size	d	Z	L	G
16 x 1/2"	15,2	19,0	41,8	1/2"
20 x 1/2"	19,1	17,0	48,1	1/2"
25 x 1/2"	23,8	19,1	53,6	1/2"

EAN	Code	Size
5907732049862	PPRZKUGW016X1/2.1011	16 x 1/2"
5907732047997	PPRZKUGW020X1/2.1011	20 x 1/2"
5907732047943	PPRZKUGW025X1/2.1011	25 x 1/2"

T-PIPE

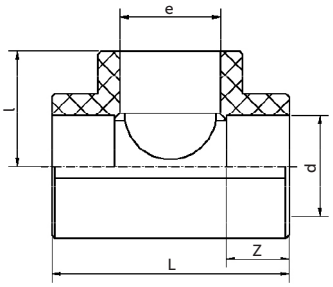
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1MPa at +60°C**
0,6MPa at +80°C
Max. working temperature: **+80°C**
Mounting position: **Universal**

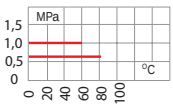
Compliant with:
PN-EN ISO 15874

Reference document:
The Declaration of Perfocmance

Materials tally:
Polipropylen (PP)



Operating range:



Size	d	e	Z	l	L
16	15,2	15,2	14,3	25,2	48,4
20	19,1	19,1	15,6	25,6	51,5
25	23,8	23,8	17,9	30,7	61,7
32	30,8	30,8	20,0	36,3	71,6

EAN	Code	Size
5907732049879	PPRZT016.1013	16
5907732047998	PPRZT020.1013	20
5907732048001	PPRZT025.1013	25
5907732087642	PPRZT032.1013	32

REDUCTION T-PIPE

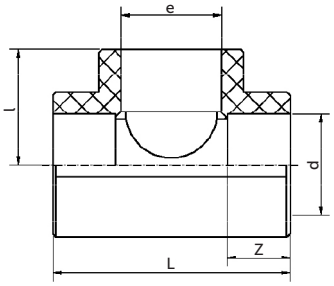
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1MPa at +60°C**
0,6MPa at +80°C
Max. working temperature: **+80°C**
Mounting position: **Universal**

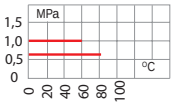
Compliant with:
PN-EN ISO 15874

Reference document:
The Declaration of Perfocmance

Materials tally:
Polipropylen (PP)



Operating range:



Size	d	e	Z	l	L
20 x 16	19,0	15,2	19,6	32,7	54,9
25 x 20	23,7	18,9	17,6	27,4	56,2
32 x 20	30,7	19,1	15,9	27,2	55,0
32 x 25	30,1	23,6	19,9	36,5	64,3

EAN	Code	Size
5907732049886	PPRZTR020X16.1014	20 x 16
5907732048087	PPRZTR025X20.1014	25 x 20
5907732048094	PPRZTR032X20.1014	32 x 20
5907732048100	PPRZTR032X25.1014	32 x 25

T-PIPE WITH OUTER THREAD

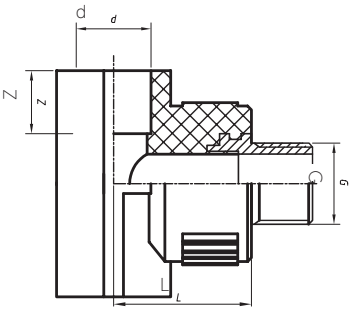
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1MPa at +60°C**
0,6MPa at +80°C
Max. working temperature: **+80°C**
Mounting position: **Universal**

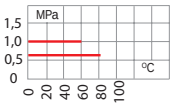
Compliant with:
PN-EN ISO 15874

Reference document:
The Declaration of Perfocmance

Materials tally:
Polipropylen (PP), Brass



Operating range:



Size	d	Z	L	G
16 x 1/2"	15,2	15,4	30,4	1/2"
20 x 1/2"	19,1	16,5	35,6	1/2"
20 x 3/4"	19,1	16,0	36,0	3/4"
25 x 1/2"	23,8	18,3	37,3	1/2"
25 x 3/4"	23,8	18,0	35,2	3/4"
32 x 3/4"	30,8	21,0	36,0	1/2"
32 x 1/2"*	30,8	21,0	37,4	3/4"
32 x 1"*	30,8	21,0	43,0	1"

EAN	Code	Size
5907732049909	PPRZTGZ016X1/2.1016	16 x 1/2"
5907732048476	PPRZTGZ020X1/2.1016	20 x 1/2"
5907732048483	PPRZTGZ020X3/4.1016	20 x 3/4"
5907732048490	PPRZTGZ025X1/2.1016	25 x 1/2"
5907732048506	PPRZTGZ025X3/4.1016	25 x 3/4"*
5907732048520	PPRZTGZ032X3/4.1016	32 x 3/4"*
5907732048513	PPRZTGZ032X1/2.1016	32 x 1/2"*
5907732048537	PPRZTGZ032X1.1016	32 x 1"*

*to order

T-PIPE WITH INNER THREAD

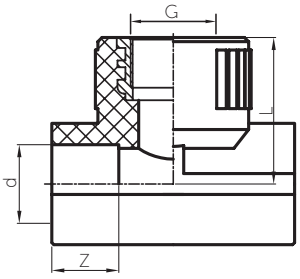
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1MPa at +60°C**
0,6MPa at +80°C
Max. working temperature: **+80°C**
Mounting position: **Universal**

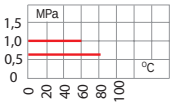
Compliant with:
PN-EN ISO 15874

Reference document:
The Declaration of Perfocmance

Materials tally:
Polipropylen (PP), Brass



Operating range:



Size	d	Z	L	G
16 x 1/2"	15,2	15,4	30,4	1/2"
20 x 1/2"	19,1	16,0	36,0	1/2"
25 x 1/2"	23,8	18,4	38,0	1/2"
32 x 3/4"	30,8	20,0	42,0	3/4"
32 x 1"	30,8	20,0	43,6	1"

EAN	Code	Size
5907732049893	PPRZTGW016X1/2.1015	16 x 1/2"
5907732048254	PPRZTGW020X1/2.1015	20 x 1/2"
5907732048261	PPRZTGW020X3/4.1015	20 x 3/4"
5907732048278	PPRZTGW025X1/2.1015	25 x 1/2"
5907732048285	PPRZTGW025X3/4.1015	25 x 3/4"
5907732048292	PPRZTGW032X1/2.1015	32 x 1/2"
5907732048308	PPRZTGW032X3/4.1015	32 x 3/4"
5907732048315	PPRZTGW032X1.1015	32 x 1"

STRAIGHT COUPLER

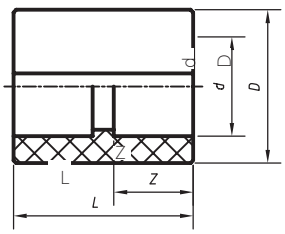
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1MPa at +60°C**
0,6MPa at +80°C
Max. working temperature: **+80°C**
Mounting position: **Universal**

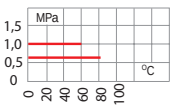
Compliant with:
PN-EN ISO 15874

Reference document:
The Declaration of Perfocmance

Materials tally:
Polipropylen (PP)



Operating range:



Size	D	d	Z	L
16	22,5	15,2	13,1	31,6
20	27,3	19,1	16,2	36
25	33,1	23,8	18,1	40
32	41,6	30,8	20,0	44,1

EAN	Code	Size
5907732049787	PPRZZ016.1002	16
5907732047004	PPRZZ020.1002	20
5907732047011	PPRZZ025.1002	25
5907732047028	PPRZZ032.1002	32

REDUCTION STRAIGHT COUPLER

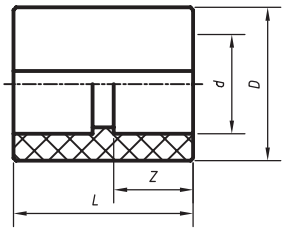
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1MPa at +60°C**
0,6MPa at +80°C
Max. working temperature: **+80°C**
Mounting position: **Universal**

Compliant with:
PN-EN ISO 15874

Reference document:
The Declaration of Perfocmance

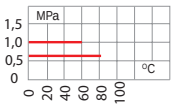
Materials tally:
Polipropylen (PP)



Max. pressure 0,6MPa / 1Mpa

Max. temp. +60°C / +80°C

Operating range:



Size	D	d	Z	L
20 x 16	18,1	15,2	15	32,9
25 x 20	23,8	19,1	15/16	34,9
32 x 20	30,8	19,1	16/20	38,3
32 x 25	30,8	23,8	18/20	40,0

EAN	Code	Size
5907732049794	PPRZZR020X16.1003	20 x 16
5907732047097	PPRZZR025X20.1003	25 x 20
5907732087734	PPRZZR032X20.1003	32 x 20
5907732047110	PPRZZR032X25.1003	32 x 25

STRAIGHT COUPLER WITH OUTER THREAD

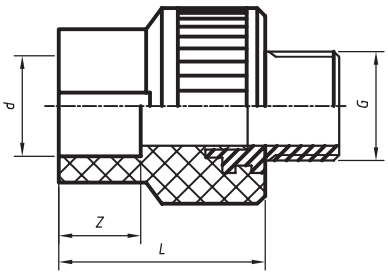
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1MPa at +60°C**
0,6M at +80°C
Max. working temperature: **+80°C**
Mounting position: **Universal**

Compliant with:
PN-EN ISO 15874

Reference document:
The Declaration of Perfocmance

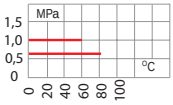
Materials tally:
Polipropylen (PP), Brass



Max. pressure 0,6MPa / 1Mpa

Max. temp. +60°C / +80°C

Operating range:



Size	d	Z	L	G
16 x 1/2"	15,2	14,2	37,4	1/2"
20 x 1/2"	19,1	17,1	36,1	1/2"
20 x 3/4"	19,1	16,4	41,8	3/4"
25 x 1/2"	23,8	18,0	41,1	1/2"
25 x 3/4"	23,8	18,0	42,7	3/4"
25 x 1"	23,8	18,0	45,3	1"
32 x 3/4"	30,8	21,0	44,0	3/4"
32 x 1"	30,8	20,9	45,5	1"

EAN	Code	Size
5907732049817	PPRZZGZ016X1/2 .1005	16 x 1/2"
5907732047462	PPRZZGZ020X1/2.1005	20 x 1/2"
5907732047479	PPRZZGZ020X3/4.1005	20 x 3/4"
5907732047486	PPRZZGZ025X1/2.1005	25 x 1/2"
5907732047493	PPRZZGZ025X3/4.1005	25 x 3/4"
5907732047509	PPRZZGZ025X1.1005	25 x 1"
5907732047523	PPRZZGZ032X3/4.1005	32 x 3/4"
5907732047530	PPRZZGZ032X1.1005	32 x 1"

STRAIGHT COUPLER WITH INNER THREAD

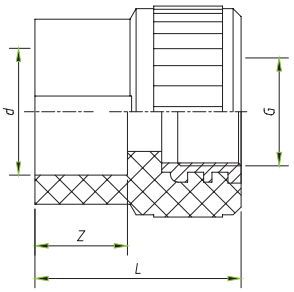
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1MPa at +60°C**
0,6MPa at +80°C
Max. working temperature: **+80°C**
Mounting position: **Universal**

Compliant with:
PN-EN ISO 15874

Reference document:
The Declaration of Perfocmance

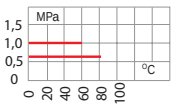
Materials tally:
Polipropylen (PP), Brass



Max. pressure 0,6MPa / 1Mpa

Max. temp. +60°C / +80°C

Operating range:



Size	d	z	L	G
16 x 1/2"	15,2	14,3	39,8	1/2"
20 x 1/2"	19,1	16,8	39,8	1/2"
20 x 3/4"	19,1	16,5	41,7	3/4"
25 x 1/2"	23,8	18,0	41,8	1/2"
25 x 3/4"	23,8	18,6	42,8	3/4"
32 x 3/4"	30,8	20,9	44,1	3/4"
32 x 1"	30,8	21,7	46,7	1"

EAN	Code	Size
5907732049800	PPRZZGW016X1/2.1004	16 x 1/2"
5907732047325	PPRZZGW020X1/2.1004	20 x 1/2"
5907732047332	PPRZZGW020X3/4.1004	20 x 3/4"
5907732047349	PPRZZGW025X1/2.1004	25 x 1/2"
5907732047356	PPRZZGW025X3/4.1004	25 x 3/4"
5907732088274	PPRZZGW032X3/4.1004	32 x 3/4"
5907732087529	PPRZZGW032X1.1004	32 x 1"

STRAIGHT CONNECTOR WITH SEMI PIPE JOINT

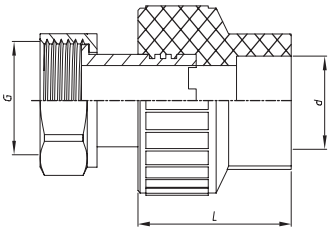
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1MPa at +60°C**
0,6MPa at +80°C
Max. working temperature: **+80°C**
Mounting position: **Universal**

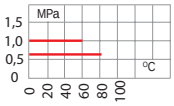
Compliant with:
PN-EN ISO 15874

Reference document:
The Declaration of Perfocmance

Materials tally:
Polipropylen (PP), Brass



Operating range:



Size	d	L	G
20 x 1/2"	19,1	35,0	1/2"
20 x 3/4"	19	36	3/4"
25 x 3/4"	23,8	40,5	3/4"

EAN	Code	Size
5907732087277	PPRZZP020X015.1004S	20 x 1/2"
5907732086881	PPRZZP020X020.1004S	20 x 3/4"
5907732050004	PPRZZP025X020.1004S	25 x 3/4"

PIPE JOINT

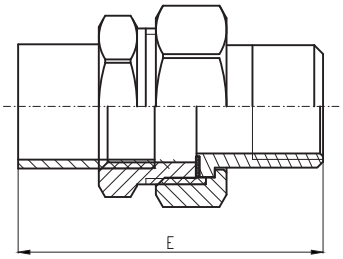
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1MPa at +60°C**
0,6MPa at +80°C
Max. working temperature: **+80°C**
Mounting position: **Universal,**

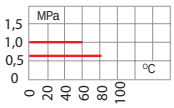
Compliant with:
PN-EN ISO 15874

Reference document:
The Declaration of Perfocmance

Materials tally:
Polipropylen (PP), Brass



Operating range:



Size	Przyłącze	E
16	1/2"	72
20	3/4"	81
25	1"	90
32	1 1/4"	99

EAN	Code	Size
5907732086164	PPRZSM016.1023M	16
5907732050011	PPRZSM020.1023M	20
5907732050028	PPRZSM025.1023M	25
5907732086225	PPRZSM032.1023M	32

BYPASS NIPPLE

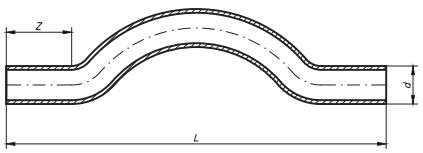
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1MPa at +60°C**
0,6MP at +80°C
Max. working temperature: **+80°C**
Mounting position: **Universal,**

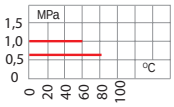
Compliant with:
PN-EN ISO 15874

Reference document:
The Declaration of Perfocmance

Materials tally:
Polipropylen (PP)



Operating range:



Size	d	Z	L
16	15,2	40	300
20	19,1	40	300
25	23,8	40	300
32	30,8	40	300

EAN	Code	Size
5907732049923	PPRZZOD016.1028	16
5907732049299	PPRZZOD020.1028	20
5907732049305	PPRZZOD025.1028	25
5907732049312	PPRZZOD032.1028	32

PPR END CAP

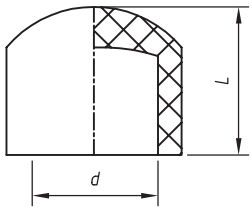
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1MPa at +60°C**
0,6MPa at +80°C
Max. working temperature: **+80°C**
Mounting position: **Universal**

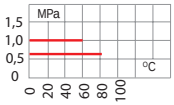
Compliant with:
PN-EN ISO 15874

Reference document:
The Declaration of Perfocmance

Materials tally:
Polipropylen (PP)



Operating range:



Size	d	L
16	15,2	20,3
20	19,8	22,1
25	23,8	25,8
32	30,8	28,8

EAN	Code	Size
5907732049916	PPRZAZ016.1025	16
5907732049176	PPRZAZ020.1025	20
5907732049183	PPRZAZ025.1025	25
5907732049190	PPRZAZ032.1025	32

CONNECTION STRIPE WITH DOUBLE FEMALE SEATED ELBOW

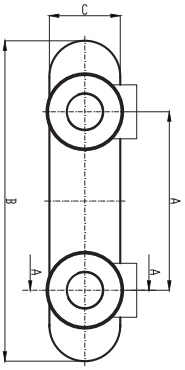
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1MPa at +60°C**
0,6MPa at +80°C
Max. working temperature: **+80°C**
Mounting position: **Universal**

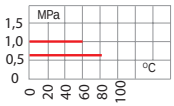
Compliant with:
PN-EN ISO 15874

Reference document:
The Declaration of Perfocmance

Materials tally:
Polipropylen (PP), Brass



Operating range:



A	B	C
148	225	25

EAN	Code	Size
5907732044706	PPRZLB20X1/2.2024	20 x 1/2"

BALL VALVE WITH HANDLE

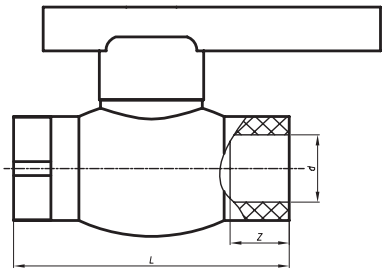
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1MPa at +60°C**
0,6MPa at +80°C
Max. working temperature: **+80°C**
Mounting position: **Universal**

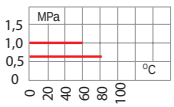
Compliant with:
PN-EN ISO 15874

Reference document:
The Declaration of Perfocmance

Materials tally:
Body, rączka: Polipropylen (PP)
Spindle: Brass
Ball: Steel



Operating range:



Size	d	Z	L
16	15,2	17,7	74,5
20	19,8	17,7	74,5
25	23,8	18,4	77,3
32	30,8	18,7	79,8

EAN	Code	Size
5907732086157	PPRKKPSR016.1034	16
5907732048964	PPRKKPSR020.1034	20
5907732048971	PPRKKPSR025.1034	25
5907732048988	PPRKKPSR032.1034	32

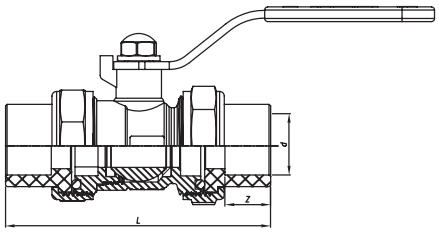
DOUBLE SEMI PIPE JOINT BALL VALVE

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1MPa at +60°C**
0,6MPa at +80°C
Max. working temperature: **+80°C**
Mounting position: **Universal**

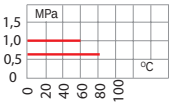
Compliant with:
PN-EN ISO 15874

Reference document:
The Declaration of Perfocmance



Materials tally:
Body, śrubunek, Spindle: Brass
Przyłącza: Polipropylen (PP)
Ball, rączka: Steel

Operating range:



Size	d	Z	L
20	19,8	16,5	82,7
25	23,8	17,0	93,0
32	30,8	20,3	97,8

EAN	Code	Size
5907732049381	PPRKKM020.1033	20
5907732049398	PPRKKM025.1033	25
5907732049404	PPRKKM032.1033	32

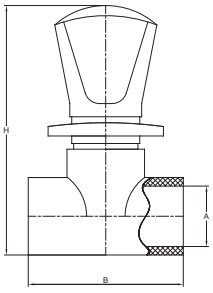
CONCEALED BALL VALVE CHROME*

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1MPa at +60°C**
0,6MPa at +80°C
Max. working temperature: **+80°C**
Mounting position: **Universal**

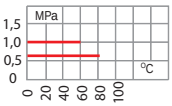
Compliant with:
PN-EN ISO 15874

Reference document:
The Declaration of Perfocmance



Materials tally:
Body: Polipropylen (PP)
Spindle., Screw, grzybek: Brass
Handwheel, Rosette: Steel Chromeowana

Operating range:



Size	A	B
20	30	75
25	34	76
32	41	82

EAN	Code	Size
5907732048872	PPRKZP020.1020	20
5907732048889	PPRKZP025.1020	25
5907732048896	PPRKZP032.1020	32

*to order

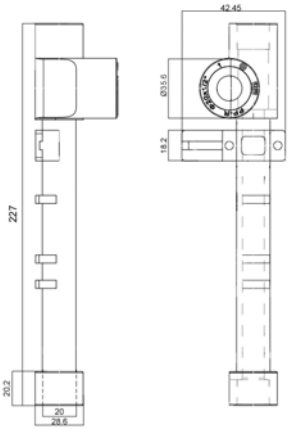
DOUBLE CONNECTION BLOCK WITH DOUBLE FEMALE SEATED ELBOW

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1MPa at +60°C**
0,6MPa at +80°C
Max. working temperature: **+80°C**
Mounting position: **Universal**

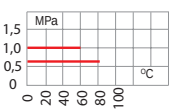
Compliant with:
PN-EN ISO 15874

Reference document:
The Declaration of Perfocmance



Materials tally:
Body: Polipropylen (PP)
Spindle., Screw, grzybek: Brass
Handwheel, Rosette: Steel Chromeowana

Operating range:



EAN	Code	Size
5907732088199	PPRKNGW020X1/2.1010	20 x 1/2"

PIPE JOINT WITH INNER THREAD

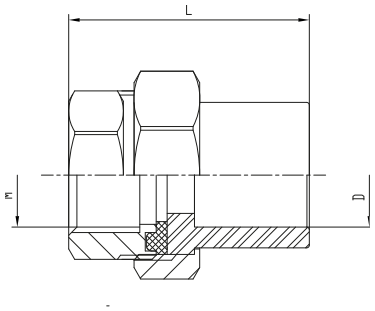
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1MPa at +60°C**
0,6MPa at +80°C
Max. working temperature: **+80°C**
Mounting position: **Universal**

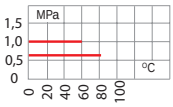
Compliant with:
PN-EN ISO 15874

Reference document:
The Declaration of Perfocmance

Materials tally:
Polipropylen (PP), Brass



Operating range:



Size	D	L	M
20 x 1/2"	19,1	39,8	1/2"
25 x 3/4"	23,8	42,8	3/4"
32 x 1"	30,8	40,1	1"

EAN	Code	Size
5907732048698	PPRZSGW020X1/2.1017	20 x 1/2"
5907732048704	PPRZSGW025X3/4.1017	25 x 3/4"
5907732048711	PPRZSGW032X1.1017	32 x 1"

PIPE JOINT WITH OUTER THREAD

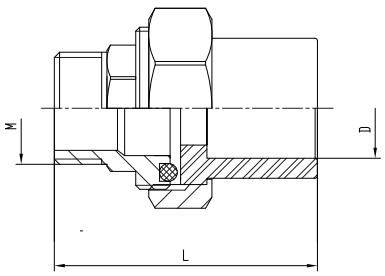
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1MPa at +60°C**
0,6MPa at +80°C
Max. working temperature: **+80°C**
Mounting position: **Universal**

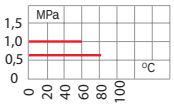
Compliant with:
PN-EN ISO 15874

Reference document:
The Declaration of Perfocmance

Materials tally:
Polipropylen (PP), Brass



Operating range:



Size	D	L	M
20 x 1/2"	19,1	41,8	1/2"
20 x 3/4"	19,1	41,8	3/4"
25 x 3/4"	23,8	42,7	3/4"
25 x 1"	23.8	42.7	1"
32 x 1"	30,8	45,5	1"

EAN	Code	Size
5907732048759	PPRZSGZ020X1/2.1018	20 x 1/2"
5907732088076	PPRZSGZ020X3/4.1018	20 x 3/4"
5907732048766	PPRZSGZ025X3/4.1018	25 x 3/4"
5907732088083	PPRZSGZ025X1.1018	25 x 1"
5907732088533	PPRZSGZ032X3/4.1018	32 x 3/4"
5907732048773	PPRZSGZ032X1.1018	32 x 1"

PLASTIC MOUNTING PLATE

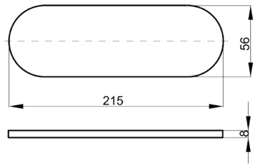
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Mounting position: **Universal**

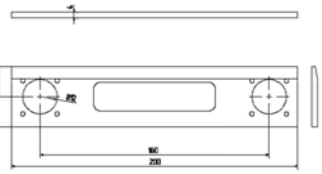
Compliant with:
PN-EN ISO 15874

Reference document:
The Declaration of Perfocmance

Materials tally:
Polipropylen (PP)



EAN	Code	Size
590773050035	PPRAPM	-



EAN	Code	Size
5907732088175	PPRAPMDH	-

LOOP COMPENSATION

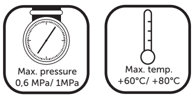
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1MPa at +60°C**
0,6M at +80°C
Max. working temperature: **+80°C**
Mounting position: **Universal**

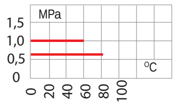
Compliant with:
PN-EN ISO 15874

Reference document:
The Declaration of Perfocmance

Materials tally:
Polipropylen (PP)



Operating range:



EAN	Code	Size
5907732087260	PPRZZPK020.1098	20

PIPE PPR CUTTER

Use:
Cutter for PPR pipes.

Materials tally:
Steel, aluminium

EAN	Code	Size
5907732047066	PPRNN.1036	16 - 40

PIPE SHAVER

Use:
The pipe shaver is for removal of aluminium layer before welding.

Materials tally:
Steel, aluminium

EAN	Code	Size
5907732049954	PPRAZD16/20	16 i 20
5907732049961	PPRAZD20/25	20 i 25
5907732049978	PPRAZD25/32	25 i 32
5907732088151	PPRAZD32/40	32 i 40

WELDING MACHINE*

Use:
Welding machine is for jointing pipes by melting the material (PPR) on the end of connected elements.

Technical data:
Power supply: 230 V

Materials tally:
Steel, Material

EAN	Code	Size
5907732047073	PPRNZ450W.1032	Standard 16-32
5907732047080	PPRNZ750W.1032	Profi 16-63

*to order

SIDE PLASTIC HANDLE WITH A PIN (5 PCS.)

Use:
Mounting accessory for PPR pipes.

EAN	Code	Size
5907732088182	PPRAUW016.1029	16
5907732049329	PPRAUW020.1029	20
5907732049336	PPRAUW025.1029	25
5907732049343	PPRAUW032.1029	32

INSTALLATION SYSTEM

BRASS MOULDINGS
CHROME MOULDINGS
GALVANIZED MOULDINGS
BLACK PIPES AND MOULDINGS

BRASS ELBOW F/F

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

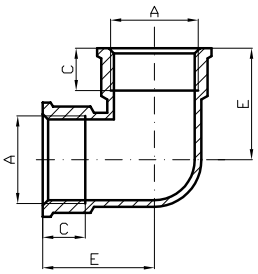
Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+100°C**

Materials tally:
Brass

Compliant with:
PN-EN 1254-4

Reference document:
The Declaration of Perfocmance

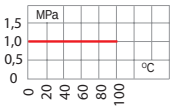
Annotation:
It is recommended to seal the connections with Teflon tape.



Max. pressure 1,0 MPa

Temp. temp. +100°C

Operating range:



Size	A	C	E
3/8"	3/8"	8	21
1/2"	1/2"	13	22
3/4"	3/4"	13	23
1"	1"	16	30

EAN	Code	Size
5907732080193	AIMK010WW.2037	3/8"
5907732080179	AIMK015WW.2037	1/2"
5907732080186	AIMK020WW.2037	3/4"
5907732080162	AIMK025WW.2037	1"

BRASS ELBOW M/F

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

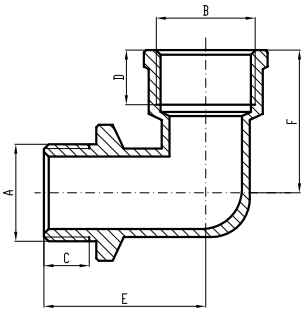
Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+100°C**

Materials tally:
Brass

Compliant with:
PN-EN 1254-4

Reference document:
The Declaration of Perfocmance

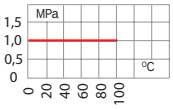
Annotation:
It is recommended to seal the connections with Teflon tape.



Max. pressure 1,0 MPa

Temp. temp. +100°C

Operating range:



Size	A/B	C	D	E	F
3/8"	3/8"	8	10	27	24
1/2"	1/2"	9	10	30	26
3/4"	3/4"	12	14	34	31
1"	1"	13	14	41	36

EAN	Code	Size
5907732080230	AIMK010WZ.2038	3/8"
5907732080216	AIMK015WZ.2038	1/2"
5907732080223	AIMK020WZ.2038	3/4"
5907732080209	AIMK025WZ.2038	1"

BRASS HOSE END

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

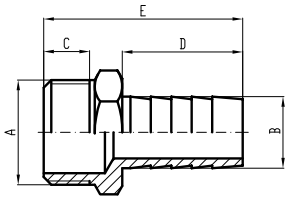
Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+100°C**

Materials tally:
Brass

Compliant with:
PN-EN 1254-4

Reference document:
The Declaration of Perfocmance

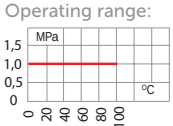
Annotation:
It is recommended to seal the connections with Teflon tape.



Max. pressure 1,0 MPa

Temp. temp. +100°C

Operating range:



Size	A	B	C	D	E
1/2"	1/2"	14	9	24	42

EAN	Code	Size
5907732082593	AIMKW015.2041	1/2", Ø14 mm

BRASS PLUG

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

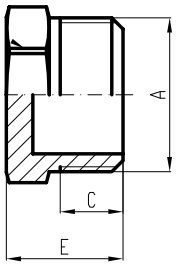
Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+100°C**

Materials tally:
Brass

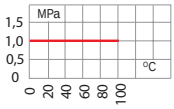
Compliant with:
PN-EN 1254-4

Reference document:
The Declaration of Perfocmance

Annotation:
It is recommended to seal the connections with Teflon tape.



Operating range:



Size	A	C	E
1/2"	1/2"	10	16
3/4"	3/4"	11	17

EAN	Code	Size
5907732082609	AIMKR015.2029	1/2"
5907732080261	AIMKR020.2029	3/4"

BRASS MUFF

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

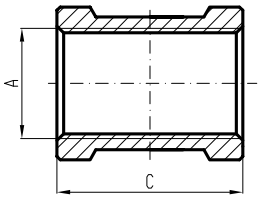
Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+100°C**

Materials tally:
Brass

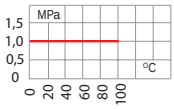
Compliant with:
PN-EN 1254-4

Reference document:
The Declaration of Perfocmance

Annotation:
It is recommended to seal the connections with Teflon tape.



Operating range:



Size	A	C
1/2"	1/2"	27
3/4"	3/4"	31
1"	1"	29

EAN	Code	Size
5907732080285	AIMM015.2031	1/2"
5907732082630	AIMM020.2031	3/4"
5907732080278	AIMM025.2031	1"

BRASS REDUCTION MUFF

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

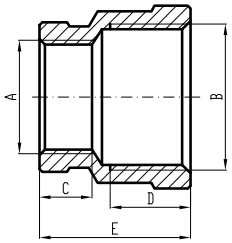
Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+100°C**

Materials tally:
Brass

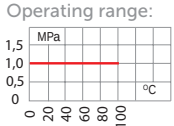
Compliant with:
PN-EN 1254-4

Reference document:
The Declaration of Perfocmance

Annotation:
It is recommended to seal the connections with Teflon tape.



Operating range:



Size	A	B	C	D	E
1/2" x 3/8"	3/8"	1/2"	11	16	27
3/4" x 3/8"	3/8"	3/4"	10	15	28
3/4" x 1/2"	1/2"	3/4"	10	15	28
1" x 3/4"	3/4"	1"	13	17	33

EAN	Code	Size
5907732080308	AIMMR015X010.2049	1/2" x 3/8"
5907732080339	AIMMR020X010.2049	3/4" x 3/8"
5907732080322	AIMMR020X015.2049	3/4" x 1/2"
5907732080315	AIMMR025X020.2049	1" x 3/4"

BRASS CONNECTING RING

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

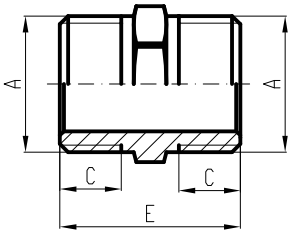
Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+100°C**

Materials tally:
Brass

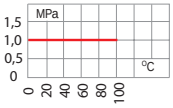
Compliant with:
PN-EN 1254-4

Reference document:
The Declaration of Perfocmance

Annotation:
It is recommended to seal the connections with Teflon tape.



Operating range:



Size	A	C	E
3/8"	3/8"	8	22
1/2"	1/2"	10	26
3/4"	3/4"	11	30
1"	1"	12	31

EAN	Code	Size
5907732080377	AIMN010.2036	3/8"
5907732080353	AIMN015.2036	1/2"
5907732080360	AIMN020.2036	3/4"
5907732080346	AIMN025.2036	1"

BRASS NIPPLE REDUCTION

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

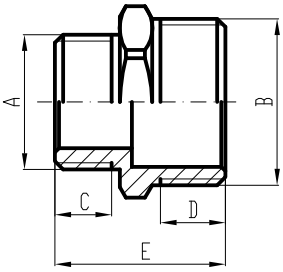
Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+100°C**

Materials tally:
Brass

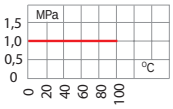
Compliant with:
PN-EN 1254-4

Reference document:
The Declaration of Perfocmance

Annotation:
It is recommended to seal the connections with Teflon tape.



Operating range:



Size	A	B	C	D	E
1/2" x 3/8"	3/8"	1/2"	7	8	23
3/4" x 3/8"	3/8"	3/4"	7	11	26
3/4" x 1/2"	1/2"	3/4"	8	11	27
1" x 3/4"	3/4"	1"	9	11	28

EAN	Code	Size
5907732080384	AIMNR015X010.2034	1/2" x 3/8"
5907732080414	AIMNR020X010.2034	3/4" x 3/8"
5907732080407	AIMNR020X015.2034	3/4" x 1/2"
5907732080391	AIMNR025X020.2034	1" x 3/4"

BRASS MUFF-NIPPLE REDUCTION

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

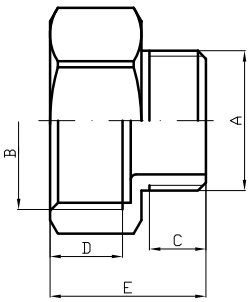
Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+100°C**

Materials tally:
Brass

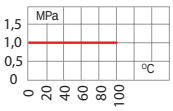
Compliant with:
PN-EN 1254-4

Reference document:
The Declaration of Perfocmance

Annotation:
It is recommended to seal the connections with Teflon tape.



Operating range:



Size	A	B	C	D	E
1/2" x 3/8"	3/8"	1/2"	7	7	18
3/4" x 3/8"	3/8"	3/4"	9	12	24
3/4" x 1/2"	1/2"	3/4"	11	12	25
1" x 3/4"	3/4"	1"	11	14	29

EAN	Code	Size
5907732080438	AIMRMN015X010.2028	1/2" x 3/8"
5907732080452	AIMRMN020X010.2028	3/4" x 3/8"
5907732080445	AIMRMN020X015.2028	3/4" x 1/2"
5907732080421	AIMRMN025X020.2028	1" x 3/4"

BRASS REDUCTION

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+100°C**

Materials tally:
Brass

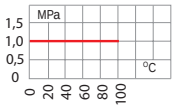
Compliant with:
PN-EN 1254-4

Reference document:
The Declaration of Perfocmance

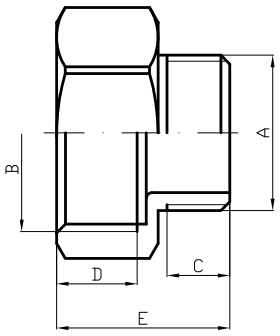
Max. pressure 1,0 MPa

Temp. temp. +100°C

Operating range:



Annotation:
It is recommended to seal the connections with Teflon tape.



Size	A	B	C	E
1/2" x 1/4"	1/2"	1/4"	11	17
1/2" x 3/8"	1/2"	3/8"	10	17
3/4" x 3/8"	3/4"	3/8"	11	19
3/4" x 1/2"	3/4"	1/2"	11	19
1" x 1/2"	1"	1/2"	10	17
1" x 3/4"	1"	3/4"	10	16

EAN	Code	Size
5907732080650	AIMR015X008.2027	1/2" x 1/4"
5907732080605	AIMR015X010.2027	1/2" x 3/8"
5907732080643	AIMR020X010.2027	3/4" x 3/8"
5907732080636	AIMR020X015.2027	3/4" x 1/2"
5907732080612	AIMR025X015.2027	1" x 1/2"
5907732080629	AIMR025X020.2027	1" x 3/4"

BRASS EXTENSION

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+100°C**

Materials tally:
Brass

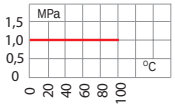
Compliant with:
PN-EN 1254-4

Reference document:
The Declaration of Perfocmance

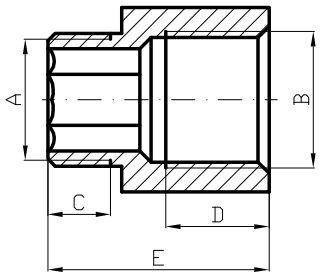
Max. pressure 1,0 MPa

Temp. temp. +100°C

Operating range:



Annotation:
It is recommended to seal the connections with Teflon tape.



Size	A/B	C	E
1/2" 10mm	1/2"	9	20
1/2" 15mm	1/2"	9	25
1/2" 20mm	1/2"	9	30
1/2" 25mm	1/2"	9	35
1/2" 30mm	1/2"	9	40
1/2" 40mm	1/2"	9	50
1/2" 50mm	1/2"	9	50
1/2" 60mm	1/2"	9	70
3/4" 10mm	3/4"	11	21
3/4" 15mm	3/4"	11	26
3/4" 20mm	3/4"	11	26
3/4" 25mm	3/4"	11	26
3/4" 30mm	3/4"	11	40
3/4" 50mm	3/4"	11	61

EAN	Code	Size
5907732080483	AIMP015-10MM.2047	1/2" 10mm
5907732080490	AIMP015-15MM.2047	1/2" 15mm
5907732080506	AIMP015-20MM.2047	1/2" 20mm
5907732080513	AIMP015-25MM.2047	1/2" 25mm
5907732080469	AIMP015-30MM.2047	1/2" 30mm
5907732080476	AIMP015-40MM.2047	1/2" 40mm
5907732080520	AIMP015-50MM.2047	1/2" 50mm
5907732080537	AIMP015-60MM.2047	1/2" 60mm
5907732080575	AIMP020-10MM.2047	3/4" 10mm
5907732080544	AIMP020-15MM.2047	3/4" 15mm
5907732080582	AIMP020-20MM.2047	3/4" 20mm
5907732080599	AIMP020-25MM.2047	3/4" 25mm
5907732080551	AIMP020-30MM.2047	3/4" 30mm
5907732080568	AIMP020-50MM.2047	3/4" 50mm

BRASS T-PIPE

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

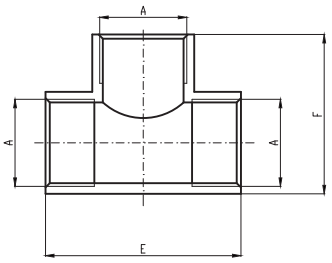
Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+100°C**

Materials tally:
Brass

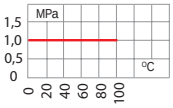
Compliant with:
PN-EN 1254-4

Reference document:
The Declaration of Perfocmance

Annotation:
It is recommended to seal the connections with Teflon tape.



Operating range:



Size	A	E	F
3/8"	3/8"	35	26
1/2"	1/2"	40	30
3/4"	3/4"	47	41
1"	1"	62	47

EAN	Code	Size
5907732080681	AIMT010.2025	3/8"
5907732082944	AIMT015.2025	1/2"
5907732080674	AIMT020.2025	3/4"
5907732081411	AIMT025.2025	1"

BRASS DUMMY PLUG

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

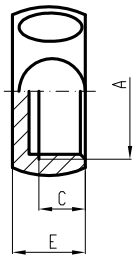
Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+100°C**

Materials tally:
Brass

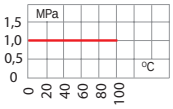
Compliant with:
PN-EN 1254-4

Reference document:
The Declaration of Perfocmance

Annotation:
It is recommended to seal the connections with Teflon tape.



Operating range:



Size	A	C	E
1/2"	1/2"	7	11
3/4"	3/4"	9	12

EAN	Code	Size
5907732087185	AIMZ015.2030	1/2"
5907732080704	AIMZ020.2030	3/4"

BRASS SCREW

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

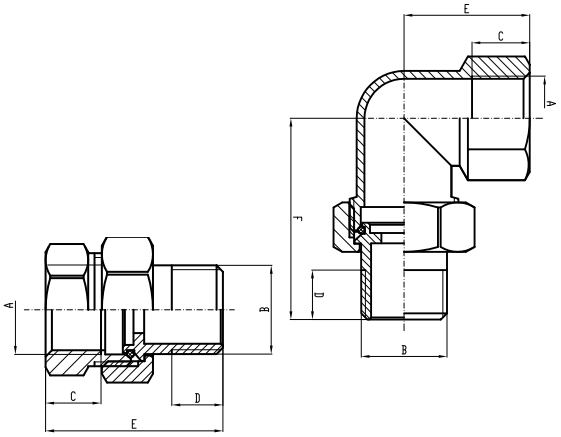
Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+100°C**

Materials tally:
Brass

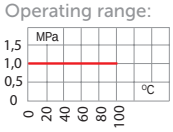
Compliant with:
PN-EN 1254-4

Reference document:
The Declaration of Perfocmance

Annotation:
It is recommended to seal the connections with Teflon tape.



Operating range:



Size	A	B	C	D	E	F
prosty 1/2"	1/2"	1/2"	10	12	42	-
prosty 3/4"	3/4"	3/4"	12	14	48	-
prosty 1"	1"	1"	23	16	63	-
kątowy 1/2"	1/2"	1/2"	14	12	31	49
kątowy 3/4"	3/4"	3/4"	14	14	31	59
kątowy 1"	1"	1"	14	18	36	74

EAN	Code	Size
5907732080711	AIMSP015.2040	prosty 1/2"
5907732080728	AIMSP020.2040	prosty 3/4"
5907732080735	AIMSP025.2040	prosty 1"
5907732082432	AIMSK015.2039	kątowy 1/2"
5907732080759	AIMSK020.2039	kątowy 3/4"
5907732080766	AIMSK025.2039	kątowy 1"

ELBOW CHROME F/F

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+100°C**

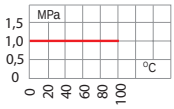
Materials tally:
Brass

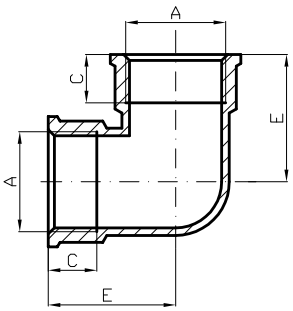
Compliant with:
PN-EN 1254-4

Reference document:
The Declaration of Perfocmance

Annotation:
It is recommended to seal the connections with Teflon tape.

Operating range:





Size	A	C	E
3/8"	3/8"	8	21
1/2"	1/2"	13	22
3/4"	3/4"	13	23

EAN	Code	Size
5907732080827	AICHK010WW.2037	3/8"
590773200803	AICHK015WW.2037	1/2"
570773200810	AICHK020WW.2037	3/4"

ELBOW CHROME M/F

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+100°C**

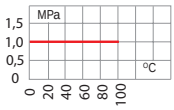
Materials tally:
Brass

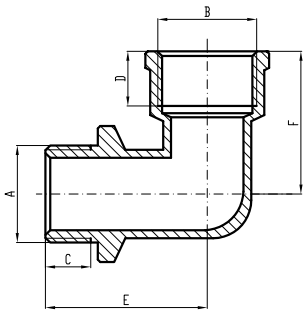
Compliant with:
PN-EN 1254-4

Reference document:
The Declaration of Perfocmance

Annotation:
It is recommended to seal the connections with Teflon tape.

Operating range:





Size	A/B	C	D	E	F
3/8"	3/8"	8	10	27	24
1/2"	1/2"	9	10	30	26
3/4"	3/4"	12	14	34	31

EAN	Code	Size
5907732080858	AICHK010WZ.2038	3/8"
5907732080834	AICHK015WZ.2038	1/2"
5907732080841	AICHK020WZ.2038	3/4"

MUFF CHROME

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+100°C**

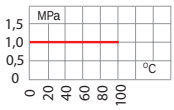
Materials tally:
Brass

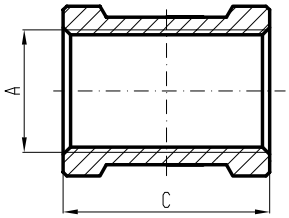
Compliant with:
PN-EN 1254-4

Reference document:
The Declaration of Perfocmance

Annotation:
It is recommended to seal the connections with Teflon tape.

Operating range:





Size	A	C
3/8"	3/8"	26
1/2"	1/2"	27
3/4"	3/4"	31

EAN	Code	Size
5907732080919	AICHM010.2031	3/8"
5907732080896	AICHM015.2031	1/2"
5907732080902	AICHM020.2031	3/4"

REDUCTION MUFF CHROME

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

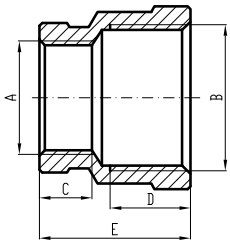
Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+100°C**

Materials tally:
Brass

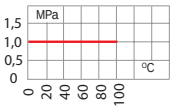
Compliant with:
PN-EN 1254-4

Reference document:
The Declaration of Perfocmance

Annotation:
It is recommended to seal the connections with Teflon tape.



Operating range:



Size	A	B	C	D	E
1/2" x 3/8"	3/8"	1/2"	11	16	27
3/4" x 1/2"	1/2"	3/4"	10	15	28

EAN	Code	Size
5907732080926	AICHMR015X010.2049	1/2"x3/8"
5907732080933	AICHMR020X015.2049	3/4"x1/2"

NIPPLE CHROME

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

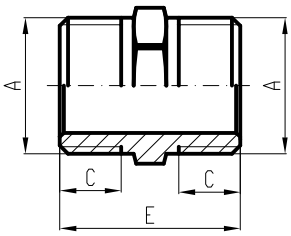
Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+100°C**

Materials tally:
Brass

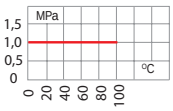
Compliant with:
PN-EN 1254-4

Reference document:
The Declaration of Perfocmance

Annotation:
It is recommended to seal the connections with Teflon tape.



Operating range:



Size	A	C	E
1/2"	1/2"	10	26
3/4"	3/4"	11	30

EAN	Code	Size
5907732087178	AICHN010.2036	3/8"
5907732080940	AICHN015.2036	1/2"
5907732080957	AICHN020.2036	3/4"

REDUCTION NIPPLE CHROME

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

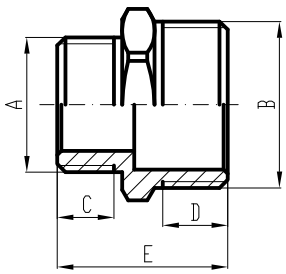
Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+100°C**

Materials tally:
Brass

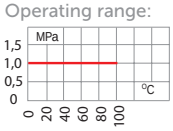
Compliant with:
PN-EN 1254-4

Reference document:
The Declaration of Perfocmance

Annotation:
It is recommended to seal the connections with Teflon tape.



Operating range:



Size	A	B	C	D	E
1/2"x3/8"	3/8"	1/2"	7	8	23
3/4"x1/2"	1/2"	3/4"	8	11	27

EAN	Code	Size
5907732080971	AICHNR015X010.2034	1/2"x3/8"
5907732080988	AICHNR020X015.2034	3/4"x1/2"

PLUG CHROME

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+100°C**

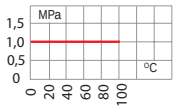
Materials tally:
Brass

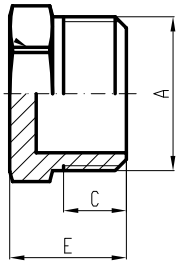
Compliant with:
PN-EN 1254-4

Reference document:
The Declaration of Perfocmance

Annotation:
It is recommended to seal the connections with Teflon tape.

Operating range:





Size	A	C	E
3/8"	3/8"	10	16
1/2"	1/2"	10	16
3/4"	3/4"	11	17

EAN	Code	Size
5907732080889	AICHKR010.2029	3/8"
5907732080865	AICHKR015.2029	1/2"
5907732080872	AICHKR020.2029	3/4"

MUFF-NIPPLE REDUCTION CHROME

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+100°C**

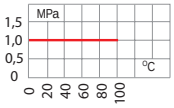
Materials tally:
Brass

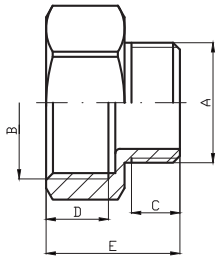
Compliant with:
PN-EN 1254-4

Reference document:
The Declaration of Perfocmance

Annotation:
It is recommended to seal the connections with Teflon tape.

Operating range:





Size	A	B	C	E
1/2" x 3/8"	3/8"	1/2"	7	18
3/4" x 1/2"	1/2"	3/4"	11	22

EAN	Code	Size
5907732080995	AICHRMN015X010.2028	1/2" x 3/8"
5907732081015	AICHRMN020X015.2028	3/4" x 1/2"
5907732081169	AICHR015X010.2027	1/2" x 3/8"
5907732081176	AICHR020X015.2027	3/4" x 1/2"

T-PIPE CHROME

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+100°C**

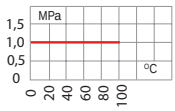
Materials tally:
Brass

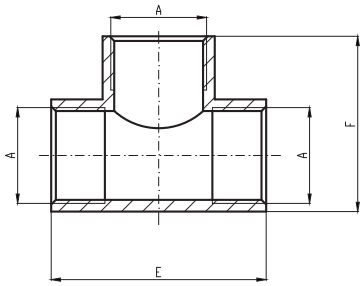
Compliant with:
PN-EN 1254-4

Reference document:
The Declaration of Perfocmance

Annotation:
It is recommended to seal the connections with Teflon tape.

Operating range:

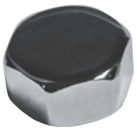




Size	A	E	F
3/8"	3/8"	35	26
1/2"	1/2"	40	30
3/4"	3/4"	52	41
3/8" ZWW	3/8"	45	34
1/2" ZWW	1/2"	50	37

EAN	Code	Size
5907732081213	AICHT010.2025	3/8"
5907732081190	AICHT015.2025	1/2"
5907732081206	AICHT020.2025	3/4"
5907732082326	AICHT010ZWW.2045	3/8" ZWW
5907732081817	AICHT015ZWW.2045	1/2" ZWW

DUMMY PLUG CHROME



Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

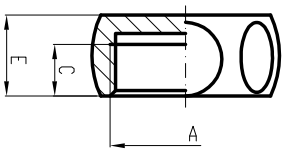
Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+100°C**

Materials tally:
Brass

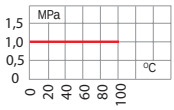
Compliant with:
PN-EN 1254-4

Reference document:
The Declaration of Perfocmance

Annotation:
It is recommended to seal the connections with Teflon tape.



Operating range:



Size	A	C	E
3/8"	3/8"	7	10
1/2"	1/2"	7	11
3/4"	3/4"	9	12

EAN	Code	Size
5907732081244	AICHZ010.2046	3/8"
5907732081220	AICHZ015.2046	1/2"
5907732081237	AICHZ020.2046	3/4"

EXTENSION CHROME

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

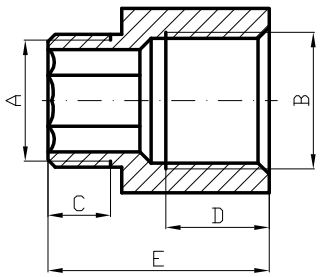
Technical data:
Max. working pressure: **1,0 MPa**
Max. working temperature: **+100°C**

Materials tally:
Brass

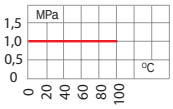
Compliant with:
PN-EN 1254-4

Reference document:
The Declaration of Perfocmance

Annotation:
It is recommended to seal the connections with Teflon tape.



Operating range:



Size	A/B	C	E
1/2" 10mm	1/2"	9	20
1/2" 15mm	1/2"	9	25
1/2" 20mm	1/2"	9	30
1/2" 25mm	1/2"	9	35
1/2" 30mm	1/2"	9	40
1/2" 40mm	1/2"	9	50
1/2" 50mm	1/2"	9	50
1/2" 60mm	1/2"	9	70
3/4" 10mm	3/4"	11	21
3/4" 15mm	3/4"	11	26
3/4" 20mm	3/4"	11	26
3/4" 25mm	3/4"	11	26
3/4" 30mm	3/4"	11	40
3/4" 50mm	3/4"	11	61

EAN	Code	Size
5907732081152	AICHP010-10MM.2047	3/8" 10mm
5907732081046	AICHP015-10MM.2047	1/2" 10mm
5907732081022	AICHP015-15MM.2047	1/2" 15mm
5907732081053	AICHP015-20MM.2047	1/2" 20mm
5907732081060	AICHP015-25MM.2047	1/2" 25mm
5907732081039	AICHP015-30MM.2047	1/2" 30mm
5907732081084	AICHP015-40MM.2047	1/2" 40mm
5907732081077	AICHP015-50MM.2047	1/2" 50mm
5907732081091	AICHP015-60MM.2047	1/2" 60mm
5907732081107	AICHP020-15MM.2047	3/4" 15mm
5907732081138	AICHP020-20MM.2047	3/4" 20mm
5907732081114	AICHP020-30MM.2047	3/4" 30mm
5907732081145	AICHP020-40MM.2047	3/4" 40mm
5907732081121	AICHP020-50MM.2047	3/4" 50mm

ANGLE UNION COUPLER

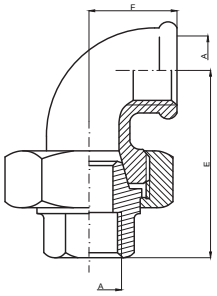
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **2,5 MPa**
Max. working temperature: **+120°C**

Materials tally:
Cast iron

Compliant with:
PN-EN 10242

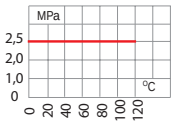
Reference document:
The Declaration of Perfocmance



Max. pressure 2,5 MPa

Temp. temp. +120°C

Operating range:



Size	A	E	F
1/2"	1/2"	58	28
3/4"	3/4"	62	33
1"	1"	72	38

EAN	Code	Size
5907465163187	AIZOSKP015WW.K	1/2"
5907465163194	AIZOSKP020WW.K	3/4"
5907465163200	AIZOSKP025WW.K	1"

UNION COUPLER

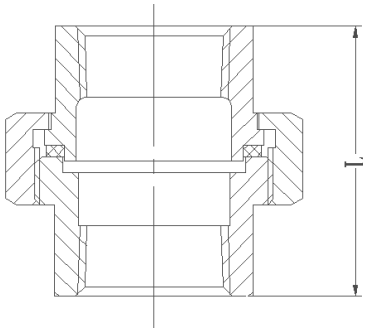
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **2,5 MPa**
Max. working temperature: **+120°C**

Materials tally:
Cast iron

Compliant with:
PN-EN 10242

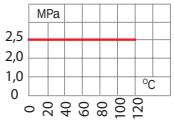
Reference document:
The Declaration of Perfocmance



Max. pressure 2,5 MPa

Temp. temp. +120°C

Operating range:



Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
L	48	52	58	65	70	78	85	95	110

EAN	Code	Size
5907465160001	AIZOSSP015WW.K	1/2"
5907465160056	AIZOSSP020WW.K	3/4"
5907465160049	AIZOSSP025WW.K	1"
5907465160018	AIZOSSPO32WW.K	1 1/4"
5907465160032	AIZOSPP040WW.K	1 1/2"
5907465160025	AIZOSPP050WW.K	2"
5903263722380	AIZOSPP065WW.K	2 1/2"
5903263721802	AIZOSPP080WW.K	3"
5903263722847	AIZOSPP100WW.K	4"

UNION COUPLER

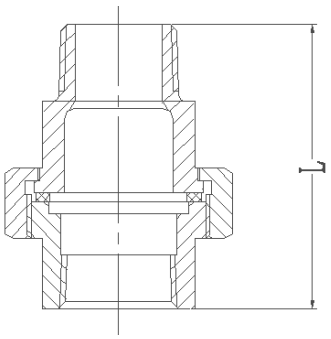
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **2,5 MPa**
Max. working temperature: **+120°C**

Materials tally:
Cast iron

Compliant with:
PN-EN 10242

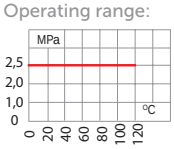
Reference document:
The Declaration of Perfocmance



Max. pressure 2,5 MPa

Temp. temp. +120°C

Operating range:



Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
L	66	72	80	90	95	106

EAN	Code	Size
5903263721871	AIZOSPP015WZ.K	1/2"
5903263721543	AIZOSPP020WZ.K	3/4"
5903263721888	AIZOSPP025WZ.K	1"
5903263721895	AIZOSPP032WZ.K	1 1/4"
5903263721901	AIZOSPP040WZ.K	1 1/2"
5903263721918	AIZOSPP050WZ.K	2"

ELBOW

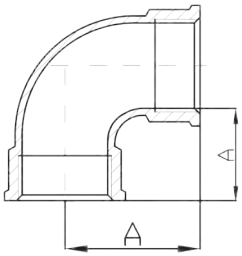
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **2,5 MPa**
Max. working temperature: **+120°C**

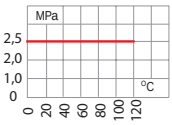
Materials tally:
Cast iron

Compliant with:
PN-EN 10242

Reference document:
The Declaration of Perfocmance



Operating range:



Size	1/2"	3/4"	1"	11/4"	1 1/2"	2"	21/2"	3"	4"	3/4" x 1/2"	1" x 3/4"
A	28	33	38	45	50	58	69	78	96	30	35

EAN	Code	Size
5907465160247	AIZOK015WW.K	1/2"
5907465160261	AIZOK020WW.K	3/4"
5907465160230	AIZOK025WW.K	1"
5907465160124	AIZOK032WW.K	1 1/4"
5907465160117	AIZOK040WW.K	1 1/2"
5907465160254	AIZOK050WW.K	2"
5903263722366	AIZOK065WW.K	2 1/2"
5903263722830	AIZOK080WW.K	3"
5903263722854	AIZOK100WW.K	4"
5907465160292	AIZOKRR020X015WW.K	3/4" x 1/2"
5907465160285	AIZOKRR025X020WW.K	1" x 3/4"

ELBOW

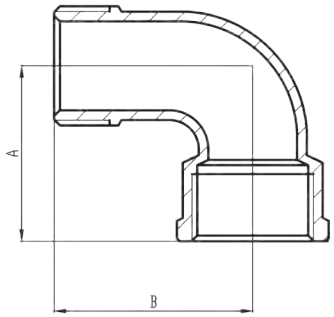
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **2,5 MPa**
Max. working temperature: **+120°C**

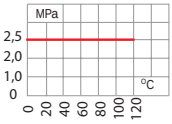
Materials tally:
Cast iron

Compliant with:
PN-EN 10242

Reference document:
The Declaration of Perfocmance



Operating range:



Size	3/8"	1/2"	3/4"	1"	1 1/4	1 1/2"	2"	2 1/2"	3"	4"
A		28	33	38	45	50	58	69	78	96
B		37	43	52	60	65	74	88	98	118

EAN	Code	Size
5903263724247	AIZOK010WZ.K	3/8"
5907465160148	AIZOK015WZ.K	1/2"
5907465160155	AIZOK020WZ.K	3/4"
5907465160100	AIZOK025WZ.K	1"
5907465160179	AIZOK032WZ.K	1 1/4"
5907465160162	AIZOK040WZ.K	1 1/2"
5907465160186	AIZOK050WZ.K	2"
5903263722793	AIZOK065WZ.K	2 1/2"
5903263721550	AIZOK080WZ.K	3"
5903263721499	AIZOK100WZ.K	4"

SQUARE HEAD PLUG

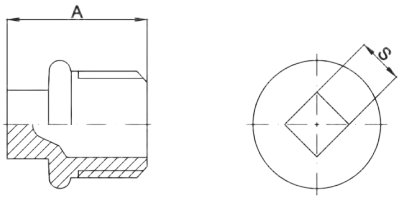
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **2,5 MPa**
Max. working temperature: **+120°C**

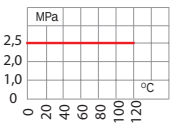
Materials tally:
Cast iron

Compliant with:
PN-EN 10242

Reference document:
The Declaration of Perfocmance



Operating range:



Size	3/8"	1/2"	3/4"	1"	11/4	1 1/2"	2"	21/2"	3"
A	24	26	32	36	39	41	48	54	60
S	11	12	17	19	22	22	27	32	36

EAN	Code	Size
5903263721703	AIZOKR010.K	3/8"
5907465160339	AIZOKR015.K	1/2"
5907465160360	AIZOKR020.K	3/4"
5907465160315	AIZOKR025.K	1"
5907465160346	AIZOKR032.K	1 1/4"
5907465169936	AIZOKR040.K	1 1/2"
5903263721468	AIZOKR050.K	2"
5903263722809	AIZOKR065.K	2 1/2"
5903263722816	AIZOKR080.K	3"

BEND

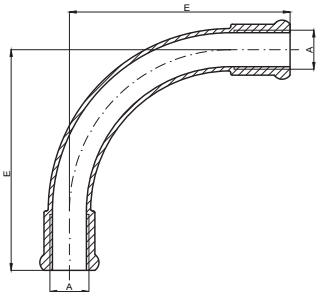
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **2,5 MPa**
Max. working temperature: **+120°C**

Materials tally:
Cast iron

Compliant with:
PN-EN 10242

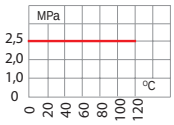
Reference document:
The Declaration of Perfocmance



Max. pressure 2,5 MPa

Temp. temp. +120°C

Operating range:



Size	A	E
1/2"	1/2"	55
3/4"	3/4"	69
1"	1"	85

EAN	Code	Size
5903263721567	AIZOŁ015WW.K	1/2"
5903263721574	AIZOŁ020WW.K	3/4"
5903263721833	AIZOŁ025WW.K	1"

BEND

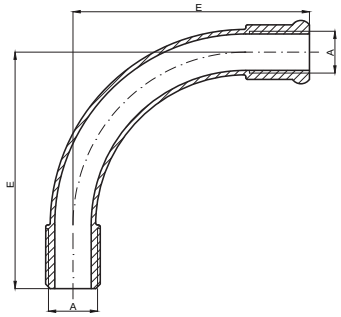
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **2,5 MPa**
Max. working temperature: **+120°C**

Materials tally:
Cast iron

Compliant with:
PN-EN 10242

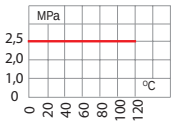
Reference document:
The Declaration of Perfocmance



Max. pressure 2,5 MPa

Temp. temp. +120°C

Operating range:



Size	A	E
1/2"	1/2"	55
3/4"	3/4"	69
1"	1"	85

EAN	Code	Size
5903263721581	AIZOŁ015WZ.K	1/2"
5903263721598	AIZOŁ020WZ.K	3/4"
5903263721857	AIZOŁ025WZ.K	1"

GALVANIZED MOULDINGS

REDUCTION MUFF

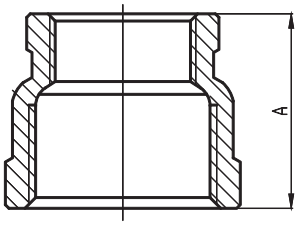
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **2,5 MPa**
Max. working temperature: **+120°C**

Materials tally:
Cast iron

Compliant with:
PN-EN 10242

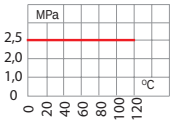
Reference document:
The Declaration of Perfocmance



Max. pressure 2,5 MPa

Temp. temp. +120°C

Operating range:



Size	A
1/2" x 3/8"	36
3/4" x 1/2"	39
1" x 1/2"	45
1" x 3/4"	45
1 1/4" x 3/4"	50
1 1/4" x 1"	50
1 1/2" x 1"	55
1 1/2" x 1 1/4"	55
2" x 1"	65
2" x 1 1/4"	65
2" x 1 1/2"	65

EAN	Code	Size
5903263721611	AIZOMR015X010.K	1/2" x 3/8"
5907465160452	AIZOMR020X015.K	3/4" x 1/2"
5907465160421	AIZOMR025X020.K	1" x 3/4"
5907465160414	AIZOMR025X015.K	1" x 1/2"
5907465160407	AIZOMR032X020.K	1 1/4" x 3/4"
5907465160391	AIZOMR032X025.K	1 1/4" x 1"
5907465160377	AIZOMR040X025.K	1 1/2" x 1"
5907465160384	AIZOMR040X032.K	1 1/2" x 1 1/4"
5903263721475	AIZOMR050X025.K	2" x 1"
5907465160445	AIZOMR050X032.K	2" x 1 1/4"
5907465160438	AIZOMR050X040.K	2" x 1 1/2"

NIPPLE M/M

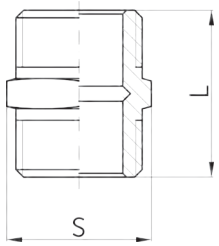
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **2,5 MPa**
Max. working temperature: **+120°C**

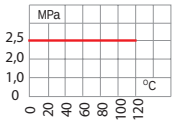
Materials tally:
Cast iron

Compliant with:
PN-EN 10242

Reference document:
The Declaration of Perfocmance



Operating range:



Size	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
L	38	44	47	53	57	59	68	75	83	95
S	22	27	32	38	46	54	64	80	96	122

EAN	Code	Size
5903263721710	AIZON010.K	3/8"
5907465161466	AIZON015.K	1/2"
5907465161480	AIZON020.K	3/4"
5907465161459	AIZON025.K	1"
5907465161411	AIZON032.K	1 1/4"
5907465161404	AIZON040.K	1 1/2"
5907465161473	AIZON050.K	2"
5903263722373	AIZON065.K	2 1/2"
5903263721796	AIZON080.K	3"
5903263721727	AIZON0100.K	4"

REDUCTION CONNECTING RING M/M

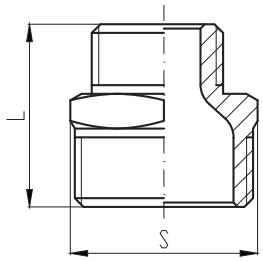
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **2,5 MPa**
Max. working temperature: **+120°C**

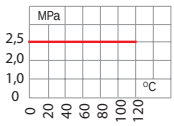
Materials tally:
Cast iron

Compliant with:
PN-EN 10242

Reference document:
The Declaration of Perfocmance



Operating range:



Size	L	S
3/4" x 1/2"	47	32
1" x 1/2"	53	38
1" x 3/4"	53	38
1 1/4" x 3/4"	57	46
1 1/4" x 1"	57	46
1 1/2" x 1"	59	54
1 1/2" x 1 1/4"	59	54
2" x 1"	68	64
2" x 1 1/4"	68	64
2" x 1 1/2"	68	64

EAN	Code	Size
5907465163484	AIZONR020X015.K	3/4" x 1/2"
5907465161121	AIZONR025X015.K	1" x 1/2"
5907465161138	AIZONR025X020.K	1" x 3/4"
5907465161114	AIZONR032X020.K	1 1/4" x 3/4"
5907465161107	AIZONR032X025.K	1 1/4" x 1"
5907465161084	AIZONR040X025.K	1 1/2" x 1"
5907465161091	AIZONR040X032.K	1 1/2" x 1 1/4"
5907465161145	AIZONR050X025.K	2" x 1"
5907465161169	AIZONR050X032.K	2" x 1 1/4"
5907465161152	AIZONR050X040.K	2" x 1 1/2"

MUFF F/F

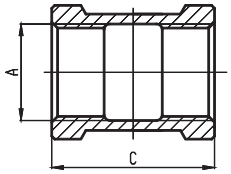
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **2,5 MPa**
Max. working temperature: **+120°C**

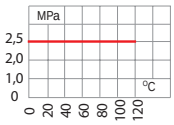
Materials tally:
Cast iron

Compliant with:
PN-EN 10242

Reference document:
The Declaration of Perfocmance



Operating range:



Size	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
A	30	36	39	45	50	55	65	74	80	94

EAN	Code	Size
5903263721819	AIZOM010.K	3/8"
5907465161367	AIZOM015.K	1/2"
5907465161374	AIZOM020.K	3/4"
5907465161350	AIZOM025.K	1"
5907465161336	AIZOM032.K	1 1/4"
5907465161183	AIZOM040.K	1 1/2"
5907465161206	AIZOM050.K	2"
5903263721734	AIZOM065.K	2 1/2"
5903263721826	AIZOM080.K	3"
5903263722861	AIZOM100.K	4"

EXTENSION M/F

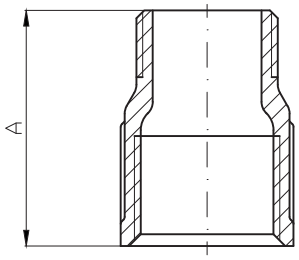
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **2,5 MPa**
Max. working temperature: **+120°C**

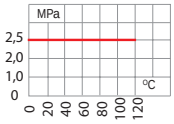
Materials tally:
Cast iron

Compliant with:
PN-EN 10242

Reference document:
The Declaration of Perfocmance



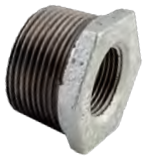
Operating range:



Size	1/2"	3/4"	1"	1 1/4"
A	43	48	55	60

EAN	Code	Size
5907465160483	AIZOP015.K	1/2"
5903263722489	AIZOP020.K	3/4"
5907465169875	AIZOP025.K	1"
5903263720027	AIZOP032.K	1 1/4"

REDUCTION CONNECTOR M/F



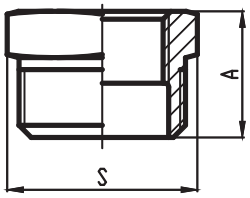
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **2,5 MPa**
Max. working temperature: **+120°C**

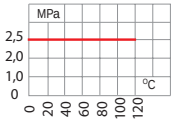
Materials tally:
Cast iron

Compliant with:
PN-EN 10242

Reference document:
The Declaration of Perfocmance



Operating range:



Size	A	S
3/4" x 1/2"	26	30
1 x 1/2"	29	36
1" x 3/4"	29	36
1 1/4" x 3/4"	31	46
1 1/4" x 1"	31	46
1 1/2" x 1"	31	54
1 1/2" x 1 1/4"	31	54
2" x 1"	35	68
2" x 1 1/4"	35	64
2" x 1 1/2"	35	64

EAN	Code	Size
5907465161329	AIZOR020X015.K	3/4" x 1/2"
5907465161312	AIZOR025X020.K	1" x 3/4"
5907465161305	AIZOR025X015.K	1" x 1/2"
5907465169707	AIZOR032X020.K	1 1/4" x 3/4"
5907465161251	AIZOR032X025.K	1 1/4" x 1"
5907465161398	AIZOR040X025.K	1 1/2" x 1"
5907465161244	AIZOR040X032.K	1 1/2" x 1 1/4"
5907465161268	AIZOR050X025.K	2" x 1"
5907465161282	AIZOR050X032.K	2" x 1 1/4"
5907465161275	AIZOR050X040.K	2" x 1 1/2"

BYPASS F/F

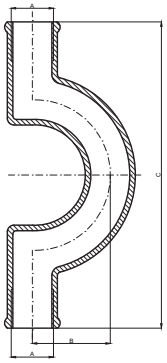
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **2,5 MPa**
Max. working temperature: **+120°C**

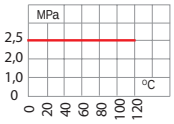
Materials tally:
Cast iron

Compliant with:
PN-EN 10242

Reference document:
The Declaration of Perfocmance



Operating range:



Size	A	C	B
1/2"	1/2"	86	51
3/4"	3/4"	94	55

EAN	Code	Size
5907465160469	AIZOO015.K	1/2"
5907465160476	AIZOO025.K	3/4"

T-PIPE F/F/F

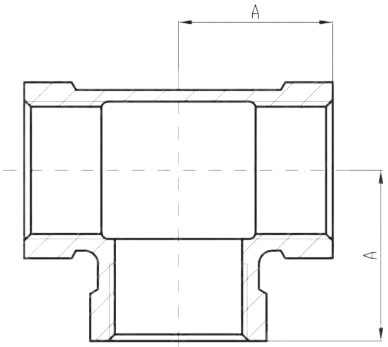
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **2,5 MPa**
Max. working temperature: **+120°C**

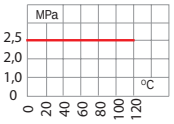
Materials tally:
Cast iron

Compliant with:
PN-EN 10242

Reference document:
The Declaration of Perfocmance



Operating range:



Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
A	28	33	38	45	50	58	69	78	96

EAN	Code	Size
5907465160971	AIZOT015.K	1/2"
5907465161060	AIZOT020.K	3/4"
5907465160964	AIZOT025.K	1"
5907465160940	AIZOT032.K	1 1/4"
5907465160988	AIZOT040.K	1 1/2"
5907465161046	AIZOT050.K	2"
5903263722359	AIZOT065.K	2 1/2"
5903263721505	AIZOT080.K	3"
5903263722823	AIZOT100.K	4"

REDUCTION T-PIPE F/F/F

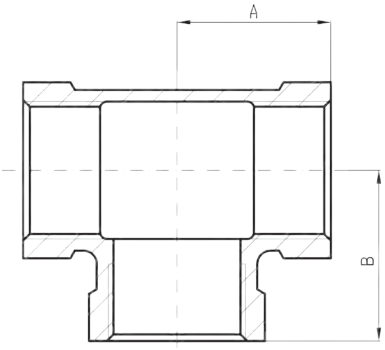
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **2,5 MPa**
Max. working temperature: **+120°C**

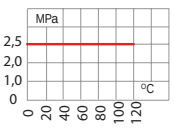
Materials tally:
Cast iron

Compliant with:
PN-EN 10242

Reference document:
The Declaration of Perfocmance



Operating range:



Size	A	B
3/4" x 1/2"	30	31
1" x 1/2"	32	34
1" x 3/4"	35	36
1 1/4" x 3/4"	36	41
1 1/4" x 1"	40	42
1 1/2" x 1"	42	46

EAN	Code	Size
5907465161077	AIZOTR020X015.K	3/4" x 1/2"
5907465161015	AIZOTR025X015.K	1" x 1/2"
5907465161039	AIZOTR025X020.K	1" x 3/4"
5907465160919	AIZOTR032X020.K	1 1/4" x 3/4"
5907465160995	AIZOTR032X025.K	1 1/4" x 1"
5907465169929	AIZOTR040X025.K	1 1/2" x 1"

DUMMY PLUG

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

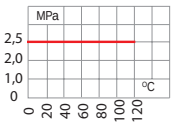
Technical data:
Max. working pressure: **2,5 MPa**
Max. working temperature: **+120°C**

Materials tally:
Cast iron

Compliant with:
PN-EN 10242

Reference document:
The Declaration of Perfocmance

Operating range:



EAN	Code	Size
5907465169882	AIZOZ015.K	1/2"
5907465169899	AIZOZ020.K	3/4"
5907465169905	AIZOZ025.K	1"
5903263721437	AIZOZ032.K	1 1/4"

PIPE

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

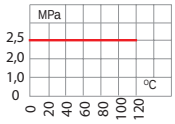
Technical data:
Max. working pressure: **2,5 MPa**
Max. working temperature: **+120°C**

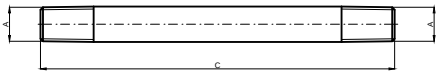
Materials tally:
Steel

Compliant with:
PN-EN 10242

Reference document:
The Declaration of Perfocmance

Operating range:





Size	A	C
15/50mm	1/2"	50
15/100mm	1/2"	100
15/150mm	1/2"	150
15/200mm	1/2"	200
15/300mm	1/2"	300
15/350mm	1/2"	350
15/400mm	1/2"	400
15/500mm	1/2"	500
15/1000mm	1/2"	1000
15/2000mm	1/2"	2000
15/3000mm	1/2"	3000
20/50mm	3/4"	50
20/100mm	3/4"	100
20/200mm	3/4"	200
20/300mm	3/4"	300
20/500mm	3/4"	500
20/1000mm	3/4"	1000
20/2000mm	3/4"	2000
20/3000mm	3/4"	3000
25/1000mm	1"	1000
25/2000mm	1"	2000
25/3000mm	1"	3000

EAN	Code	Size
5907465160711	ROG15/050	15/50mm
5907732084153	ROG15/100	15/100mm
5907465160612	ROG15/150	15/150mm
5907465160674	ROG15/200	15/200mm
5907465160827	ROG15/300	15/300mm
5907465160681	ROG15/350	15/350mm
5907465160698	ROG15/400	15/400mm
5907465160704	ROG15/500	15/500mm
5907465160490	ROG15/1000	15/1000mm
5907465160629	ROG15/2000	15/2000mm
5907465160650	ROG15/3000	15/3000mm
5907732084160	ROG20/050	20/50mm
5907465160759	ROG20/100	20/100mm
5907465160797	ROG20/200	20/200mm
5907465163453	ROG20/300	20/300mm
5907465163477	ROG20/500	20/500mm
5907465160735	ROG20/1000	20/1000mm
5907465160773	ROG20/2000	20/2000mm
5907465160803	ROG20/3000	20/3000mm
5907465160834	ROG25/1000	25/1000mm
5907465160858	ROG25/2000	25/2000mm
5907465160872	ROG25/3000	25/3000mm

ELBOW F/F

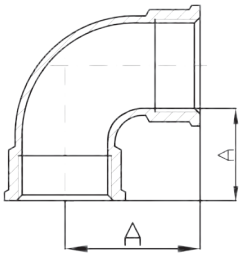
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **2,5 MPa**
Max. working temperature: **+120°C**

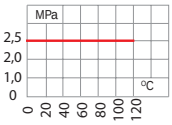
Materials tally:
Cast iron

Compliant with:
PN-EN 10242

Reference document:
The Declaration of Perfocmance



Operating range:



Size	1/2"	3/4"	1"	11/4	1 1/2"	2"
A	28	33	38	45	50	58

EAN	Code	Size
5907465160278	AIZCK015WW.K	1/2"
5907465160223	AIZCK020WW.K	3/4"
5907465160216	AIZCK025WW.K	1"
5903263721529	AIZCK032WW.K	1 1/4"
5903263721536	AIZCK040WW.K	1 1/2"
5903263721482	AIZCK050WW.K	2"

ELBOW M/F

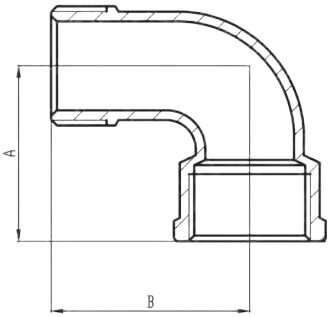
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **2,5 MPa**
Max. working temperature: **+120°C**

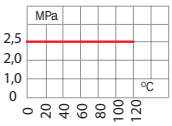
Materials tally:
Cast iron

Compliant with:
PN-EN 10242

Reference document:
The Declaration of Perfocmance



Operating range:



Size	1/2"	3/4"	1"	11/4	1 1/2"	2"
A	28	33	38	45	50	58
B	37	43	52	60	65	74

EAN	Code	Size
5907465160131	AIZCK015WZ.K	1/2"
5907465160209	AIZCK020WZ.K	3/4"
5907465160193	AIZCK025WZ.K	1"
5903263721413	AIZCK032WZ.K	1 1/4"
5903263721420	AIZCK040WZ.K	1 1/2"
5903263721642	AIZCK050WZ.K	2"

DUMMY PLUG

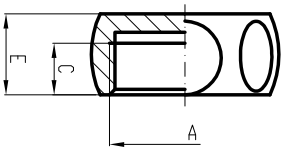
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **2,5 MPa**
Max. working temperature: **+120°C**

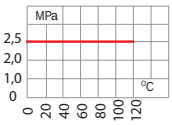
Materials tally:
Cast iron

Compliant with:
PN-EN 10242

Reference document:
The Declaration of Perfocmance



Operating range:



Size	A	C	E
1/2"	1/2"	7	19
3/4	3/4"	9	22

EAN	Code	Size
5903263722571	AIZCZ015.K	1/2"
5903263722588	AIZCZ020.K	3/4"

SQUARE HEAD PLUG

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

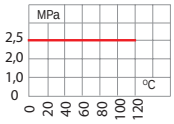
Technical data:
Max. working pressure: **2,5 MPa**
Max. working temperature: **+120°C**

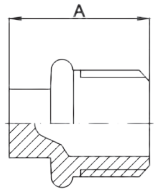
Materials tally:
Cast iron

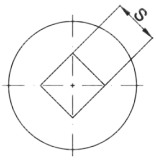
Compliant with:
PN-EN 10242

Reference document:
The Declaration of Perfocmance

Operating range:







Size	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
A	24	26	32	36	39	41	48
S	11	12	17	19	22	22	27

EAN	Code	Size
5903263722656	AIZCKR010.K	3/8"
5907465160322	AIZCKR015.K	1/2"
5907465160353	AIZCKR020.K	3/4"
5907465160308	AIZCKR025.K	1"
5903263721666	AIZCKR032.K	1 1/4"
5903263721635	AIZCKR040.K	1 1/2"
5903263721697	AIZCKR050.K	2"

MUFF F/F

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

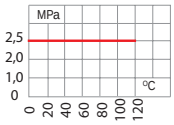
Technical data:
Max. working pressure: **2,5 MPa**
Max. working temperature: **+120°C**

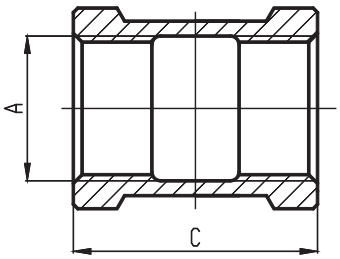
Materials tally:
Cast iron

Compliant with:
PN-EN 10242

Reference document:
The Declaration of Perfocmance

Operating range:





Size	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
C	30	36	39	45	50	55	65

EAN	Code	Size
5903263722663	AIZCM010.K	3/8"
5907465161190	AIZCM015.K	1/2"
5907465161213	AIZCM020.K	3/4"
5907465161343	AIZCM025.K	1"
5903263722410	AIZCM032.K	1 1/4"
5903263721659	AIZCM040.K	1 1/2"
5903263721680	AIZCM050.K	2"

CONNECTOR

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

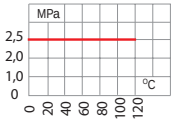
Technical data:
Max. working pressure: **2,5 MPa**
Max. working temperature: **+120°C**

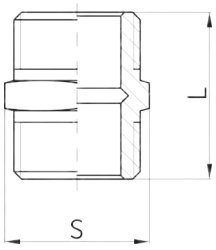
Materials tally:
Cast iron

Compliant with:
PN-EN 10242

Reference document:
The Declaration of Perfocmance

Operating range:





Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
L	44	47	53	57	59	68
S	27	32	38	46	54	64

EAN	Code	Size
5907465161435	AIZCN015.K	1/2"
5907465161442	AIZCN020.K	3/4"
5907465161428	AIZCN025.K	1"
5903263721406	AIZCN032.K	1 1/4"
5903263721673	AIZCN040.K	1 1/2"
5903263721758	AIZCN050.K	2"

REDUCTION CONNECTOR

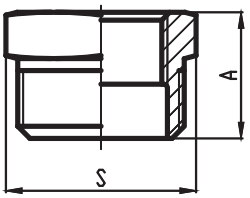
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **2,5 MPa**
Max. working temperature: **+120°C**

Materials tally:
Cast iron

Compliant with:
PN-EN 10242

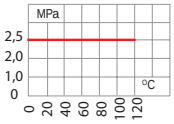
Reference document:
The Declaration of Perfocmance



Max. pressure 2,5 MPa

Temp. temp. +120°C

Operating range:



Size	A	S
3/4" x 1/2"	26	30
1" x 1/2"	29	36
1" x 3/4"	29	36
1 1/4" x 1"	31	46

EAN	Code	Size
5907465161299	AIZCR020X015.K	3/4" x 1/2"
5907465161220	AIZCR025X015.K	1" x 1/2"
5907465161237	AIZCR025X020.K	1" x 3/4"
5903263722632	AIZCR032X025.K	1 1/4" x 1"

T-PIPE F/F/F

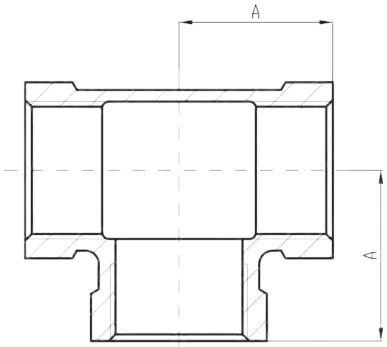
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **2,5 MPa**
Max. working temperature: **+120°C**

Materials tally:
Cast iron

Compliant with:
PN-EN 10242

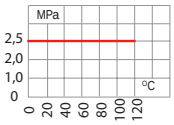
Reference document:
The Declaration of Perfocmance



Max. pressure 2,5 MPa

Temp. temp. +120°C

Operating range:



Size	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
A	25	28	33	38	45	50	58

EAN	Code	Size
5903263722649	AIZCT010.K	3/8"
5907465160933	AIZCT015.K	1/2"
5907465161053	AIZCT020.K	3/4"
5907465160957	AIZCT025.K	1"
5903263721383	AIZCT032.K	1 1/4"
5903263721390	AIZCT040.K	1 1/2"
5903263721512	AIZCT050.K	2"

REDUCTION T-PIPE F/F/F

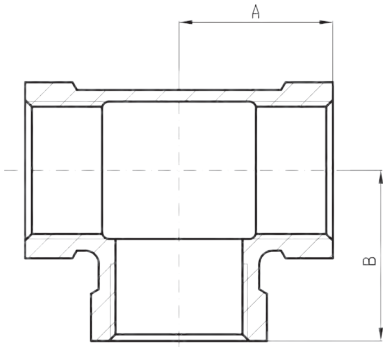
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **2,5 MPa**
Max. working temperature: **+120°C**

Materials tally:
Cast iron

Compliant with:
PN-EN 10242

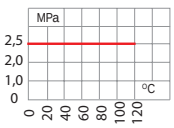
Reference document:
The Declaration of Perfocmance



Max. pressure 2,5 MPa

Temp. temp. +120°C

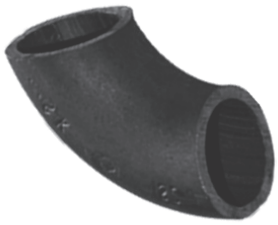
Operating range:



Size	A	B
3/4" x 1/2"	30	31
1" x 3/4"	32	34
1" x 1/2"	35	36

EAN	Code	Size
5907465160926	AIZCTR020X015X020.K	3/4" x 1/2"
5907465161022	AIZCTR025X020X025.K	1" x 3/4"
5907465161008	AIZCTR025X020X020.K	1" x 1/2"

WELDING BEND



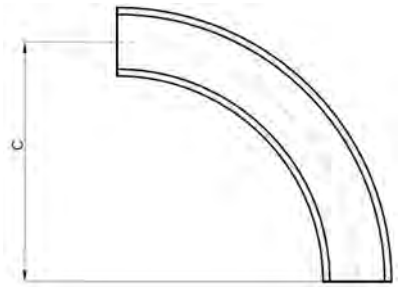
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **2,5 MPa**
Max. working temperature: **+120°C**

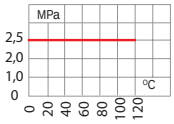
Materials tally:
Steel

Compliant with:
PN-EN 10242

Reference document:
The Declaration of Perfocmance



Operating range:



Size	C
DN 15	30
DN 20	39
DN 25	46
DN 32	56
DN 40	71
DN 50	88

EAN	Code	Size
5907465163125	KOLHAM015	DN15
5907465163132	KOLHAM020	DN20
5907465163149	KOLHAM025	DN25
5907465163156	KOLHAM032	DN32
5907465163163	KOLHAM040	DN40
5907465163170	KOLHAM050	DN50

WELD NIPPLE

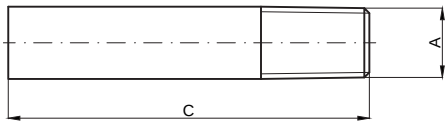
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **2,5 MPa**
Max. working temperature: **+120°C**

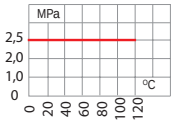
Materials tally:
Steel

Compliant with:
PN-EN 10242

Reference document:
The Declaration of Perfocmance



Operating range:



Size	A	C
1/2"	1/2"	100
3/4"	3/4"	100
1"	1"	100
1 1/4"	1 1/4"	100
1 1/2"	1 1/2"	100
2"	2"	100

EAN	Code	Size
5907465163385	KROCIEC1/2	1/2"
5907465163392	KROCIEC3/4	3/4"
5907465163408	KROCIEC 1	1"
5907465163415	KROCIEC11/4	1 1/4"
5907465163422	KROCIEC11/2	1 1/2"
5907465163439	KROCIEC2	2"

SOCKET

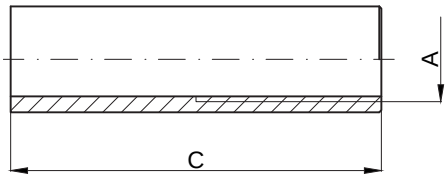
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **2,5 MPa**
Max. working temperature: **+120°C**

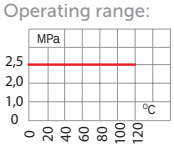
Materials tally:
Steel

Compliant with:
PN-EN 10242

Reference document:
The Declaration of Perfocmance



Operating range:



Size	A	C
1/2"	1/2"	34
3/4"	3/4"	37
1"	1"	40
1 1/4"	1 1/4"	45
1 1/2"	1 1/2"	48
2"	2"	56

EAN	Code	Size
5907465163064	MUFA SPAW1/2	1/2 DN15
5907465163071	MUFA SPAW3/4	3/4 DN20
5907465163088	MUFA SPAW1	1 DN25
5907465163095	MUFA SPAW1 1/4	1 1/4 DN32
5907465163101	MUFA SPAW1 1/2	1 1/2 DN40
5907465163118	MUFA SPAW2	2 DN50

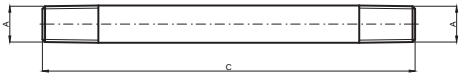
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **2,5 MPa**
Max. working temperature: **+120°C**

Materials tally:
Steel

Compliant with:
PN-EN 10242

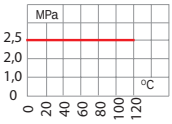
Reference document:
The Declaration of Perfocmance



Max. pressure 2,5 MPa

Temp. temp. +120°C

Operating range:



Size	A	C
15/50mm	1/2"	50
15/100mm	1/2"	100
15/150mm	1/2"	150
15/200mm	1/2"	200
15/300mm	1/2"	300
15/350mm	1/2"	350
15/400mm	1/2"	400
15/500mm	1/2"	500
15/1000mm	1/2"	1000
15/2000mm	1/2"	2000
15/3000mm	1/2"	3000
20/50mm	3/4"	50
20/100mm	3/4"	100
20/200mm	3/4"	200
20/300mm	3/4"	300
20/500mm	3/4"	500
20/1000mm	3/4"	1000
20/2000mm	3/4"	2000
20/3000mm	3/4"	3000
25/1000mm	1"	1000
25/2000mm	1"	2000
25/3000mm	1"	3000

EAN	Code	Size
5907465160506	RCG15/100	15/100mm
5907465160513	RCG15/150	15/150mm
5907465160520	RCG15/200	15/200mm
5907465160537	RCG15/300	15/300mm
5907465160544	RCG15/350	15/350mm
5907465160551	RCG15/400	15/400mm
5907465160568	RCG15/500	15/500mm
5907465160599	RCG15/1000	15/1000mm
5907465160636	RCG15/2000	15/2000mm
5907465160667	RCG15/3000	15/3000mm
5907465160810	RCG20/050	20/50mm
5907465160742	RCG20/100	20/100mm
5907465160780	RCG20/200	20/200mm
5907465163446	RCG20/300	20/300mm
5907465163460	RCG20/500	20/500mm
5907465160728	RCG20/1000	20/1000mm
5907465164900	RCG25/100	25/100mm
5907465164924	RCG25/200	25/200mm
5907465164984	RCG25/300	25/300mm
5907465160582	RCG25/1000	25/1000mm

GLUED PVC SYSTEM

COLD WATER
HOT WATER

PIPE PVC PN 20 - COLD WATER (3m)

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

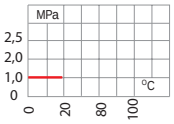
Technical data:
Max. working pressure: **2,0 MPa**
Working pressure: **1,0 MPa**
Working temperature: **from +1°C to +20°C**

Compliant with:
PN-EN ISO 1452-2

Reference document:
The Declaration of Perfocmance

Materials tally:
PVC-U

Operating range:



EAN	Code	Size
5907732085877	PVCRU015-PN20-3.301	1/2"
5907732085891	PVCRU020-PN20-3.301	3/4"
5907732085914	PVCRU025-PN20-3.301	1"

PIPE PVC PN 16 - COLD WATER (3m)

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

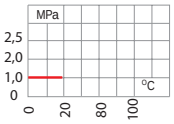
Technical data:
Max. working pressure: **1,0 MPa**
Working temperature: **from +1°C to +20°C**

Compliant with:
PN-EN ISO 1452-2

Reference document:
The Declaration of Perfocmance

Materials tally:
PVC-U

Operating range:



EAN	Code	Size
5907732085860	PVCRU015-PN16-3.301	1/2"
5907732085884	PVCRU020-PN16-3.301	3/4"
5907732085907	PVCRU025-PN16-3.301	1"

GLUED PVC SYSTEM COLD WATER

STRAIGHT COUPLER - COLD WATER

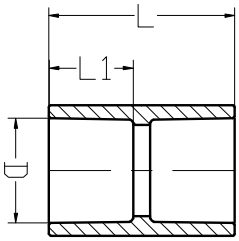
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1,0 MPa**
Working temperature: **from +1°C to +20°C**

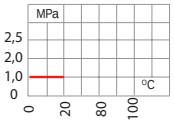
Compliant with:
PN-EN ISO 1452-3

Reference document:
The Declaration of Perfocmance

Materials tally:
PVC-U



Operating range:



Size	D	L1	L
1/2"	21.3	17.5	37.5
3/4"	26.7	18.5	40
1"	33.4	22.5	48.5

EAN	Code	Size
5907732086065	PVCZKW015XKW015.301	1/2"
5907732086089	PVCZKW020XKW020.301	3/4"
5907732086102	PVCZKW025XKW025.301	1"

CONNECTOR WITH OUTER THREAD - COLD WATER

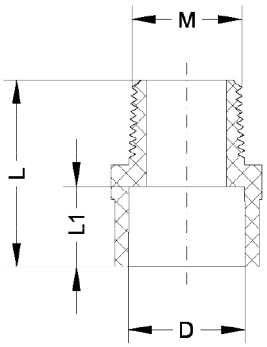
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1,0 MPa**
Working temperature: **from +1°C to +20°C**

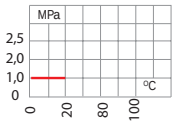
Compliant with:
PN-EN ISO 1452-3

Reference document:
The Declaration of Perfocmance

Materials tally:
PVC-U



Operating range:



Size	D	L1	L	M
1/2"	21.3	17.5	41.5	1/2"
3/4"	26.7	18.5	49	3/4"
1"	33.4	22.5	55	1"

EAN	Code	Size
5907732086072	PVCZKW015XGZ015.301	1/2"
5907732086096	PVCZKW020XGZ020.301	3/4"
5907732086119	PVCZKW025XGZ025.301	1"

COUPLING WITH A BRASS SLEEVE WITH INNER THREAD- COLD WATER

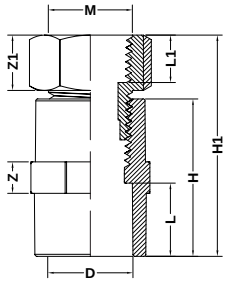
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1,0 MPa**
Working temperature: **from +1°C to +20°C**

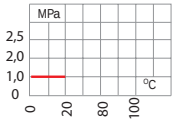
Compliant with:
PN-EN ISO 1452-3

Reference document:
The Declaration of Perfocmance

Materials tally:
PVC-U



Operating range:



Size	D	L	L1	H	H1	Z	Z1	M
1/2"	21.34	18.0	12.0	39.5	58.0	8.0	14.0	1/2"
3/4"	26.67	19.0	15.0	40.0	62.0	8.0	17.5	3/4"
1"	33.40	24.0	17.0	52.0	77.0	8.0	20.0	1"

EAN	Code	Size
5907732086126	PVCZTKW015XGW015.301	1/2"
5907732086133	PVCZTKW020XGW020.301	3/4"
5907732086140	PVCZTKW025XGW025.301	1"

ELBOW 45° - COLD WATER

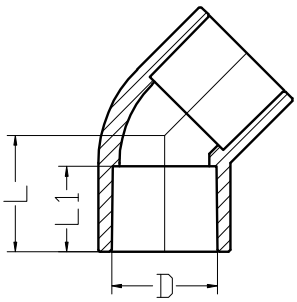
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1,0 MPa**
Working temperature: **from +1°C to +20°C**

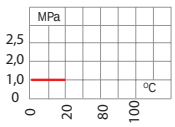
Compliant with:
PN-EN ISO 1452-3

Reference document:
The Declaration of Perfocmance

Materials tally:
PVC-U



Operating range:



Size	D	L1	L
1/2"	21.3	17.5	30
3/4"	26.7	18.5	33.5
1"	33.4	22.5	41.5

EAN	Code	Size
5907732085747	PVCKKW015XKW015-45.301	1/2"
5907732085778	PVCKKW020XKW020-45.301	3/4"
5907732085808	PVCKKW025XKW025-45.301	1"

ELBOW 90° - COLD WATER

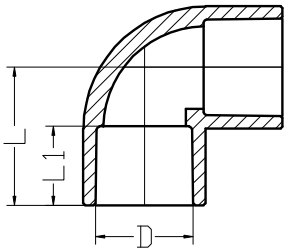
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1,0 MPa**
Working temperature: **from +1°C to +20°C**

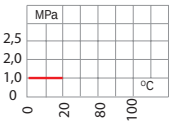
Compliant with:
PN-EN ISO 1452-3

Reference document:
The Declaration of Perfocmance

Materials tally:
PVC-U



Operating range:



Size	D	L1	L
1/2"	21.3	17.5	30
3/4"	26.7	18.5	33.5
1"	33.4	22.5	41.5

EAN	Code	Size
5907732085754	PVCKKW015XKW015-90.301	1/2"
5907732085785	PVCKKW020XKW020-90.301	3/4"
5907732085815	PVCKKW025XKW025-90.301	1"

ELBOW 90° WITH INNER THREAD- COLD WATER

NEW

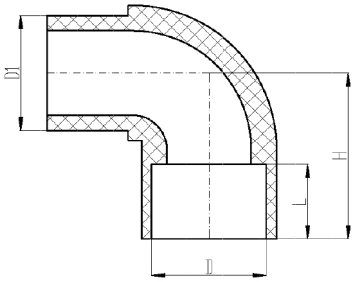
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1,0 MPa**
Working temperature: **from +1°C to +20°C**

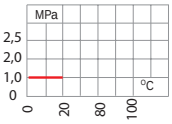
Compliant with:
PN-EN ISO 1452-3

Reference document:
The Declaration of Perfocmance

Materials tally:
PVC-U



Operating range:



EAN	Code	Size
5907732088205	PVCKKW015XGW015-90.301	1/2"

ELBOW 90° - COLD WATER

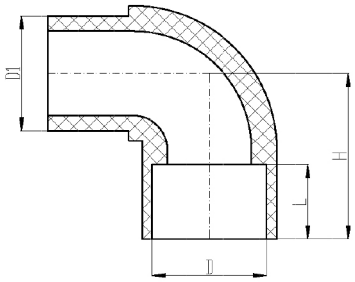
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1,0 MPa**
Working temperature: **from +1°C to +20°C**

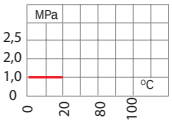
Compliant with:
PN-EN ISO 1452-3

Reference document:
The Declaration of Perfocmance

Materials tally:
PVC-U



Operating range:



Size	D1	D	L	H
1/2"	21.3	21.3	17.5	35
3/4"	26.7	26.7	18.5	38.5
1"	33.4	33.4	22.5	46

EAN	Code	Size
5907732085761	PVCKKW015XKZ015-90.301	1/2"
5907732085792	PVCKKW020XKZ020-90.301	3/4"
5907732085822	PVCKKW025XKZ025-90.301	1"

ELBOW 45° - COLD WATER

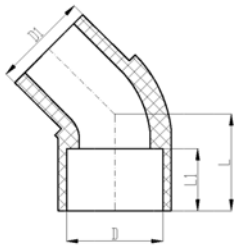
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1,0 MPa**
Working temperature: **from +1°C to +20°C**

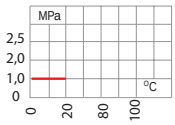
Compliant with:
PN-EN ISO 1452-3

Reference document:
The Declaration of Perfocmance

Materials tally:
PVC-U



Operating range:



Size	D	D1	L1	L
1/2"	21.2	21.2	19.0	24.7

EAN	Code	Size
5907732086195	PVCKKWXKZ15-45.301	1/2"

T-PIPE - COLD WATER

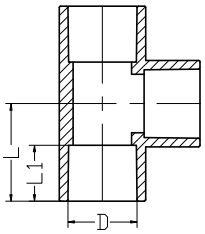
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1,0 MPa**
Working temperature: **from +1°C to +20°C**

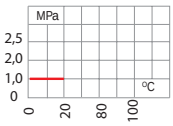
Compliant with:
PN-EN ISO 1452-3

Reference document:
The Declaration of Perfocmance

Materials tally:
PVC-U



Operating range:



Size	D	L1	L	A
1/2"	21,3	17,5	30	-
3/4"	26,7	18,5	33,5	-
1"	33,4	22,5	41,5	-
1"x1"x3/4"	33,4	22,5	41,5	26,7
3/4"x3/4"x1/2"	29,7	18,5	33,5	21,3

EAN	Code	Size
5907732085952	PVCTKW015.301	1/2"
5907732085969	PVCTKW020.301	3/4"
5907732085976	PVCTKW025.301	1"
5907732088137	PVCTRKW025x25x20.302	1"x1"x3/4"
5907732088144	PVCTRKW020x20x15.302	3/4"x3/4"x1/2"

ANGULAR T-PIPE - COLD WATER

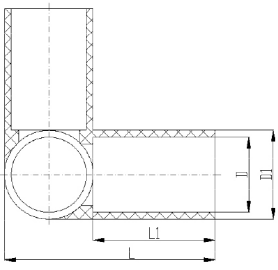
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1,0 MPa**
Working temperature: **from +1°C to +20°C**

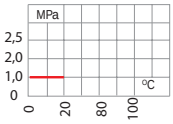
Compliant with:
PN-EN ISO 1452-3

Reference document:
The Declaration of Perfocmance

Materials tally:
PVC-U



Operating range:



Size	D	D1	L1	L
1/2"	21,2	27,3	18,5	46,3
3/4"	26,6	32,9	19,3	53,5

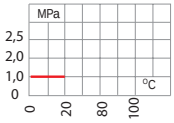
EAN	Code	Size
5907732085938	PVCTK015.301	1/2"
5907732085945	PVCTK020.301	3/4"

ANGULAR CROSS - COLD WATER

Max. pressure 1,0MPa

Temp. temp. from +1°C to +20°C

Operating range:



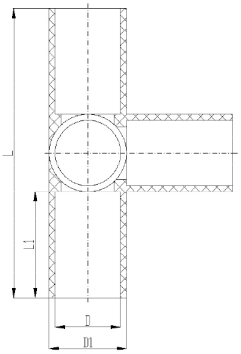
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1,0 MPa**
Working temperature: **from +1°C to +20°C**

Compliant with:
PN-EN ISO 1452-3

Reference document:
The Declaration of Perfocmance

Materials tally:
PVC-U



Size	D	D1	L1	L
1/2"	21,2	27,3	18,5	65,2
3/4"	26,6	32,9	19,3	74,1

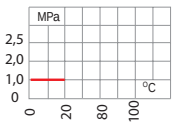
EAN	Code	Size
5907732085723	PVCCK015.301	1/2"
5907732085730	PVCCK020.301	3/4"

CROSS - COLD WATER

Max. pressure 1,0MPa

Temp. temp. from +1°C to +20°C

Operating range:



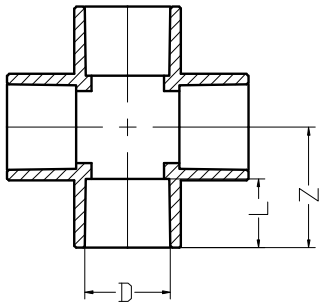
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1,0 MPa**
Working temperature: **from +1°C to +20°C**

Compliant with:
PN-EN ISO 1452-3

Reference document:
The Declaration of Perfocmance

Materials tally:
PVC-U



Size	D	L	Z
1/2"	21.2	18.5	32.6

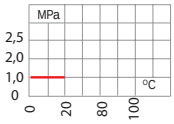
EAN	Code	Size
5907732085839	PVCKRZKW015.301	1/2"

PLUG - COLD WATER

Max. pressure 1,0MPa

Temp. temp. from +1°C to +20°C

Operating range:



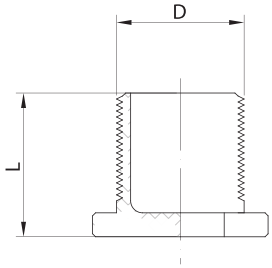
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1,0 MPa**
Working temperature: **from +1°C to +20°C**

Compliant with:
PN-EN ISO 1452-3

Reference document:
The Declaration of Perfocmance

Materials tally:
PVC-U



Size	D	L
1/2"	15.9	24
3/4"	22.2	30.5

EAN	Code	Size
5907732088106	PVCKGZ15.301	1/2"
5907732088113	PVCKGZ20.301	3/4"

SCREW - COLD WATER

Max. pressure 1,0MPa

Temp. temp. from +1°C to +20°C

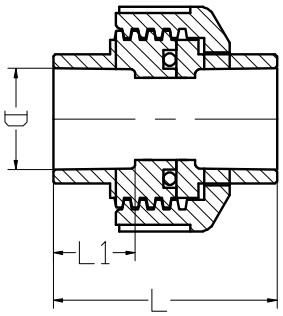
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1,0 MPa**
Working temperature: **from +1°C to +20°C**

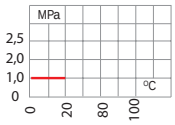
Compliant with:
PN-EN ISO 1452-3

Reference document:
The Declaration of Perfocmance

Materials tally:
PVC-U



Operating range:



Size	D	D1	L1
1/2"	27	17.5	54.5
3/4"	32.5	18.5	58.2

EAN	Code	Size
5907732085921	PVCSRKW015.301	1/2"
5907732086188	PVCSRKW020.301	3/4"

REDUCTION BUSHING - COLD WATER

Max. pressure 1,0MPa

Temp. temp. from +1°C to +20°C

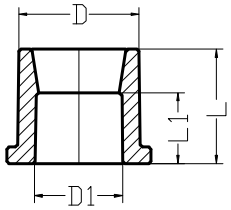
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1,0 MPa**
Working temperature: **from +1°C to +20°C**

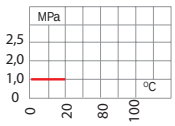
Compliant with:
PN-EN ISO 1452-3

Reference document:
The Declaration of Perfocmance

Materials tally:
PVC-U



Operating range:



Size	D	D1	L	L1
3/4" x 1/2"	26.7	21.3	17.5	27.5
1" x 1/2"	33.4	21.3	17.5	28.5
1" x 3/4"	33.4	26.7	18.5	28.5

EAN	Code	Size
5907732085990	PVCTURKW025XKZ015.301	1" x 1/2"
5907732086003	PVCTURKW025XKZ020.301	1" x 3/4"
5907732085983	PVCTURKW020XKZ015.301	3/4" x 1/2"

END CAP - COLD WATER

Max. pressure 1,0MPa

Temp. temp. from +1°C to +20°C

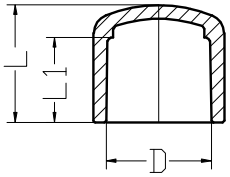
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1,0 MPa**
Working temperature: **from +1°C to +20°C**

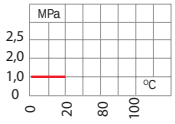
Compliant with:
PN-EN ISO 1452-3

Reference document:
The Declaration of Perfocmance

Materials tally:
PVC-U



Operating range:



Size	D	L1	L
1/2"	21,3	17,5	20
3/4"	26,7	18,5	21.5
1"	33,4	22,5	26

EAN	Code	Size
5907732086010	PVCZAKW015.301	1/2"
5907732086027	PVCZAKW020.301	3/4"
5907732086034	PVCZAKW025.301	1"

FULL BEND- COLD WATER

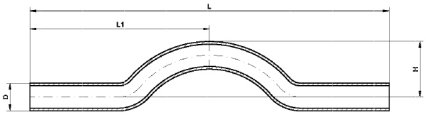
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1,0 MPa**
Working temperature: **from +1°C to +20°C**

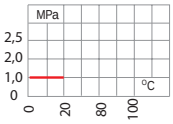
Compliant with:
PN-EN ISO 1452-3

Reference document:
The Declaration of Perfocmance

Materials tally:
PVC-U



Operating range:



Size	D	L1	L	H
1/2"	21,3	145	290	39
3/4"	26,7	142,5	285	51

EAN	Code	Size
5907732085846	PVCOVKZ015XKZ015.301	1/2"
5907732085853	PVCOVKZ020XKZ020.301	3/4"

BALL VALVE WITH HANDWHEEL - COLD WATER

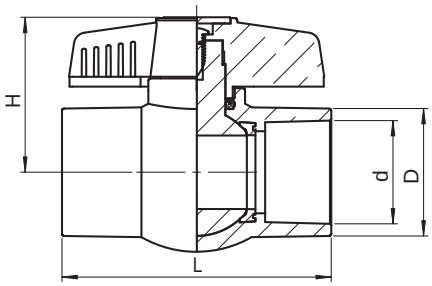
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **1,0 MPa**
Working temperature: **from +1°C to +20°C**

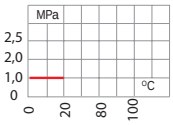
Compliant with:
PN-EN ISO 1452-4

Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Ball: PVC-U
Butterfly: ABS



Operating range:



Size	d	L	H	D
1/2"	21,3	74	43	30
3/4"	26,7	84	50.6	34.5

EAN	Code	Size
5907732086041	PVCZKKW015XKW015.301	1/2"
5907732086058	PVCZKKW020XKW020.301	3/4"

PIPE CPVC PN 16 - HOT WATER (3m)

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations..

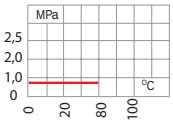
Technical data:
Max. working pressure: **0,8** MPa
Working temperature: **from +1°C to +80°C**

Compliant with:
PN-EN ISO 1452-2

Reference document:
The Declaration of Perfocmance

Materials tally:
PVC-C

Operating range:



EAN	Code	Size
5907732085549	CPVCR015-3.302	1/2"
5907732085556	CPVCR020-3.302	3/4"

COUPLING - HOT WATER

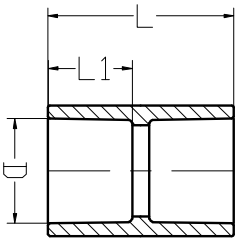
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **0,8** MPa
Working temperature: **from +1°C to +80°C**

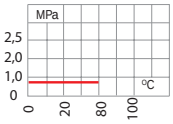
Compliant with:
PN-EN ISO 1452-3

Reference document:
The Declaration of Perfocmance

Materials tally:
PVC-C



Operating range:



Size	D	L1	L
1/2"	15.9	12.8	28.6
3/4"	22.2	17.9	39

EAN	Code	Size
5907732085662	CPVCZKW015XKW015.302	1/2"
5907732085693	CPVCZKW020XKW020.302	3/4"

COUPLING - HOT WATER

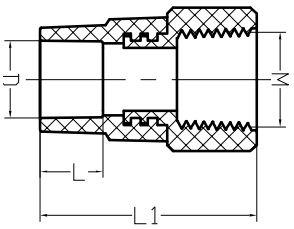
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **0,8** MPa
Working temperature: **from +1°C to +80°C**

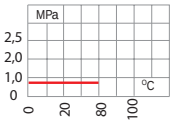
Compliant with:
PN-EN ISO 1452-3

Reference document:
The Declaration of Perfocmance

Materials tally:
PVC-C



Operating range:



Size	D	L	L1	M
1/2"	15.9	12.8	34	1/2"
3/4"	22.2	17.9	40	3/4"

EAN	Code	Size
5907732085655	CPVCZKW015XGW015.302	1/2"
5907732085686	CPVCZKW020XGW020.302	3/4"

COUPLING - HOT WATER

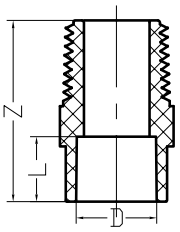
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **0,8 MPa**
Working temperature: **from +1°C to +80°C**

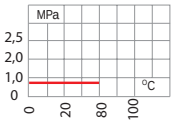
Compliant with:
PN-EN ISO 1452-3

Reference document:
The Declaration of Perfocmance

Materials tally:
PVC-C



Operating range:



Size	D	L	Z
1/2"	15.9	12.8	36
3/4"	22.2	17.9	41.5

EAN	Code	Size
5907732085679	CPVCZKW015XGZ015.302	1/2"
5907732085709	CPVCZKW020GZ020.302	3/4"

REDUCTION COUPLING - HOT WATER

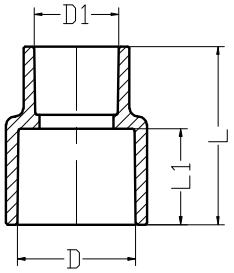
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **0,8 MPa**
Working temperature: **from +1°C to +80°C**

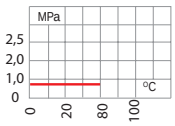
Compliant with:
PN-EN ISO 1452-3

Reference document:
The Declaration of Perfocmance

Materials tally:
PVC-C



Operating range:



Size	D	D1	L1	L
3/4" x 1/2"	22.2	15.9	17.9	33.8

EAN	Code	Size
5907732085716	CPVCZRKZ020XKW015.302	3/4" x 1/2"

ELBOW 90° - HOT WATER

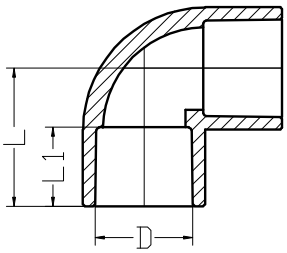
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **0,8 MPa**
Working temperature: **from +1°C to +80°C**

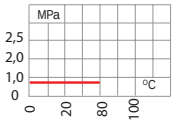
Compliant with:
PN-EN ISO 1452-3

Reference document:
The Declaration of Perfocmance

Materials tally:
PVC-C



Operating range:



Size	D	L1	L
1/2"	15.9	12.8	22.8
3/4"	22.2	17.9	31.1

EAN	Code	Size
5907732085419	CPVCKKW015XKW015-90.302	1/2"
5907732085457	CPVCKKW020XKW020-90.302	3/4"

ELBOW 45° - HOT WATER

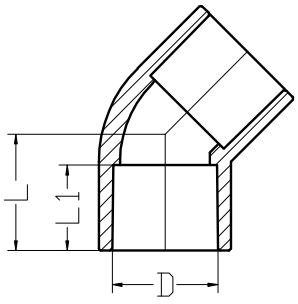
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **0,8** MPa
Working temperature: **from +1°C to +80°C**

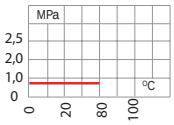
Compliant with:
PN-EN ISO 1452-3

Reference document:
The Declaration of Perfocmance

Materials tally:
PVC-C



Operating range:



Size	D	L1	L
1/2"	15.9	12.8	17.8
3/4"	22.2	17.9	24.2

EAN	Code	Size
5907732085402	CPVCKKW015XKW015-45.302	1/2"
5907732085440	CPVCKKW020XKW020-45.302	3/4"

ELBOW 90° - HOT WATER

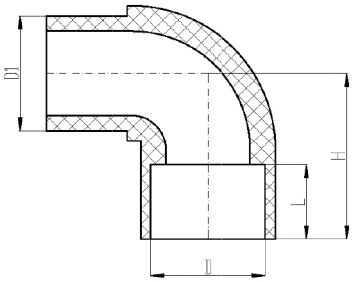
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **0,8** MPa
Working temperature: **from +1°C to +80°C**

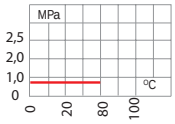
Compliant with:
PN-EN ISO 1452-3

Reference document:
The Declaration of Perfocmance

Materials tally:
PVC-C



Operating range:



Size	D	D1	L	L1	H	H1
1/2"	15.9	15.9	13	13	23	25
3/4"	22.2	22.2	18	18	31	34

EAN	Code	Size
5907732085433	CPVCKKW015XKZ015-90.302	1/2"
5907732085471	CPVCKKW020XKZ020-90.302	3/4"

ELBOW 45° - HOT WATER

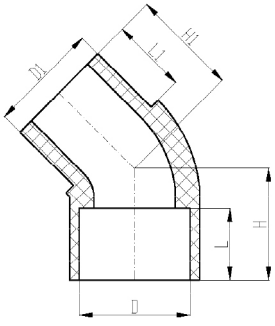
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **0,8** MPa
Working temperature: **from +1°C to +80°C**

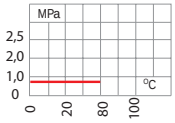
Compliant with:
PN-EN ISO 1452-3

Reference document:
The Declaration of Perfocmance

Materials tally:
PVC-C



Operating range:



Size	D	D1	L	L1	H
1/2"	15.9	15.9	13.5	14	18
3/4"	22.2	22.2	18.5	18.5	25.5

EAN	Code	Size
5907732085426	CPVCKKW015XKZ015-45.302	1/2"
5907732085464	CPVCKKW020XKZ020-45.302	3/4"

BRASS ELBOW - HOT WATER

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

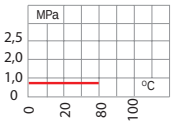
Technical data:
Max. working pressure: **0,8 MPa**
Working temperature: **from +1°C to +80°C**

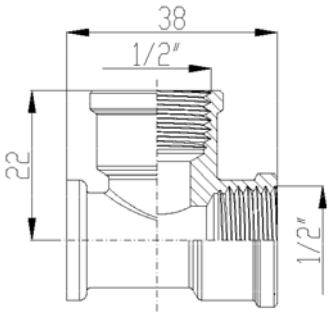
Compliant with:
PN-EN ISO 1452-3

Reference document:
The Declaration of Perfocmance

Materials tally:
Brass

Operating range:





EAN	Code	Size
5907732085488	CPVCKMGW015XGW015.302	1/2"

BRASS ELBOW WITH SEMI SCREW AND PLASTIC - HOT WATER

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

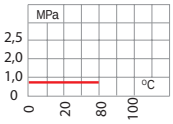
Technical data:
Max. working pressure: **0,8 MPa**
Working temperature: **from +1°C to +80°C**

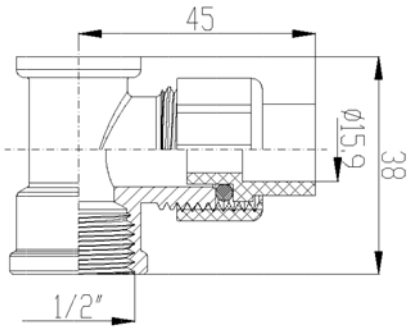
Compliant with:
PN-EN ISO 1452-3

Reference document:
The Declaration of Perfocmance

Materials tally:
Brass, PVC-C

Operating range:





EAN	Code	Size
5907732085495	CPVCKMGW015XKW015.302	1/2"

T-PIPE - HOT WATER

Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

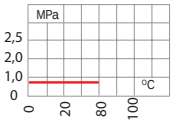
Technical data:
Max. working pressure: **0,8 MPa**
Working temperature: **from +1°C to +80°C**

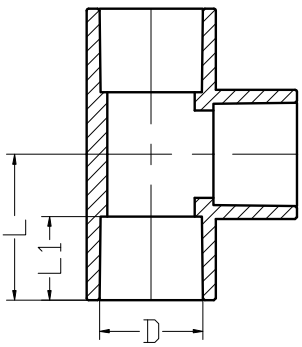
Compliant with:
PN-EN ISO 1452-3

Reference document:
The Declaration of Perfocmance

Materials tally:
PVC-C

Operating range:





Size	D	L1	L
1/2"	15.9	12.8	22,8
3/4"	22.2	17.9	31,1
3/4" x 3/4" x 1/2"	22,9	17,9	31,1

EAN	Code	Size
5907732085600	CPVCTKW015.302	1/2"
5907732085617	CPVCTKW020.302	3/4"
5907732088120	CPVCTRKW020x20x15.302	3/4" x 3/4" x 1/2"

FULL BEND - HOT WATER

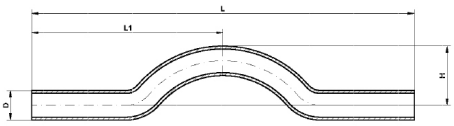
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **0,8** MPa
Working temperature: **from +1°C to +80°C**

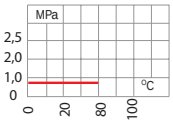
Compliant with:
PN-EN ISO 1452-3

Reference document:
The Declaration of Perfocmance

Materials tally:
PVC-C



Operating range:



Size	D	L1	L	H
1/2"	15.9	141	282	34
3/4"	22.2	142,5	285	39

EAN	Code	Size
5907732085501	CPVCOVKZ015XKZ015.302	1/2"
5907732085518	CPVCOVKZ020XKZ020.302	3/4"

END CAP - HOT WATER

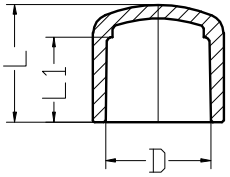
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **0,8** MPa
Working temperature: **from +1°C to +80°C**

Compliant with:
PN-EN ISO 1452-3

Reference document:
The Declaration of Perfocmance

Materials tally:
PVC-C



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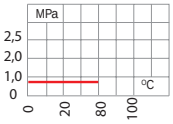


Size	D	L1	L
1/2"	15.9	12.8	18
3/4"	22.2	17.9	24

EAN	Code	Size
5907732085624	CPVCZAKW015.302	1/2"
5907732085631	CPVCZAKW020.302	3/4"

BALL VALVE WITH HANDWHEEL - HOT WATER

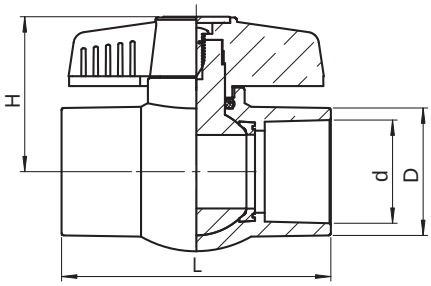
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **0,8** MPa
Working temperature: **from +1°C to +80°C**

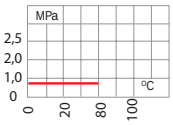
Compliant with:
PN-EN ISO 1452-4

Reference document:
The Declaration of Perfocmance

Materials tally:
Body, Ball: PVC-C
Butterfly: ABS



Operating range:



Size	d	L	H	D
1/2"	15.9	68	41	24.1

EAN	Code	Size
5907732085648	CPVCZKKW015X015.302	1/2"

BRASS SCREW WITH PLASTIC - HOT WATER

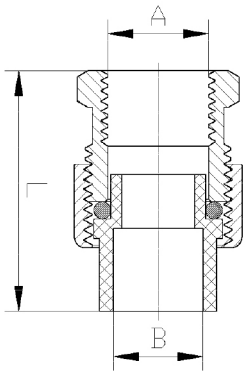
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **0,8** MPa
Working temperature: **from +1°C to +80°C**

Compliant with:
PN-EN ISO 1452-3

Reference document:
The Declaration of Perfocmance

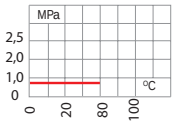
Materials tally:
Brass, PVC-C



Max. pressure 0,8 MPa

Temp. temp. from +1°C to +80°C

Operating range:



Size	A	B	L
1/2"	1/2"	15,7	44,3
3/4"	3/4"	22,2	54,2

EAN	Code	Size
5907732085563	CPVCSMGW015XKW015.302	1/2"
5907732085570	CPVCSMGW020XKW020.302	3/4"

BRASS SCREW WITH PLASTIC - HOT WATER

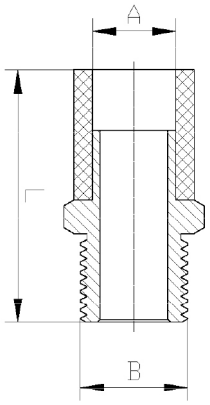
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **0,8** MPa
Working temperature: **from +1°C to +80°C**

Compliant with:
PN-EN ISO 1452-3

Reference document:
The Declaration of Perfocmance

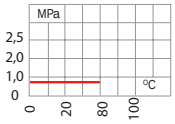
Materials tally:
Brass, PVC-C



Max. pressure 0,8 MPa

Temp. temp. from +1°C to +80°C

Operating range:



Size	A	B	L
1/2"	1/2"	15,7	44,3
3/4"	3/4"	22,2	54,2

EAN	Code	Size
5907732085587	CPVCSMGZ015XKW015.302	1/2"
5907732085594	CPVCSMGZ020XKW020.302	3/4"

BRASS MOUTING PLATE WITH INNER THREAD - HOT WATER

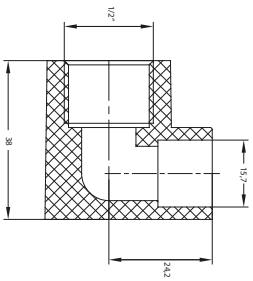
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

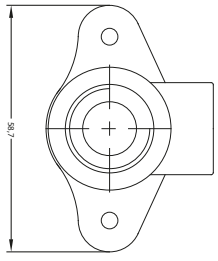
Technical data:
Max. working pressure: **0,8** MPa
Working temperature: **from +1°C to +80°C**

Compliant with:
PN-EN ISO 1452-3

Reference document:
The Declaration of Perfocmance

Materials tally:
PVC-C

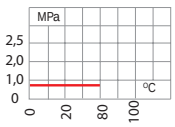




Max. pressure 0,8 MPa

Temp. temp. from +1°C to +80°C

Operating range:



EAN	Code	Size
5907732088168	CPVCKU015XGW015.302	15 x 1/2"

BRASS MOUTING PLATE WITH PIPE JOINT AND PLASTIC

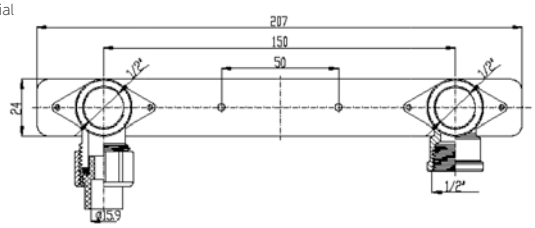
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **0,8** MPa
Working temperature: **from +1°C to +80°C**

Compliant with:
PN-EN ISO 1452-3

Reference document:
The Declaration of Perfocmance

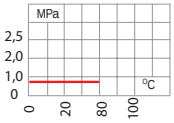
Materials tally:
Steel, Brass, PVC-C



Max. pressure 0,8 MPa

Temp. temp. from +1°C to +80°C

Operating range:



EAN	Code	Size
5907732085532	CPVCPMGW015XKW015.302	1/2"

BRASS MOUTING PLATE

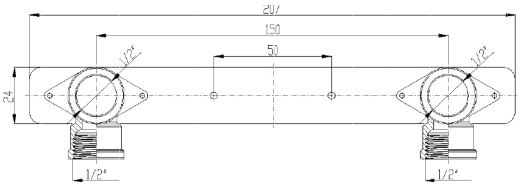
Use:
It is used for drinking and industrial water supply systems, heating and cooling systems and also for industrial installations.

Technical data:
Max. working pressure: **0,8** MPa
Working temperature: **from +1°C to +80°C**

Compliant with:
PN-EN ISO 1452-3

Reference document:
The Declaration of Perfocmance

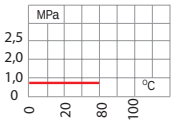
Materials tally:
Brass, Steel



Max. pressure 0,8 MPa

Temp. temp. from +1°C to +80°C

Operating range:



EAN	Code	Size
5907732085525	CPVCPMGW015XGW015.302	1/2"

GLUE FOR PVC/CPVC SYSTEM

Use:
Universal adhesive for PVC-U and PVC-C installations

Compliant with:
Compliant with UE 2018/1480

EAN	Code	Size
5907644301140	PVCADKWP120	0,120L

CLEANING AGENT FOR PVC/CPVC SYSTEM

Use:
Cleaner/primer for bonding PVC-U and PVC-C piping systems

Compliant with:
Compliant with UE 2018/1480

EAN	Code	Size
5907644301164	PVCADUSC120	0,120L

RECTANGLE SHOWER DRAIN

Use:

The high-quality shower drain manufactured in Poland is the perfect application for walk-in showers. It is made from high grade stainless steel and ensures resistance to corrosion and deformations. Our product line is characterised by optimal dimensions and, first and foremost, by careful workmanship. Thanks to the two-sided grate option, it is possible to build in a plate, which makes the drain practically invisible, or you can choose option with classic finish. In addition, the utilised adjustment of feet in the drain allows to select appropriate height, which in turn enables proper seating and sealing in the floor.

Reference document:

The Declaration of Perfocmance

EAN	Code	Name
5900168354791	Ervin500.40	Rectangle shower drain Ervin L-500 FI40
5900168354760	Ervin600.40	Rectangle shower drain Ervin L-600 FI40
5900168354777	Ervin700.40	Rectangle shower drain Ervin L-700 FI40
5900168354784	Ervin800.40	Rectangle shower drain Ervin L-800 FI40
5900168354807	Ervin900.40	Rectangle shower drain Ervin L-900 FI40
5900168354814	Ervin1000.40	Rectangle shower drain Ervin L-1000 FI40

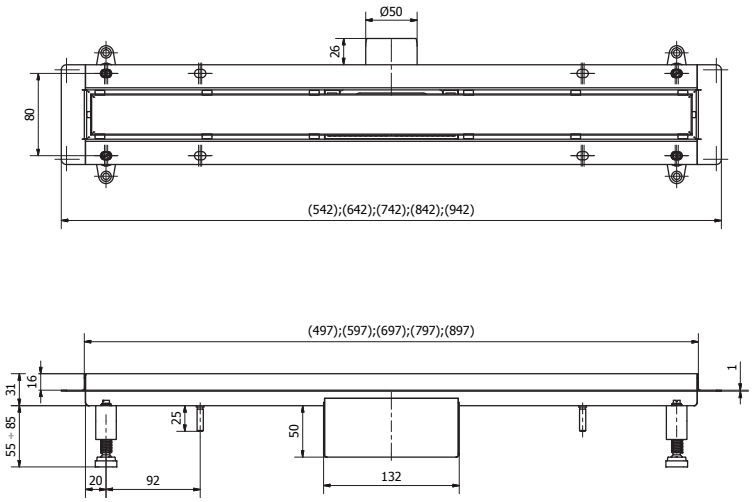
Colours available on request:

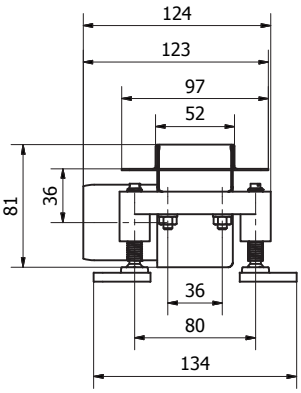
White

Anthracite

Black

INOX





RECTANGLE SHOWER DRAIN TALIN

Use:
The universal shower drain is the perfect application for walk-in showers. It is possible to build a plate in the grate, which makes the drain practically invisible. This model also has removable frame that is not permanently connected with trough. It creates a gap that enables a secondary drainage of water that got under the tile surface.

Reference document:
The Declaration of Perfocmance

EAN	Code	Name
5900168354944	Talin500.40	Rectangle shower drain Talin L-500 FI40
5900168354951	Talin600.40	Rectangle shower drain Talin L-600 FI40
5900168354+68	Talin700.40	Rectangle shower drain Talin L-700 FI40
5900168354975	Talin800.40	Rectangle shower drain Talin L-800 FI40
5900168354982	Talin900.40	Rectangle shower drain Talin L-900 FI40
5900168354999	Talin1000.40	Rectangle shower drain Talin L-1000 FI40

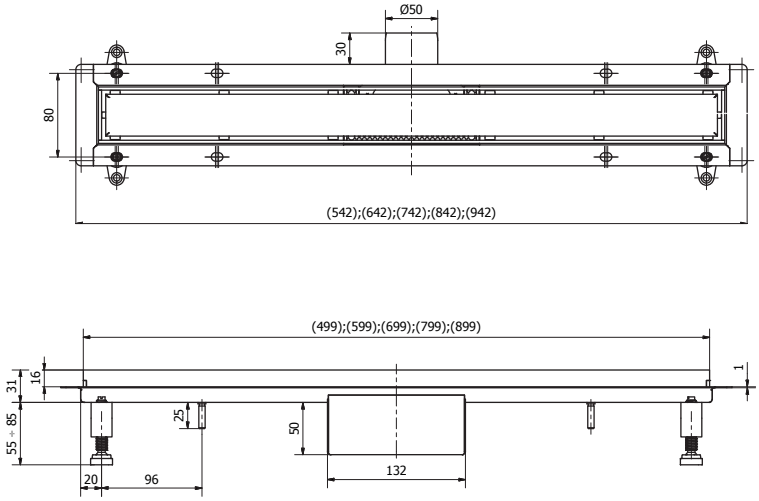
Colours available on request:

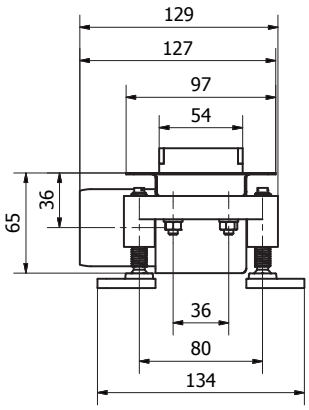
White

Anthracite

Black

INOX





BIO SIEGNER

HOME SEWAGE TREATMENT PLANT
RAIN WATER TANK

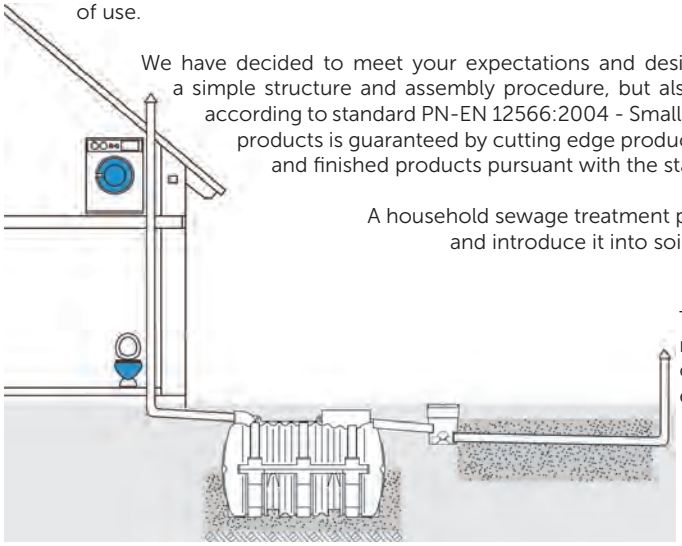
HOME SEWAGE TREATMENT PLANT

WHAT MAKES THE BIO SEIGNER SEWAGE TREATMENT PLANT BENEFICIAL FOR OUR POCKETS AND ENVIRONMENT?

For many years, we observe the development of single and multiple family building. People run away from urban noise and settle down on city outskirts. Clean air, silence, unrestrained freedom and ability to cultivate a garden are undeniable advantages of having your own house.

However, advantages are always followed by drawbacks and problems. One of them is sewage. A great number of suburban areas does not have sewage installation. Home owners have two options: build a septic tank or household sewage treatment plant. The septic tank seems to be a relatively cheap investment: bury a tank in ground and regularly empty it. However, after summing up all costs (spent during whole year) it turns out that septic tank absorbs not only waste from our houses, but also great financial sums.

The perfect solution for those problems proposed by our Company is the construction of eco-friendly sewage treatment plant. Of course, the expense is initially greater than in case of septic tank, but the investment more than compensates that cost already in second year of use.



We have decided to meet your expectations and designed the Bio Seigner sewage treatment plant, which not only has a simple structure and assembly procedure, but also is easy to maintain and eco-friendly. The device has been made according to standard PN-EN 12566:2004 - Small wastewater treatment systems for up to 50 PT. The high quality of our products is guaranteed by cutting edge production technology and quality assurance system of production process and finished products pursuant with the standard ISO 9001 - Quality Assurance System.

A household sewage treatment plant with infiltration drain aims to treat waste drained from the house and introduce it into soil in treated state.

The long lifespan of sewage treatment plant and almost maintenance-free operation guarantee us with low operating costs and satisfaction from the fact that we take care of natural environment.

An attention should be paid to ensuring a gravitational airflow on the whole length of sewage treatment plant.

HOME SEWAGE TREATMENT PLANT

Use:
Cleaning urban waste originating from a household.

Compliant with:
PN-EN 12566-1 - Decaying sediment
National Technical Assessment - Transfer well and drain deposits

Reference document:
The Declaration of Perfocmance – Decaying sediment
The Declaration of Perfocmance – Transfer well and drain deposits

Materials tally:
Polietylen

HOME SEWAGE TREATMENT PLANT PROFI

Components	2000 l	3000 l
Decaying sediment	1	1
Filter basket	1	1
Filter - Puzzolana stones	1	1
Top cover	1	1
Bacteria package	1	1
Dash drain with top cover	1	1
Sewage pipe Ø 110 / 1 meter	3	3
Sewage pipe Ø 110 / 2 meters	3	3
Drainage pipe Ø 110 / 2 meters	24	30
Elbow 90° / Ø 110	5	5
Inflating of drainage Ø 110	3	3
Geotextile. 1 roll	48 mb	60 mb

EAN	Code	Name
5906489909481	OCZZEST2000L4OZL	Teatment plant 2000l
5906489909498	OCZZEST3000L6OZL	Teatment plant 3000l

HOME SEWAGE TREATMENT PLANT STANDARD

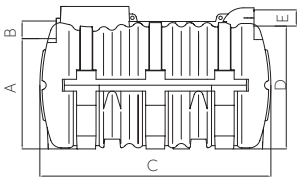
Components	2000 l	3000 l
Decaying sediment	1	1
Filter basket	1	1
Filter - Puzzolana stones	1	1
Top cover	1	1
Dash drain with top cover	1	1
Sewage pipe Ø 110 / 1 meter	4	4
Drainage pipe Ø 110 / 2 meters	16	24
Elbow 90° / Ø 110	3	3
Inflating of drainage Ø 110	3	3
Geotextile. 1 roll	32 mb	48 mb

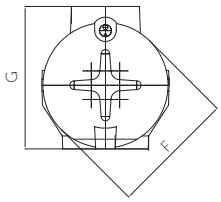
EAN	Code	Name
5906489936586	OCZZEST2000L4OZP	Teatment plant 2000l
5906489936593	OCZZEST3000L6OZP	Teatment plant 3000l

DECAYING SEDIMENT

Use:
Septic tank is intended for use in household sewage treatment plants.
Capacity 2000 l - for 2 to 4 people
3000 l capacity - 5 to 6 people

Materials tally:
Polietylen





Settler type	A	B	C	D	E	F	G
2000l	1040	110	2140	1090	160	1160	1320
3000l	1060	110	2820	1110	160	1180	1340

EAN	Code	Name
5906489909917	OCZEDOG2000LZL	Decaying sediment 2000l
5906489906511	OCZEDOG3000LZL	Decaying sediment 3000l

FILTER - PUZZOLANA STONES

Use:
Puzzolana is intended for use in household sewage treatment plants as filtering and cleaning element.

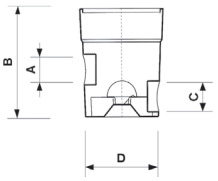
Materials tally:
Volcanic rock

EAN	Code	Name
5906489906053	OCZEDPZ	Filter - Puzzolana stones

DASH DRAIN WITH TOP COVER

Use:
The manhole is intended for uniform distribution of liquid flowing from the septic tank to infiltration deposit.

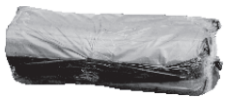
Materials tally:
Polietylen



A	B	C	D
110	400	110	290

EAN	Code	Name
5906489906084	OCZEDSR	Dash drain

GEOTEXTILE



Use:
Geotextile is intended for securing a layer of gravel from mixing with layer of sand.

Materials tally:
Polipropylen

EAN	Code	Name
5906489906169	OCZDGEO48MB	Geotextile, roll 48mb

DRAINAGE PIPE

Use:
Drainage pipe is intended for initial distribution of treated waste into the gravel layer.

Materials tally:
PVC-U

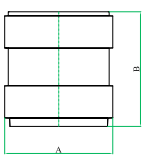
EAN	Code	Name
5906489906138	OCZEDRRD110L2	Drainage pipe 2 meters

EXTENSIONS

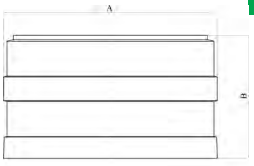
Use:
The extension lengthens the upper part of the settling tank/well and enables the control of putrefactive processes when the settling tank is buried deeper.

Materials tally:
Polietylen

Technical data:
Height Extension:
- extension for the settling tank: 350 mm
- extension for a manhole: 375 mm



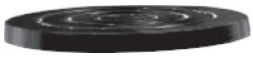
A	B
330	350



A	B
650	375

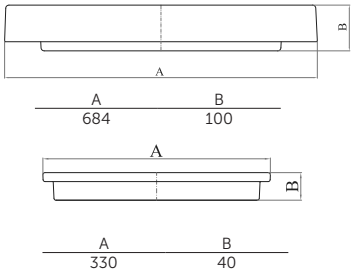
EAN	Code	Name
5906489906060	OCZEDPRZO	Extension for the settling tank
5906489906091	OCZEDPRZR	Extension for a manhole

TOP COVER



Use:
Cover is intended to close the sedimentation tank or branch manhole and secures them against foreign objects falling into them.

Materials tally:
Polietylen



A	B
684	100

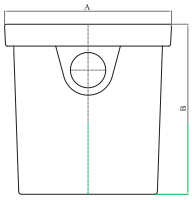
A	B
330	40

EAN	Code	Name
5906489906077	OCZEDPKO	Cover for the settler
5906489906107	OCZEDPKS	Top cove

FILTER BASKET

Use:
The bin is intended for mounting inside the septic tank. It is used to store puzzolana.

Materials tally:
Polietylen



A	B
521	530

EAN	Code	Name
5906489906046	OCZEDKOSZ	Filter basket

ELBOW

Use:
The knee changes the direction of the fluid flow.

Materials tally:
PVC-U

EAN	Code	Name
5906489906145	OCZEDRK110-90	Elbow 90/110

BACTERIA PACKAGE

Use:
The bacterial flora sachet supports the cleansing process.

EAN	Code	Name
5907503800074	OCZEDBAK	Bacteria package

SEWAGE PIPE

Use:
Sewage pipe is used to transport waste to the point of destination.

Materials tally:
PVC-U

EAN	Code	Name
5906489906121	OCZEDRRK110L1	Pipe 1 meter
5906489906114	OCZEDRRK110L2	Pipe 2 meters

INFLATING OF DRAINAGE

Use:
Valve head is used to aerate the drainage deposit.

Materials tally:
PVC-U

EAN	Code	Name
5906489906152	OCZEDRGN110	Inflating of drainage

WHAT MAKES USING THE BIO SEIGNER SEWAGE TREATMENT PLANT SO BENEFICIAL FOR OUR POCKETS AND ENVIRONMENT?

Precipitation water has always a problem that caused submersion and creation of multiple puddles on a plot during rain and often submersed access roads to properties. Recently, the approach to rain water has changed. As a result, more and more people have started to consciously collect it. This is not surprising - it is a natural fresh water source that can be acquired in a natural way and used when needed.

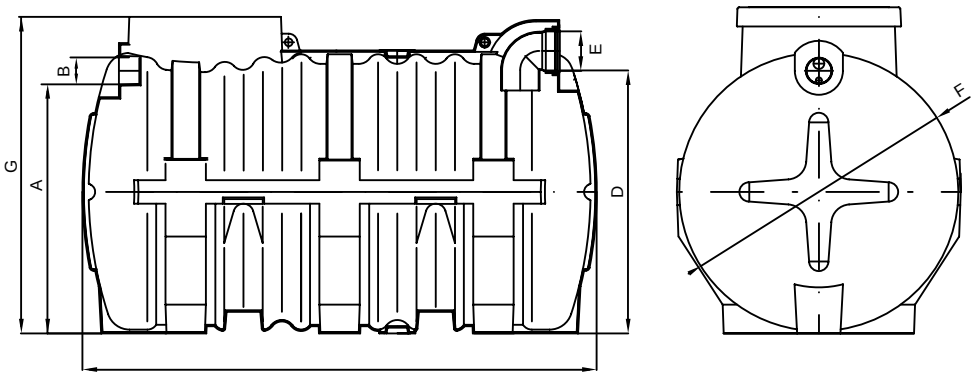
We anticipate your expectations and offer a dead-end rain water tank. It allows to collect own rain water reserves that can be later used to water gardens, wash cars, driveways and sidewalks, flushing toilets, or supply swimming pools and ponds. Collecting rain water carries both economic and ecological benefits. The collected rain water has low water hardness, which means that it can also be used to wash clothes. More and more municipalities in Poland introduced the system of charging fees for waste collection while referring to water consumption. Collecting rain water turns out to be a great way to reduce these fees.

Use:
Collecting rainwater

Compliant with:
PN-EN 12566-1 - Decaying sediment

Reference document:
The Declaration of Perfocmance – Decaying sediment

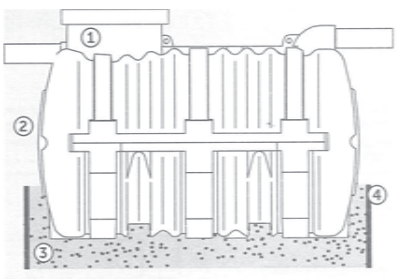
Materials tally:
Polietylen



Settler type	A	B	C	D	E	F	G
			[mm]				
1500l	1020	110	1800	1070	160	1140	1340
2000l	1040	110	2140	1090	160	1160	1360
3000l	1060	110	2820	1110	160	1180	1380

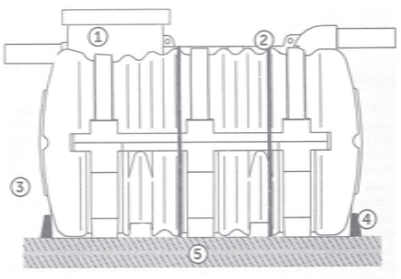
EAN	Code	Size
5906489965357	OCZDEZBPO1500	1500l
5906489965111	OCZDEZBPO2000	2000l
5906489965128	OCZDEZBPO3000	3000l

Stable ground:



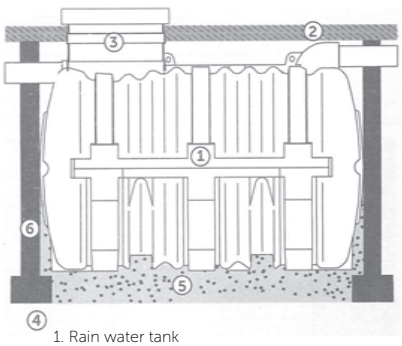
1. Rain water tank
2. Native soil
3. Concrete-stabilised belt
4. Fromwork

Wetland:



1. Rain water tank
2. Anchoring belt
3. Native soil
4. Foundation wall
5. Concrete slab

Stable ground (increased depth):



1. Rain water tank
2. Concrete slab
3. Extension
4. Native soil
5. Concrete-stabilised belt
6. Foundation wall

CENTRAL HEATING BOILERS

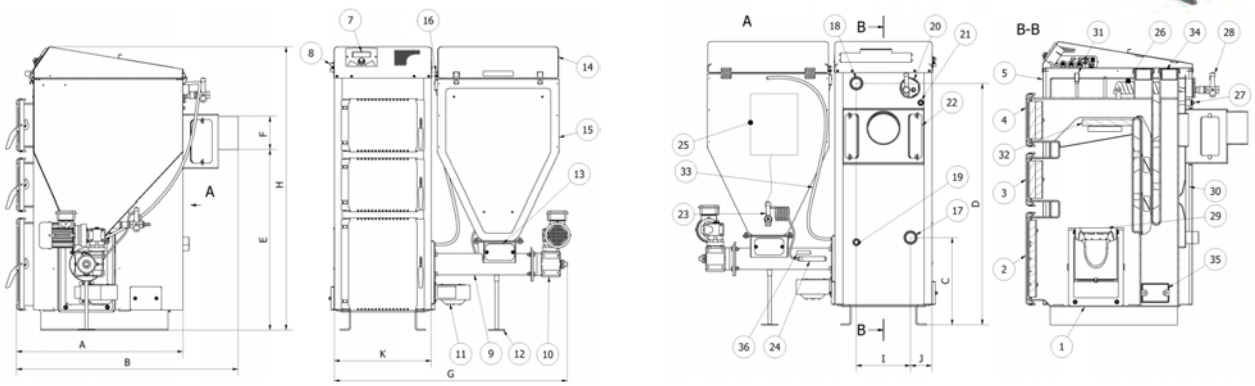
INTEGRA

Steel Integra model boilers with new, patented retort burner made from high quality grey cast iron are intended for water central heating installations in open systems, as well as closed systems (after mounting a cooling coil with BVTS valve). Boilers constitute a steel structure welded from certified 6 mm thick boiler sheets that ensure a long-term use. Intended for burning eco-pea coal with 5-25 mm granulation. The handling of boiler is limited to kindling an automated hearth and removing ash. Automated hearth is cyclically supplied with small amounts of fuel fed directly to retort grate, while airflow fan supplies a precisely chosen amount of air into determined hearth zones. This allows to achieve high burning process efficiency and extremely low emission of harmful substances into atmosphere. The correct progress of burning process and maintaining a set boiler temperature is supervised by microprocessor regulator with novelty software. The controller handles CH and DHW pumps, as well as auxiliary pump. There is a possibility to connect room regulator and ST-65 GS M and ST-500 Ethernet (control via Internet) modules, as well as ST-61 (possibility to control two valves at once) module.

Characteristic:
- Class 5 according to PN-EN 303-5:2012
- Ecodesign
- User safety
- High efficiency
- Automatic work
- Fast and easy operation
- Economical fuel combustion
- Modern design
- Ability to control the boiler's operation via Internet (option)
- Possibility to install the fuel tank on the left or right side of flues

Basic fuel

Eco-pea



1. Boiler body
2. Ash door
3. Ignition door
4. Inspection door
5. Steel covers of the boiler
6. Electronic controller
7. Socket strip and main switch
8. Fuel feeder Fuel
9. Motoreducer
10. Fan
11. Feeder height adjustment foot
12. Fuel tank cleaning unit
13. Fuel tank lid
14. Fuel tank (storage)
15. Sensor of opened fuel storage lid
16. Return connector
17. Water supply connector
18. Drain plug
19. Connector for the cooling coil
20. Connector for the safety valve (BVTS)
21. Flue cleaning unit
22. Feeder security sensor
23. Cooling coil (option at extra charge)
24. Sensor of the cooling coil valve (option at the extra charge)
25. Safety valve of the cooling coil (option at extra charge)
26. Cast iron plate
27. Thermal insulation of the boiler
28. Temperature sensor
29. Ceramic plate
30. Pressure adjustment pipe in the tank
31. Upper cleaning unit
32. Lower cleaning unit
33. Sensor of the feeder temperature

L.p.	Specification		J.m.	Information				
1	Boiler type			Integra 12	Integra 18	Integra 20	Integra 25	Integra 30
2	Nominal thermal power		kW	12	18	22	25	28
3	Range of power for coal		kW	3,6 - 12	5,4 - 18	6,6 - 22	7,5 - 25	8,1 - 28
4	Heating surface of the boiler		m^2	1.3	1,8	2,2	2,5	2,9
5	Water capacity of the boiler		l	55	62	77	83	88
6	Size of heated surface		m^2	up to 120	do 180	do 220	do 250	do 280
7	Boiler class due to PN-EN 303-5: 2012					5		
8	Efficiency		%	92,2	89,6	90,7	90,67	90,1
9	Capacity of the storage chamber		dm^3	132	216	232	260	282
10	Combustion upon nominal power		h	57/174	51/180	55/195	68/189	43/152
11	Maximum working temperature (water supply)		°C			80		
12	Minimum working temperature (return)		°C			55		
13	Exhaust fumes temperature	Nominal power	°C			173,2 - 183,6		
		Minimum power	°C			94,1 - 118		
14	Maximum permissible working pressure		bar			2,5		
15	Exhaust mass flow nom./min nom./min		g/s	8,3/3,7	13,5/4	14,5/6	16,1/6,5	18,3/6,4
16	Test pressure		bar			5		
17	Required exhaust flow		mbar	0,24	0,18	0,22	0,24	0,25
18	Flow resistance (10K)		mbar			2,2 - 4,0		
19	Cross-section of the chimney hole - minimum		cm^2	142	158	215	244	274
20	Minimum chimney height		m	6	6	7	7	8
21	Diameter of the flue		mm			Ø 158		
22	Mass of the boiler (±5%)		kg	325	385	425	444	486
23	Fuel	Coal				Black coal sort of pea, granulation 5-25mm		
24	Diameter of supply and return pipe		G			1 1/2 "		
25	Diameter of the drain pipe		G			1/2 "		
26	Power supply		V/Hz			230 / 50 / 0,5÷3,15		
27	Power consumption	Nominal power	W			250		
		Minimum power	W			250		
28	Power consumption in standby mode		W			11		
29	Emission of noise		dB			45,5		
30	Dimension	A	mm	798	798	798	798	862
		B	mm	1063	1063	1063	1063	1127
		C	mm	415	415	295	295	295
		D	mm	947	1147	1247	1317	1317
		E	mm	657	857	957	1027	1027
		F	mm	158	158	158	158	158
		G	mm	1116	1116	1116	1116	1116
		H	mm	1140	1345	1445	1515	1515
		I	mm	260	260	260	260	260
		J	mm	103	103	103	103	103
		K	mm	465	465	465	465	465

PELL-DUO+

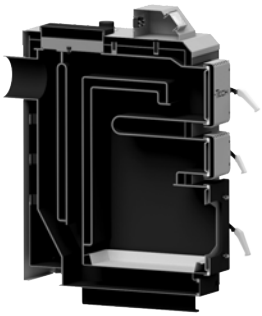
The Pell-Duo+ model boilers are intended for water open system central heating installations with both gravitational and forced water circulation. The installation must be secured according to currently valid and detailed national provisions. Steel Pell-Duo+ model boilers with automatic fuel supply system are intended for work in central heating installations and domestic hot water preparation installations in housing development buildings, i.e. single family houses, commercial pavilions, garages, and utility buildings. Pell-Duo+ models are compact pellet boilers with automated kindling and extinguishing. They have been equipped with self-cleaning burner made from heat-resistant steel. In vertical exchanger was used an innovative solution, namely a clean-out ash compartment that insulates the boiler's bottom, which significantly improves the heating efficiency of boilers. The boiler's controller is a device made from highly advanced technology adapted to handling energy-saving electronic pumps. The controller handles CH and DHW pumps, as well as valve actuator. There is a possibility to connect room regulator and SafeIT (control via Internet) module.

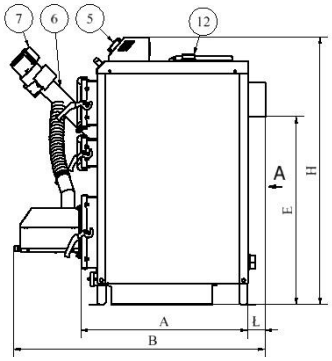
Characteristic:

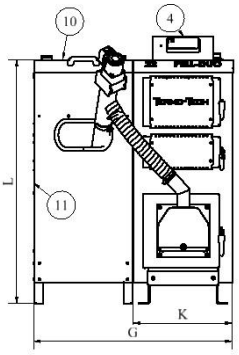
- Class 5 according to PN-EN 303-5:2012
- Ecodesign
- Low fuel consumption
- Modern and compact design
- Automatic work
- Economical fuel combustion
- Electronic controller
- Innovative burner self-cleaning system
- Automatic firing up
- Ability to control the boiler's operation via Internet (option)
- Possibility to install the fuel tank on the left or right side of flues

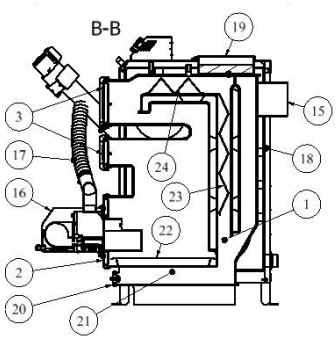
Basic fuel

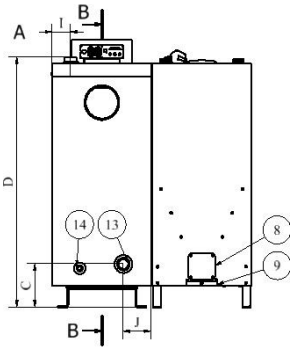
Wood pellets











1. Boiler body
2. Burner door
3. Inspection door
4. Electronic controller
5. Power switch
6. Fuel feeder
7. Motoreducer
8. Fuel tank cleaning unit
9. Silt sieve
10. Fuel tank lid
11. External covers
12. Supply coupler
13. Return coupler
14. Drainage coupler
15. Flue
16. Burner
17. Feeder tube
18. Thermal insulation of the boiler
19. Upper clean-out hatch
20. Lower clean-out hatch
21. Air-ash insulation

l.p.	Specification		J.m.	Information			
1	Boiler type			Pell-Duo+ 14	Pell-Duo+ 18	Pell-Duo+ 22	Pell-Duo+ 28
2	Nominal thermal power		kW	14	18	22	28
3	Size of heated surface		m^2	to 140	to 180	to 220	to 280
4	Boiler class due to PN-EN 303-5:2012			5			
5	Capacity of the storage chamber Fuel		l	140	140	170	200
6	Combustion upon nominal power		h	27/92	21/73	20/72	19/66
7	Efficiency		%	91,6	91	90,8	90,8
8	Maximum working temperature (water supply)		°C	85			
9	Temp. of water in the supply min./max.		°C	55/80			
10	Min. working temperature (return)		°C	50			
11	Minimum working temperature		°C	10			
12	Exhaust fumes temperature Nominal power/min.		°C	112/72	103/73	127/97	144/115
13	Exhaust mass flow nom./min		g/s	9,8/3,8	13,3/4,9	15,2/5,9	18/8
14	Required capacity of the heat accumulator Qmin>0,3QN		L	280	360	440	560
15	Emission of noise		dB	>60			
16	Maximum permissible working pressure		bar	1,5			
17	Test pressure		bar	3			
18	Flow resistance	at ΔT=10K	mbar	b.d.	b.d.	b.d.	b.d.
		at ΔT=20K	mbar	b.d.	b.d.	b.d.	b.d.
19	Fuel			Wood pellets with a diameter of 6-8 mm			
20	Mass of the boiler (±5%)		kg	247	308	325	348
21	Required exhaust flow		mbar	0,23	0,25	0,27	0,29
22	Minimum chimney height		m	6	6	7	7
23	Cross-section of the chimney hole - minimum		cm^2	171	190	215	273
24	Power supply		V/Hz/A	230 / 50 / 0,5÷3,15			
25	Power consumption start/work		W	≥356 / ≥56			
26	Water capacity of the boiler		L	58	71	78	86
27	Exchanger surface area		m^2	2	2,5	2,8	3,3
28	Diameter of the flue		Ømm	Ø128	Ø158	Ø158	Ø178
29	Water supply connector/return		cal	1 1/2"			
30	Drain plug		cal	1/2"			
31	Dimension	A	mm	774			
		B	mm	1170			
		C	mm	202			
		D	mm	895	1068	1162	1262
		E	mm	636	779	873	953
		L	mm	1038	1038	1132	1232
		G	mm	925			
		H	mm	975	1148	1242	1342
		K	mm	460			
		J	mm	130			

KRS TECH DUO+

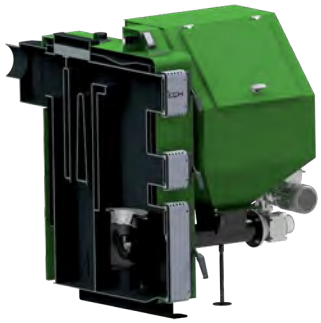
The KRS Tech Duo model boilers with retort burner are intended for water open system central heating installations with both gravitational and forced water circulation. The installation must be secured according to currently valid and detailed national provisions. Steel KRS Tech Duo model boilers with automatic fuel supply system are intended for work in central heating installations and domestic hot water preparation installations in housing development buildings, i.e. single family houses, commercial pavilions, garages, and utility buildings. Boilers constitute a steel structure welded from certified 6 mm thick boiler sheets that ensure a long-term use. Intended for burning eco-pea coal with 5-25 mm granulation. The controller handles CH and DHW pumps, as well as auxiliary pump and valve actuator. There is a possibility to connect room regulator and SafeIT (control via Internet) module.

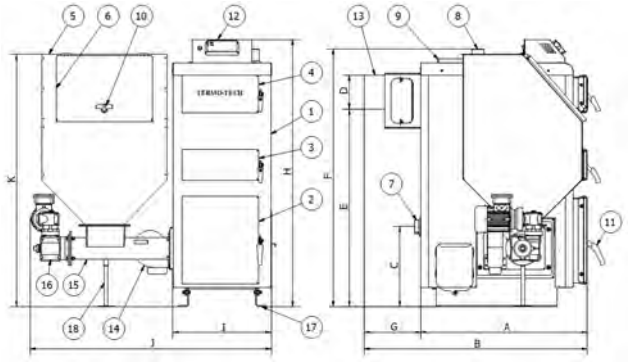
Characteristic:

- Class 5 according to PN-EN 303-5:2012
- Ecodesign
- High efficiency
- Automatic work
- Fast and easy operation
- Economical fuel combustion
- Smokeless and ecological combustion
- Ability to control the boiler's operation via Internet (option)
- Possibility to install the fuel tank on the left or right side of flues

Basic fuel

Eco-pea





1. Exchanger
2. Ash door
3. Ignition door
4. Charging door
5. Fuel tank (storage)
6. Fuel tank lid
7. Return connector
8. Water supply connector
9. Top cleanout cover
10. Closing the tank
11. Handle
12. Controller box
13. Flue
14. Fan
15. Cast iron burner
16. Motoreducer
17. Boiler foot
18. Feeder foot

l.p.	Specification		J.m.	Information						
1	Boiler type			KRS TECH DUO+ 18KW	KRS TECH DUO+ 22KW	KRS TECH DUO+ 26KW	KRS TECH DUO+ 39KW	KRS TECH DUO+ 50KW	KRS TECH DUO+ 75KW	KRS TECH DUO+ 100KW
2	Nominal thermal power		kW	18	22	26	39	50	75	100
3	Size of heated surface		m²	<180	<220	<260	<400	<500	<750	<1000
4	Capacity of the storage chamber Fuel		kg		168		190	375	560	840
5	Combustion upon nominal power 100%		h	48	40	32	25,5	72	55	63
6	Efficiency		%	89,5	89,9	88,6	88,89	88,9	89,6	89,6
7	Minimum working temperature		°C				10			
8	Maximum working temperature (water supply)		°C				85			
9	Temp. of water in the supply min./max.		°C				Min./max. - 55/80			
10	Minimum working temperature (return)		°C				50			
11	Exhaust fumes temperature	Nominal power	°C	229	190	186	188,5	180,3	168	182
		Minimal power	°C	163	114	88	143,3	88,2	118	128
12	Mass of the boiler (±5%)		kg	301	372	439	565	680	880	1380
13	Required capacity of the heat accumulator Qmin>0,3QN		L	360	440	520	780	1000	1500	2000>
14	Minimum chimney height		m	6	6	6	8	9	10	11
15	Emission of noise		dB			>60			>80	
16	Power supply		V/Hz/A				230 / 50 / 0,5÷3,15			
17	Maximum permissible working pressure		bar				1,5			
18	Test pressure		bar				3			
19	Flow resistance	at ΔT=10K	mbar				b.d.			
		at ΔT=20K	mbar				b.d.			
20	Fuel			Black coal sort of pea, granulation 5-25mm						
21	Required exhaust flow		mbar	0,25	0,27	0,28	0,3	0,33	0,35	0,38
22	Cross-section of the chimney hole - minimum		cm²	190	215	254	414	500	712	905
23	Exhaust mass flow	Nominal power	g/s	13	13,9	21,2	28	38,9	46,2	68
		Minimal power	g/s	4,8	7,6	6,9	11	16,3	18,7	26,7
24	Water capacity of the boiler		L	51	69	73	92	117	156	361
25	Power consumption		W			190			262	362
26	Exchanger surface area		m²	1,9	2,3	2,7	3,9	5	7,3	10,3
27	The cross - section of the flue		mm		Ø 158		Ø 190		Ø 245	Ø 350
28	Water supply connector/return		cak			1 1/2			2	2 1/2
29	Dimension	A	mm	785	885	885	980	978	1125	1290
		B	mm	1050	1150	1150	1244	1242	1389	1555
		C	mm	378	378	378	381	380	402	402
		D	mm	158	158	158	190	190	245	350
		E	mm	927	927	1027	943	1138	1206	1453
		F	mm	1174	1174	1274	1258	1458	1608	1928
		G	mm	265	265	264	264	264	264	264
		H	mm	1244	1257	1344	1343	1543	1545	2038
		I	mm	460	460	460	646	646	652	858
		J	mm	1132	1136	1136	1330	1610	1636	2055
		K	mm	1231	1222	1263	1442	1446	1582	1900

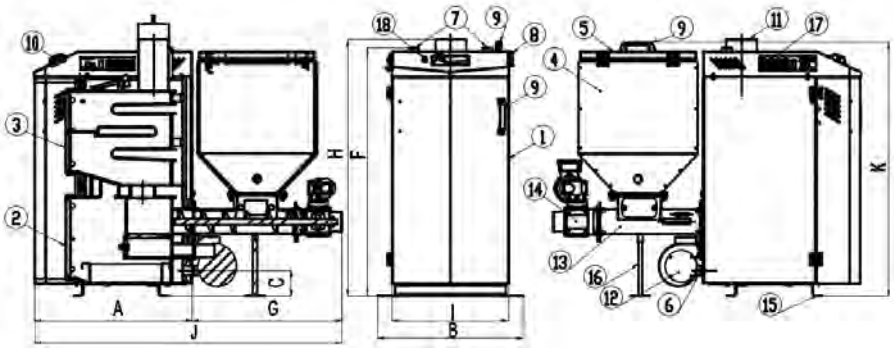
INTER-TECH

The Inter-Tech model boilers are intended for water open system central heating installations with both gravitational and forced water circulation. The installation must be secured according to currently valid and detailed national provisions. Steel Inter-Tech model boilers with automatic fuel supply system are intended for work in central heating installations and domestic hot water preparation installations in housing development buildings, i.e. single family houses, commercial pavilions, garages, and utility buildings. Boilers constitute a steel structure welded from certified 5 mm thick boiler sheets that ensure a long-term use. The controller handles CH and DHW pumps, as well as auxiliary pump and valve actuator. There is a possibility to connect room regulator and SafeIT (control via Internet) module.

Characteristic:
- Class 5 according to PN-EN 303-5:2012
- Ecodesign
- High efficiency
- Automatic work
- Fast and easy operation
- Economical fuel combustion
- Smokeless and ecological combustion
- Ability to control the boiler's operation via Internet (option)
- Possibility to install the fuel tank on the left or right side of flues

Basic fuel

Eco-pea



1. Exchanger
2. Ash compartment and kindling doors
3. Inspection door
4. Fuel tank (storage)
5. Fuel tank lid
6. Return connector
7. Water supply connector
8. Closing the tank
9. Handle
10. Electronic controller
11. Flue
12. Fan
13. Steel fuel feeder
14. Motoreducer
15. Boiler foot
16. Feeder foot
17. Supply and sensor connection
18. Safety temperature limiter

L.p.	Specification		J.m.		Information	
1	Boiler type			Inter-tech 12 kW	Inter-tech 18 kW	Inter-tech 24 kW
2	Nominal thermal power for coal		kW	12	18	24
3	Size of heated surface		m^2	to 150	to 180	to 250
4	Boiler class due to PN-EN 303-5: 2012			5		
5	Capacity of the storage chamber		l	105	155	155
6	Combustion upon nominal power (100%)		h	46	44	35
7	Efficiency		%	91,7	88,9	93,3
8	Temp. of water in the supply min./max.		°C		55-80	
9	Minimum working temperature (return)		°C		50	
10	Exhaust fumes temperature	Nominal power	°C	150	122	134
		Minimum power	°C	104	78	84
11	Minimum working temperature		°C		10	
12	Exhaust mass flow	Nominal power	g/s	8,4	11,6	16,2
		Minimum power	g/s	3,3	4,5	8,8
13	Maximum permissible working pressure		bar		1,5	
14	Maximum working temperature (water supply)		°C		80	
15	Mass of the boiler (±5%)		kg	195	234	270
16	Required exhaust flow		mbar	0,24	0,25	0,26
17	Minimum chimney height		m	6	7	7
18	Cross-section of the chimney hole - minimum		cm^2		180	
19	Power supply		V/Hz/A		230 / 50 / 0,5÷3,15	
20	Power consumption		W	≤122	≤190	≤190
21	Water capacity of the boiler		L	60	76	90
22	Fuel	Coal			Black coal sort of pea, granulation 5-25mm	
23	Required capacity of the heat accumulator Qmin>0,3QN		L	240	360	480
24	Exchanger surface area		m^2	1,9	2,3	2,7
25	Diameter of the flue		mm		Ø 127	
26	Emission of noise		dB		<60	
27	Water supply connector/return		cal		1	
28	Flow resistance	at ΔT=10K	mbar		7,2	
		at ΔT=20K	mbar		1,8	
29	Dimension	A	mm		650	
		B	mm		600	
		C	mm		105	
		D	mm		127	
		F	mm	1026	1255	1445
		G	mm		620	
		H	mm	1060	1290	1480
		I	mm		480	
		J	mm		1270	
		K	mm	1050	1276	1276

PRADO

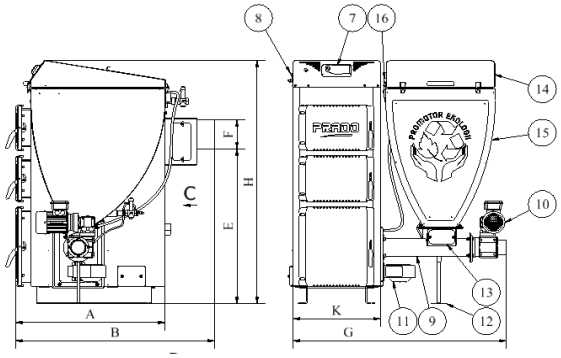
The Prado model boilers with cast iron retort burner are intended for water open system central heating installations with both gravitational and forced water circulation under the condition of installing a cooling coil and open system with both gravitational and forced water circulation. The installation must be secured according to currently valid and detailed national provisions. Steel Prado model boilers with automatic fuel supply system are intended for work in central heating installations and domestic hot water preparation installations in housing development buildings, i.e. single family houses, commercial pavilions, garages, and utility buildings. Boilers constitute a steel structure welded from certified 6 mm thick boiler sheets that ensure a long-term use. The controller handles CH and DHW pumps, as well as auxiliary pump and valve actuator. There is a possibility to connect room regulator and SafeIT (control via Internet) module.

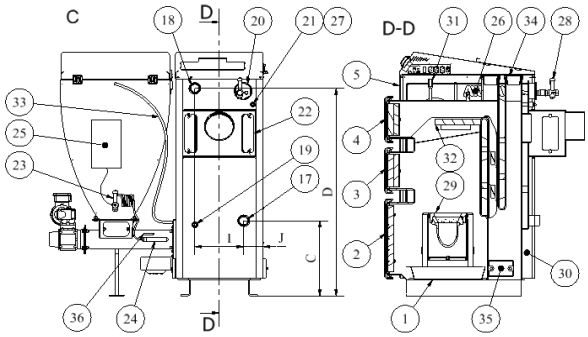
Characteristic:

- Class 5 according to PN-EN 303-5:2012
- Ecodesign
- High efficiency
- Automatic work
- Fast and easy operation
- Economical fuel combustion
- Smokeless and ecological combustion
- Ability to control the boiler's operation via Internet (option)
- Possibility to install the fuel tank on the left or right side of flues

Basic fuel

Eco-pea





1. Boiler body
2. Ash door
3. Ignition door
4. Inspection door
5. Steel covers of the boiler
6. Electronic controller
7. Socket strip and main switch
8. Fuel feeder Fuel
9. Motoreducer
10. Fan
11. Feeder height adjustment foot
12. Fuel tank cleaning unit
13. Fuel tank lid
14. Fuel tank (storage)
15. Sensor of opened fuel storage lid
16. Return connector
17. Water supply connector
18. Drain plug
19. Connector for the cooling coil
20. Connector for the safety valve (BVTS)
21. Flue cleaning unit
22. Feeder security sensor
23. Cooling coil (option at extra charge)
24. Sensor of the cooling coil valve (option at the extra charge)
25. Safety valve of the cooling coil (option at extra charge)
26. Cast iron plate
27. Thermal insulation of the boiler
28. Temperature sensor
29. Ceramic plate
30. Pressure adjustment pipe in the tank
31. Upper cleaning unit
32. Lower cleaning unit
33. Sensor of the feeder temperature

L.p.	Specification		J.m.	Information			
1	Boiler type			PRADO 18	PRADO 22	PRADO 25	PRADO 28
2	Nominal thermal power for coal		kW	18	22	25	28
3	Range of power for coal		kW	5,4-18	6,6-22	7,5-25	8,1-28
4	Heating surface of the boiler		m^2	1,8	2,2	2,5	2,9
5	Water capacity of the boiler		l	62	77	83	88
6	Size of heated surface		m^2	do 180	do 220	do 250	do 280
7	Boiler class due to PN-EN 303-5: 2012			5			
8	Efficiency		%	89,6	90,7	90,67	90,1
9	Capacity of the storage chamber		dm^3	216	232	260	282
10	Combustion upon nominal power		h	51/180	55/195	68/189	43/152
11	Required capacity of the heat accumulator Qmin>0,3QN		l	360	440	500	560
12	Exhaust mass flow nom./min		g/s	14,6/4,4	14,5/6	16,1/6,5	18,2/7,8
13	Exhaust fumes temperature	Nominal power	°C	173,2-183,6			
		Minimum power	°C	94,1-118			
14	Maximum working temperature (water supply)		°C	80			
15	Minimum working temperature cold water		°C	10			
16	Minimum working temperature (return)		°C	55			
17	Maximum permissible working pressure		MPa	0,25			
18	Test pressure		MPa	0,5			
19	Required exhaust flow		mbar	0,18	0,22	0,24	0,25
20	Flow resistance (10K)		mbar	2,2-4,0			
21	Cross-section of the chimney hole - minimum		cm^2	158	215	244	274
22	Fuel	Coal		Black coal sort of pea, granulation 5-25mm			
23	Minimum chimney height		m	6	7	7	8
24	Diameter of the flue		mm	Ø 158			
25	Mass of the boiler (±5%)		kg	385	425	444	486
26	Diameter of supply and return pipe		G	1 1/2"			
27	Diameter of the drain pipe		G	1/2"			
28	Power supply		V/Hz/A	230 / 50 / 0,5÷3,15			
29	Power consumption	Nominal power	W	250			
		Minimum power	W	250			
30	Power consumption in standby mode		W	11			
31	Emission of noise		dB	45,5			
32	Dimension	A	mm	798			862
		B	mm	1063			1127
		C	mm	415		295	
		D	mm	1147	1247	1317	1317
		E	mm	857	957	1027	1027
		F	mm	158			
		G	mm	1116			
		H	mm	1345	1445	1515	1515
		I	mm	260			
		J	mm	103			
		K	mm	465			

ELZA

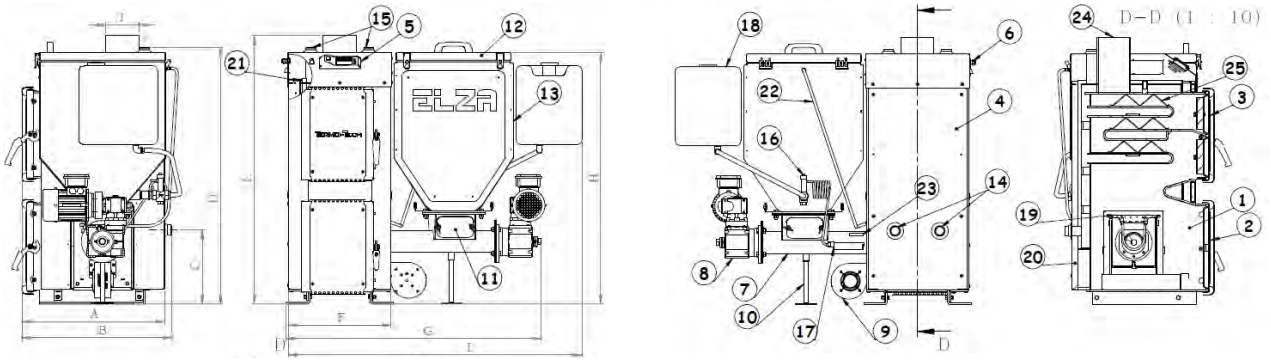
The Elza model boilers with retort burner are intended for water central heating installations with both gravitational and forced water circulation. The installation must be secured according to currently valid and detailed national provisions. Steel Elza model boilers with automatic fuel supply system are intended for work in central heating installations and domestic hot water preparation installations in housing development buildings, i.e. single family houses, commercial pavilions, garages, and utility buildings. Boilers constitute a steel structure welded from certified 6 mm thick boiler sheets that ensure a long-term use. The controller handles CH and DHW pumps, as well as auxiliary pump. There is a possibility to connect room regulator, SafeIT (control via Internet) module, and Aligator (valve actuator control) module.

Characteristic:

- Class 5 according to PN-EN 303-5:2012
- Ecodesign
- High efficiency
- Automatic work
- Fast and easy operation
- Economical fuel combustion
- Smokeless and ecological combustion
- Ability to control the boiler's operation via Internet (option)
- Possibility to install the fuel tank on the left or right side of flues

Basic fuel

Eco-pea



1. Boiler body
2. Ash door
3. Ignition door
4. Inspection door
5. Steel covers of the boiler
6. Electronic controller
7. Socket strip and main switch
8. Fuel feeder Fuel
9. Motoreducer
10. Fan
11. Feeder height adjustment foot
12. Fuel tank cleaning unit
13. Fuel tank lid
14. Fuel tank (storage)
15. Sensor of opened fuel storage lid
16. Return connector
17. Water supply connector
18. Drain plug
19. Connector for the cooling coil
20. Connector for the safety valve (BVTS)
21. Flue cleaning unit
22. Feeder security sensor
23. Cooling coil (option at extra charge)
24. Sensor of the cooling coil valve (option at the extra charge)
25. Safety valve of the cooling coil (option at extra charge)
26. Cast iron plate
27. Thermal insulation of the boiler
28. Temperature sensor
29. Ceramic plate
30. Pressure adjustment pipe in the tank
31. Upper cleaning unit
32. Lower cleaning unit
33. Sensor of the feeder temperature

L.p.	Specification		J.m.		Information
1	Boiler type			ELZA 8 kW	ELZA 11 kW
2	Nominal thermal power for coal		kW	8	11
3	Range of power for coal		kW	2,4-8	3,3-11
4	Heating surface of the boiler		m^2	0,8	1
5	Size of heated surface		m^2	to 80	to 110
6	Water capacity of the boiler		l	23	28
7	Boiler class due to PN-EN 303-5: 2012			5	
8	Efficiency		%	90,3	89,2
9	Capacity of the storage chamber		l	90	
10	Combustion upon nominal power		h	65/240	48/180
11	Maximum working temperature min./max.		°C	55/80	
12	Minimum working temperature (return)		°C	50	
13	Minimum working temperature		°C	10	
14	Exhaust fumes temperature Nominal power/min		°C	94/67	140/79
15	Flow resistance	at ΔT=10K	mbar	b.d.	
		at ΔT=20K	mbar	b.d.	
16	Maximum permissible working pressure		bar	1,5	
17	Exhaust mass flow mon nom./min		g/s	4,5/1,7	7/2,8
18	Required capacity of the heat accumulator Qmin>0,3QN		l	160	220
19	Test pressure		bar	3	
20	Required exhaust flow		mbar	0,2	0,22
21	Cross-section of the chimney hole - minimum		cm^2	110	135
22	Minimum chimney height		m	5	6
23	Diameter of the flue		mm	Ø 127	
24	Fuel	Coal		Black coal sort of pea, granulation 5-25mm	
25	Mass of the boiler (±5%)		kg	177	197
26	Diameter of supply and return pipe		G	1"	
27	Power supply		V/hZ/A	230 / 50 / 0,5÷3,15	
28	Power consumption	Nominal power	W	122	
		Minimum power	W	80	
29	Power consumption in standby mode		W	3	
30	Emission of noise		dB	<60	
31	Dimension	A	mm	543	
		B	mm	570	
		C	mm	281	
		D	mm	853	973
		E	mm	898	1018
		F	mm	390	
		G	mm	970	
		H	mm	953	
		I	mm	1120	
		J	mm	127	

POSEJDON

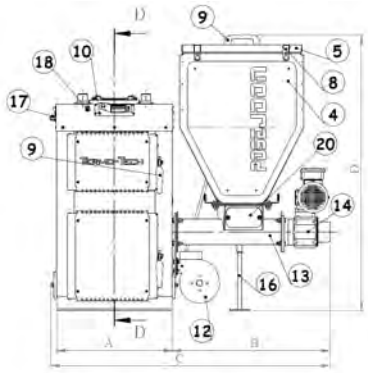
The Posejdon model boilers are intended for water open system central heating installations with both gravitational and forced water circulation. The installation must be secured according to currently valid and detailed national provisions. Steel Posejdon model boilers with automatic fuel supply system are intended for work in central heating installations and domestic hot water preparation installations in housing development buildings, i.e. single family houses, commercial pavilions, garages, and utility buildings. Boilers constitute a steel structure welded from certified 6 mm thick boiler sheets that ensure a long-term use. The controller handles CH and DHW pumps, as well as auxiliary pump and valve actuator. There is a possibility to connect room regulator and SafeIT (control via Internet) module.

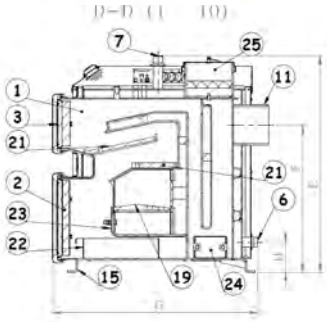
Characteristic:

- Class 5 according to PN-EN 303-5:2012
- Ecodesign
- High efficiency
- Automatic work
- Fast and easy operation
- Economical fuel combustion
- Smokeless and ecological combustion
- Ability to control the boiler's operation via Internet (option)
- Possibility to install the fuel tank on the left or right side of flues

Basic fuel

Eco-pea





1. Exchanger
2. Ash compartment and kindling doors
3. Inspection door
4. Fuel tank (storage)
5. Fuel tank lid
6. Return connector
7. Water supply connector
8. Closing the tank
9. Handle
10. Electronic controller
11. Flue
12. Fan
13. Steel fuel feeder
14. Motoreducer
15. Boiler foot
16. Feeder foot
17. Supply and sensor connection
18. Safety temperature limiter

L.p.	Specification		J.m.	Information		
1	Boiler type			POSEJDON 10 kW	POSEJDON 14 kW	POSEJDON 18 kW
2	Nominal thermal power for coal		kW	10	14	18
3	Size of heated surface		m^2	to 100	to 140	to 180
4	Boiler class due to PN-EN 303-5: 2012				5	
5	Capacity of the storage chamber		l		136	
6	Combustion upon nominal power		h	77,7/272	57/217	43,5/181
7	Efficiency		%	89,16	88,89	88,96
8	Maximum working temperature (water supply)		°C		85	
9	Temp. of water in the supply min./max		°C		55/80	
10	Minimum working temperature (return)		°C		50	
11	Minimum working temperature		°C		10	
12	Maximum permissible working pressure		bar		1,5	
13	Mass of the boiler (±5%)		kg	240	270	308
14	Exhaust fumes temperature Nominal power/min.		°C	113/66	108/63	132/64
15	Exhaust mass flow nom./min		g/s	6,7/2,7	10,3/3,3	11,8/4,4
16	Required exhaust flow		mbar	0,24	0,25	0,26
17	Fuel	Coal			Black coal sort of pea, granulation 5-25mm	
18	Minimum chimney height		m	6	6	7
19	Min. Cross-section of the chimney hole - minimum		cm^2	112	171	200
20	Power supply		V/Hz/A		230 / 50 / 0,5÷3,15	
21	Flow resistance	at ΔT=10K	mbar		b.d.	
		at ΔT=20K	mbar		b.d.	
22	Emission of noise		dB		<60	
23	Power consumption		W	122	122	162
24	Water capacity of the boiler		L	43	48	64
25	Required capacity of the heat accumulator Qmin>0,3QN		L	200	280	360
26	Exchanger surface area		m^2	1,2	1,6	1,9
27	The cross-section of the flue		mm	Ø 127	Ø 158	Ø 158
28	Water supply connector/return		cal		1	
29	Dimension	A	mm	378	378	460
		B	mm	625	630	630
		C	mm	1025	1030	1110
		D	mm	1088	1100	1100
		E	mm	785	863	863
		F	mm	510	588	588
		G	mm		817	
		H	mm		121	

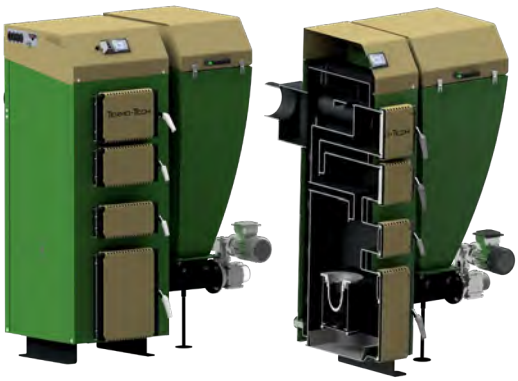
AQUA GOLD

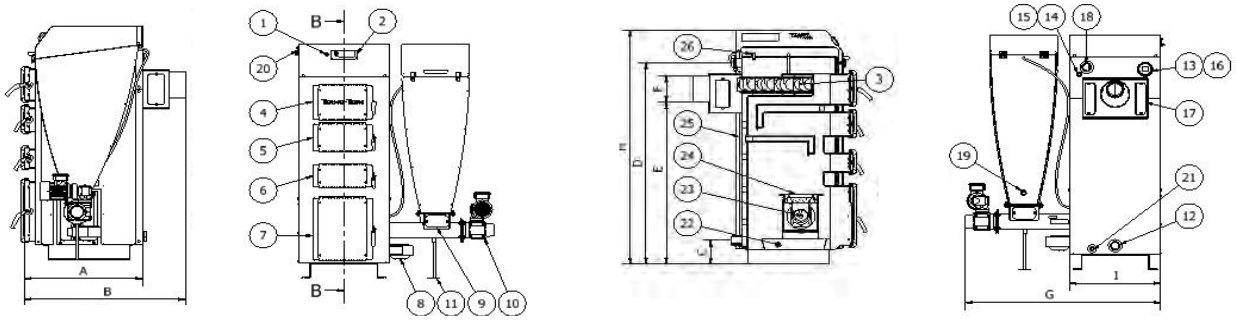
The Aqua Gold model boilers with retort burner are intended for water open and closed system central heating installations (after installing a cooling coil with BVTS valve) with both gravitational and forced water circulation. The installation must be secured according to currently valid and detailed national provisions. Steel Aqua Gold model boilers with automatic fuel supply system are intended for work in central heating installations and domestic hot water preparation installations in housing development buildings, i.e. single family houses, commercial pavilions, garages, and utility buildings. Boilers constitute a steel structure welded from certified 6 mm thick boiler sheets that ensure a long-term use. The controller handles CH and DHW pumps, as well as auxiliary pump and valve actuator. There is a possibility to connect room regulator and SafeIT (control via Internet) module.

Characteristic:
- Class 5 according to PN-EN 303-5:2012
- Ecodesign
- High efficiency
- Automatic work
- Fast and easy operation
- Economical fuel combustion
- Smokeless and ecological combustion
- Ability to control the boiler's operation via Internet (option)
- Possibility to install the fuel tank on the left or right side of flues

Basic fuel

Eco-pea





1. STB
2. Electronic controller
3. Turbulator
4. Cleaning door
5. Inspection door
6. Ignition door
7. Ash door
8. Fan
9. Fuel tank cleaning unit Fuel
10. Motoreducer
11. Feeder height adjustment foot
12. Return connector
13. Cooling coil installation coupler
14. Safety valve installation coupler 15 – plug 1/2"
16. Plug 2 1/2"
17. Flue cleaning unit
18. Water supply connector
19. Coupler for installing safety valve
20. Panel of external devices sockets
21. Coupling for mounting the drain valve
22. Ash tray
23. Fuel feeder
24. Cast iron plate
25. Thermal insulation of the boiler
26. Temperature sensor capillary

L.p.	Specification		J.m.	Information
1	Boiler type			AQUA GOLD 25
2	Nominal boiler output		kW	25
3	Thermal power range		kW	7,5÷25
4	Boiler class due to PN-EN 303-5:2012			5
5	Size of heated surface		m^2	<270
6	Capacity of the storage chamber Fuel		kg	100
7	Combustion upon nominal power		h	26/88
8	Efficiency		%	88,89
9	Maximum working temperature (water supply)		°C	85
10	Minimum working temperature (return)		°C	55
11	Minimum working temperature		°C	10
12	Maximum permissible working pressure		MPa	0,25
13	Maximum test pressure		MPa	0,5
14	Mass of the boiler (±5%)		kg	390
15	Exhaust fumes temperature Nominal power/min.		°C	167/88
16	Exhaust mass flow nom./min		g/s	20,2/8,6
17	Required exhaust flow		Pa	28
18	Cross-section of the chimney hole - minimum		cm^2	280
19	Flow resistance	at ΔT=10K	mbar	b.d.
		at ΔT=20K	mbar	b.d.
20	Power supply		V/Hz/A	230 / 50 / 0,5÷3,15
21	Power consumption		W	180
22	Water capacity of the boiler		L	90
23	Required capacity of the heat accumulator Qmin>0,3QN		L	500
24	Minimum chimney height		m	7
25	Exchanger surface area		m^2	2,4
26	Diameter of the flue		mm	Ø178
27	Water supply connector/return		cal	1 1/2
28	Emission of noise		dB	>60
29	Fuel			Black coal sort of pea, granulation 5-25mm
30	Dimension	A	mm	612
		B	mm	872
		C	mm	160
		D	mm	1351
		E	mm	1076
		F	mm	178
		G	mm	1183
		H	mm	1556
		I	mm	552

SZULCE

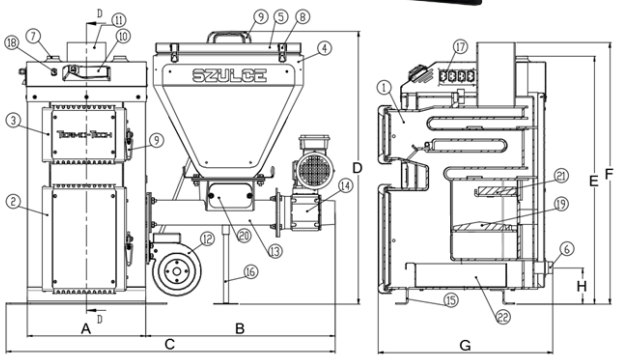
The Szulce model boilers are intended for water open system central heating installations with both gravitational and forced water circulation. The installation must be secured according to currently valid and detailed national provisions. Steel Szulce model boilers with automatic fuel supply system are intended for work in central heating installations and domestic hot water preparation installations in housing development buildings, i.e. single family houses, commercial pavilions, garages, and utility buildings. Boilers constitute a steel structure welded from certified 6 mm thick boiler sheets that ensure a long-term use. The controller handles CH and DHW pumps, as well as auxiliary pump and valve actuator. There is a possibility to connect room regulator and SafeIT (control via Internet) module.

Characteristic:

- Class 5 according to PN-EN 303-5:2012
- Ecodesign
- High efficiency
- Automatic work
- Fast and easy operation
- Economical fuel combustion
- Smokeless and ecological combustion
- Ability to control the boiler's operation via Internet (option)
- Possibility to install the fuel tank on the left or right side of flues

Basic fuel

Eco-pea



1. Exchanger
2. Drzwi popielnikowo - rozpałowe
3. Cleaning door
4. Fuel tank (storage)
5. Fuel tank lid
6. Return connector
7. Water supply connector
8. Closing the tank
9. Handle
10. Electronic controller
11. Flue
12. Fan
13. Steel fuel feeder
14. Motoreducer
15. Boiler foot
16. Feeder foot
17. Power supply and sensor connection
18. Safety temperature limiter
19. Cast iron grate
20. Feeder revision
21. Cast iron deflector
22. Ash drawer

l.p.	Specification		J.m.	Information		
1	Boiler type			Szulce 12	Szulce 18	Szulce 24
2	Nominal thermal power		kW	12	18	24
3	Thermal power range		kW	3,6-12	5,4-18	7,2-24
4	Heating surface of the boiler		m²	to 150	to 180	to 250
5	Capacity of the storage chamber Fuel		l	74	126	168
6	Combustion upon nominal power		h	46/161	40/140	35/120
7	Boiler class due to PN-EN 303-5				5	
8	Efficiency		%	89,56	89,8	88,83
9	Maximum working temperature (water supply)		°C		80	
10	Temp. of water in the supply min./max		°C		55/80	
11	Minimum working temperature (return)		°C		50	
12	Minimum working temperature		°C		10	
13	Exhaust fumes temperature Nominal power/min.		°C	119/62	115/61	115/78
14	Exhaust mass flow nom./min		g/s	7,8/2,8	10,6/3,8	15,2/7,8
15	Required capacity of the heat accumulator Qmin>0,3QN		L	240	360	480
16	Emission of noise		dB	>60		
17	Maximum permissible working pressure		bar	1,5		
18	Flow resistance	at ΔT=10K	mbar	b.d.	b.d.	b.d.
		at ΔT=20K	mbar	b.d.	b.d.	b.d.
19	Fuel	Coal		Black coal sort of pea, granulation 5-25mm		
20	Mass of the boiler (±5%)		kg	255	307	356
21	Required exhaust flow		mbar	0,25	0,26	0,26
22	Minimum chimney height		m		6	
23	Cross-section of the chimney hole - minimum		cm²	220	230	294
24	Power supply		V/Hz/A		~230/50/0,5 5 ÷ 3,15	
25	Power consumption		W	≥122	≥162	≥162
26	Water capacity of the boiler		L	67,5	75	91
27	Exchanger surface area		m²	1,73	2,26	2,78
28	Diameter of the flue		mm		Ø 158	
29	Water supply connector/return		cal		1	
30	Dimension	A	mm		472	
		B	mm		620	
		C	mm	1158	1158	1158
		D	mm	1096	1265	1489
		E	mm	1076	1243	1468
		F	mm	1121	1288	1513
		G	mm		588	
		H	mm		120	

GARDEN STOVE

GARDEN STOVE

We present to you cutting edge models of garden burners with barbecue grill function that are manufactured in Poland. They are a great alternative for classic brick hearths that might crack during winter and cannot be moved around. Our steel barbecue grills not only look good in garden spaces thanks to their shape, but also are mobile and can be moved to any spot in the garden - a great advantage over classic solutions.

Modern design
Special base for falling embers and ash
Designed for outdoor use

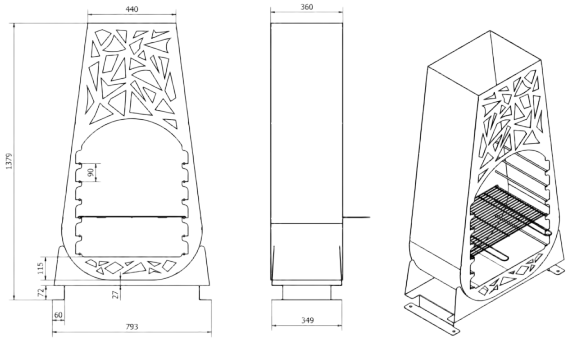
Adjustable height of the baking grate
Adjustable height of roasting rack
Base for storing wood in selected models

Made in Poland

GARDEN STOVE GRAND I

Weight:
33,72kg

Grate dimensions:
35 cm x 50 cm

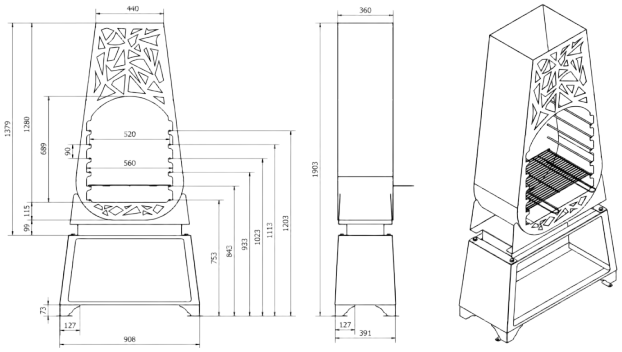


Name	EAN	Code
Garden stove GRAND I	5907558932850	100-GRAND.1

GARDEN STOVE GRAND II

Weight:
48,81kg

Grate dimensions:
35 cm x 50 cm

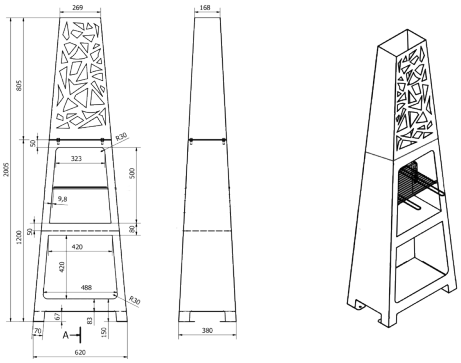


Name	EAN	Code
Garden stove GRAND II	5907558932867	100.GRAND.2

GARDEN STOVE MEDIUM

Weight:
34,36kg

Grate dimensions:
34,5 cm x 28 cm



Name	EAN	Code
Garden stove MEDIUM	5904730737012	100-MEDIUM.2

NOTES

IDMAR GROUP

The **IDMAR** Group is one of the fastest growing companies from the heating technology industry in Poland.

Contact information:

ZPU IDMAR IDI CAPITAL GROUP Spółka z o.o. Sp K.

Krosno, ul.Główna 9a,
62-050 Mosina
+48 61 813 63 44
e-mail:handel@idmar.eu

NIP: 777-327-53-52
REGON: 366213749

FABRYKA ARMATURY IDMAR Spółka z o.o.

Krosno, ul.Główna 9a,
62-050 Mosina
+48 61 813 63 44
e-mail:handel@idmar.eu

NIP: 777-225-23-37
REGON: 631103987

PWTK TERMO-TECH Spółka z o.o.

ul. Odlewnicza 1, 26-220 Stąporków
kom. +48 508 629 030
+48 41 374 15 22
e-mail:sprzedaz@kotlyco.pl

NIP: 658-17-44-980
REGON: 292736499

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