



PRODUCT CATALOGUE 2020



aquatherm

state of the pipe



NEW ARTICLES SINCE THE VERSION 1-2020

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aquatherm blue pipe

21	2071112	aquatherm blue pipe SDR9 MF RP 32 mm	54	17322	aquatherm Push-fit coupling 90 mm
21	2071114	aquatherm blue pipe SDR11 MF RP 40 mm	54	17324	aquatherm Push-fit coupling 110 mm
21	2071116	aquatherm blue pipe SDR11 MF RP 50 mm	54	17326	aquatherm Push-fit coupling 125 mm
21	2071118	aquatherm blue pipe SDR11 MF RP 63 mm	54	17330	aquatherm Push-fit coupling 160 mm
21	2071120	aquatherm blue pipe SDR11 MF RP 75 mm	54	17334	aquatherm Push-fit coupling 200 mm
21	2071122	aquatherm blue pipe SDR11 MF RP 90 mm	54	17338	aquatherm Push-fit coupling 250 mm
21	2071124	aquatherm blue pipe SDR11 MF RP 110 mm	54	17342	aquatherm Push-fit coupling 315 mm
21	2071126	aquatherm blue pipe SDR11 MF RP 125 mm	54	17344	aquatherm Push-fit coupling 355 mm
21	2071130	aquatherm blue pipe SDR11 MF RP 160 mm	54	17346	aquatherm Push-fit coupling 400 mm
21	2071134	aquatherm blue pipe SDR11 MF RP 200 mm	54	17348	aquatherm Push-fit coupling 450 mm
21	2071138	aquatherm blue pipe SDR11 MF RP 250 mm	54	17422	aquatherm Push-fit adapter 90 mm
21	2071142	aquatherm blue pipe SDR11 MF RP 315 mm	54	17424	aquatherm Push-fit adapter 110 mm
21	2071144	aquatherm blue pipe SDR11 MF RP 355 mm	54	17426	aquatherm Push-fit adapter 125 mm
21	2071146	aquatherm blue pipe SDR11 MF RP 400 mm	54	17430	aquatherm Push-fit adapter 160 mm
21	2071148	aquatherm blue pipe SDR11 MF RP 450 mm	54	17434	aquatherm Push-fit adapter 200 mm
22	2071162	aquatherm blue pipe SDR9 MF RP UV 32 mm	54	17438	aquatherm Push-fit adapter 250 mm
23	2171712	aquatherm blue pipe SDR9 MF RP OT 32 mm	54	17442	aquatherm Push-fit adapter 315 mm
21	3570125	aquatherm blue pipe SDR17,6 MF RP 125 mm	54	17444	aquatherm Push-fit adapter 355 mm
21	3570130	aquatherm blue pipe SDR17,6 MF RP 160 mm	54	17446	aquatherm Push-fit adapter 400 mm
21	3570134	aquatherm blue pipe SDR17,6 MF RP 200 mm	54	17448	aquatherm Push-fit adapter 450 mm
21	3570138	aquatherm blue pipe SDR17,6 MF RP 250 mm	54	17526	aquatherm Push-fit adapter 125 mm
21	3570142	aquatherm blue pipe SDR17,6 MF RP 315 mm	54	17530	aquatherm Push-fit adapter 160 mm
21	3570144	aquatherm blue pipe SDR17,6 MF RP 355 mm	54	17534	aquatherm Push-fit adapter 200 mm
21	3570146	aquatherm blue pipe SDR17,6 MF RP 400 mm	54	17538	aquatherm Push-fit adapter 250 mm
21	3570148	aquatherm blue pipe SDR17,6 MF RP 450 mm	54	17542	aquatherm Push-fit adapter 315 mm
21	3570150	aquatherm blue pipe SDR17,6 MF RP 500 mm	54	17544	aquatherm Push-fit adapter 355 mm
21	3570154	aquatherm blue pipe SDR17,6 MF RP 630 mm	54	17546	aquatherm Push-fit adapter 400 mm
			54	17548	aquatherm Push-fit adapter 450 mm

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aquatherm blue pipe

21	2070112	aquatherm blue pipe SDR11 MF 32 mm
21	2070114	aquatherm blue pipe SDR11 MF 40 mm
21	2070116	aquatherm blue pipe SDR11 MF 50 mm
21	2070118	aquatherm blue pipe SDR11 MF 63 mm
21	2070120	aquatherm blue pipe SDR11 MF 75 mm
21	2070122	aquatherm blue pipe SDR11 MF 90 mm
21	2070124	aquatherm blue pipe SDR11 MF 110 mm
21	2070126	aquatherm blue pipe SDR11 MF 125 mm
21	2070130	aquatherm blue pipe SDR11 MF 160 mm
21	2070134	aquatherm blue pipe SDR11 MF 200 mm
21	2070138	aquatherm blue pipe SDR11 MF 250 mm
21	2070142	aquatherm blue pipe SDR11 MF 315 mm
21	2070144	aquatherm blue pipe SDR11 MF 355 mm
21	2070146	aquatherm blue pipe SDR11 MF 400 mm
21	2070148	aquatherm blue pipe SDR11 MF 450 mm
21	2570126	aquatherm blue pipe SDR17,6 MF 125 mm
21	2570130	aquatherm blue pipe SDR17,6 MF 160 mm
21	2570134	aquatherm blue pipe SDR17,6 MF 200 mm
21	2570138	aquatherm blue pipe SDR17,6 MF 250 mm
21	2570142	aquatherm blue pipe SDR17,6 MF 315 mm
21	2570144	aquatherm blue pipe SDR17,6 MF 355 mm
21	2570146	aquatherm blue pipe SDR17,6 MF 400 mm
21	2570148	aquatherm blue pipe SDR17,6 MF 450 mm
21	2570150	aquatherm blue pipe SDR17,6 MF 500 mm
21	2570154	aquatherm aqt blue pipe SDR 17,6 MF RP 630 mm
22	2070162	aquatherm blue pipe SDR 9 MF RP UV 32 mm
23	2010212	aquatherm blue pipe SDR11 S 32 mm

All prices are for piece, m, m², kg or set. PU = packaging unit

Recommended retail price of the manufacturer.

Our sales and delivery conditions (January 2014) and the contacts of our technical sales and distribution see on our homepage www.aquatherm.de

Technical details and prices are subject to change. With the edition of this price list, all former ones become void.

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aquatherm control components

146	94402	aquatherm heating circuit manifold with flow indicator 2-fold
146	94403	aquatherm heating circuit manifold with flow indicator 3-fold
146	94404	aquatherm heating circuit manifold with flow indicator 4-fold
146	94405	aquatherm heating circuit manifold with flow indicator 5-fold
146	94406	aquatherm heating circuit manifold with flow indicator 6-fold
146	94407	aquatherm heating circuit manifold with flow indicator 7-fold
146	94408	aquatherm heating circuit manifold with flow indicator 8-fold
146	94409	aquatherm heating circuit manifold with flow indicator 9-fold
146	94410	aquatherm heating circuit manifold with flow indicator 10-fold
146	94411	aquatherm heating circuit manifold with flow indicator 11-fold
146	94412	aquatherm heating circuit manifold with flow indicator 12-fold
146	94413	aquatherm ball valve set

146	94414	aquatherm ball valve set corner design
146	94415	aquatherm Strangregulierset für Verteiler
146	94416	aquatherm line control valve set for manifold
147	94417	aquatherm central radio unit
147	94418	aquatherm radio room thermostat
148	94419	aquatherm radio room thermostat (programmable)
148	94420	aquatherm radio room thermostat
149	94421	aquatherm management module
148	94422	aquatherm radio control distributor
148	94423	aquatherm radio control distributor 4-fold
149	94424	aquatherm single radio receiver
149	94425	aquatherm radio repeater
149	94426	aquatherm dewpoint sensor

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aquatherm green pipe

14	10110	aquatherm green pipe SDR 6 S pipe 25 mm; only on request
22	10186	aquatherm pipe support 10.4 mm
22	85110	aquatherm pipe support 11.4 mm

aquatherm blue pipe

17	2070712	aquatherm blue pipe SDR 7.4 MF 32 mm
17	2570152	aquatherm blue pipe SDR 17.6 MF 560 mm
18	2070762	aquatherm blue pipe SDR 7.4 MF UV 32 mm
18	2570194–2570204	aquatherm blue pipe SDR 17.6 355–630 mm
19	2170712	aquatherm blue pipe SDR 7.4 MF OT 32 mm
21	60788	aquatherm blue pipe pipe clamp 560 mm
26	2511213–2511215	aquatherm SDR 17.6 red. socket 560 mm
26	2511219	aquatherm blue pipe SDR 17.6 red. socket 630 mm
26	2512152	aquatherm blue pipe SDR 17.6 elbow 90° butt welding 560 mm
28	2512552	aquatherm blue pipe SDR 17.6 elbow 45° butt welding 560 mm
29	2513130	aquatherm blue pipe SDR 17.6 t-piece 160–250 mm
29	2513152	aquatherm blue pipe SDR 17.6 t-piece 560 mm
35	2513821	aquatherm blue pipe SDR 17.6 Red.-T-Stück 560 mm
35	2513823–2513833	aquatherm blue pipe SDR 17.6 red.-t-piece socket 560 mm
36	2513852	aquatherm blue pipe SDR 17.6 red.-t-piece 560 mm
38	2514152	aquatherm blue pipe SDR 17.6 end cap butt welding 560 mm
45	2515552	aquatherm blue pipe SDR 17.6 flange adapter butt welding 560 mm
47	15752	aquatherm blue pipe SDR 17.6 plastic coated steel flange 560 mm
73	2041920–2041926	aquatherm blue pipe non-return valve 75–125 mm
73	2041930–2041942	aquatherm blue pipe SDR11 non-return valve 160–315 mm
73	2541930–2541942	aquatherm blue pipe SDR 17.6 non-return valve 160–315 mm

aquatherm lilac pipe

20	9010808	aquatherm lilac pipe SDR 7.4 20 mm
20	9010810	aquatherm lilac pipe SDR 7.4 25 mm
20	9010212	aquatherm lilac pipe SDR 11 32 mm
20	9010214	aquatherm lilac pipe SDR 11 40 mm
20	9010216	aquatherm lilac pipe SDR 11 50 mm
20	9010218	aquatherm lilac pipe SDR 11 63 mm
20	9010220	aquatherm lilac pipe SDR 11 75 mm
20	9010222	aquatherm lilac pipe SDR 11 90 mm
20	9010224	aquatherm lilac pipe SDR 11 110 mm
20	9010226	aquatherm lilac pipe SDR 11 125 mm

aquatherm ti

the following aquatherm ti articles are only on request:

77	1370733	aquatherm green pipe ti SDR 9 5.8 m 200 mm
77	1370734	aquatherm green pipe ti SDR 9 11.6 m 200 mm
77	1370737	aquatherm green pipe ti SDR 9 5.8 m 250 mm
77	1370738	aquatherm green pipe ti SDR 9 11.6 m 250 mm
77	1370741	aquatherm green pipe ti SDR 9 5.8 m 315 mm
77	1370742	aquatherm green pipe ti SDR 9 11.6 m 315 mm
77	1370743	aquatherm green pipe ti SDR 9 5.8 m 355 mm
77	1370744	aquatherm green pipe ti SDR 9 11.6 m 355 mm
78	1312534	aquatherm green pipe ti SDR 9 elbow 45° 200 mm
78	1312538	aquatherm green pipe ti SDR 9 elbow 45° 250 mm
78	1312542	aquatherm green pipe ti SDR 9 elbow 45° 315 mm
78	1312544	aquatherm green pipe ti SDR 9 elbow 45° 355 mm
79	1312134	aquatherm green pipe ti SDR 9 elbow 90° 200 mm
79	1312138	aquatherm green pipe ti SDR 9 elbow 90° 250 mm

79	1312142	aquatherm green pipe ti SDR 9 elbow 90° 315 mm
79	1312144	aquatherm green pipe ti SDR 9 elbow 90° 355 mm
79	1313134	aquatherm green pipe ti SDR 9 branch 200 mm
79	1313138	aquatherm green pipe ti SDR 9 branch 250 mm
79	1313142	aquatherm green pipe ti SDR 9 branch 315 mm
79	1313144	aquatherm green pipe ti SDR 9 branch 355 mm
80	1318112	aquatherm green pipe ti SDR 9 cross-over branch 32 mm
80	1318114	aquatherm green pipe ti SDR 9 cross-over branch 40 mm
80	1318116	aquatherm green pipe ti SDR 9 cross-over branch 50 mm
80	1318118	aquatherm green pipe ti SDR 9 cross-over branch 63 mm
80	1318120	aquatherm green pipe ti SDR 9 cross-over branch 75 mm
80	1318122	aquatherm green pipe ti SDR 9 cross-over branch 90 mm
80	1318124	aquatherm green pipe ti SDR 9 cross-over branch 110 mm
80	1318126	aquatherm green pipe ti SDR 9 cross-over branch 125 mm
80	1318130	aquatherm green pipe ti SDR 9 cross-over branch 160 mm
80	1318134	aquatherm green pipe ti SDR 9 cross-over branch 200 mm
80	1318138	aquatherm green pipe ti SDR 9 cross-over branch 250 mm
80	1318142	aquatherm green pipe ti SDR 9 cross-over branch 315 mm
80	1318144	aquatherm green pipe ti SDR 9 cross-over branch 355 mm
81	1313202	aquatherm green pipe ti SDR 9 red.-branch 40 mm
81	1313206–1313208	aquatherm green pipe ti SDR 9 red.-branch 50 mm
81	1313212–1313216	aquatherm green pipe ti SDR 9 red.-branch 63 mm
81	1313220–1313226	aquatherm green pipe ti SDR 9 red.-branch 75 mm
81	1313230–1313238	aquatherm green pipe ti SDR 9 red.-branch 90 mm
81	1313242–1313252	aquatherm green pipe ti SDR 9 red.-branch 110 mm
81	1313256–1313268	aquatherm green pipe ti SDR 9 red.-branch 125 mm
81	1313290–1313304	aquatherm green pipe ti SDR 9 red.-branch 160 mm
82	1313332–1313350	aquatherm green pipe ti SDR 9 red.-branch 200 mm
82	1313382–1313402	aquatherm green pipe ti SDR 9 red.-branch 250 mm
82	1313432	aquatherm green pipe ti SDR 9 red.-branch 315 mm
82	1313436–1313466	aquatherm green pipe ti SDR 9 red.-branch 355 mm
83	1318202	aquatherm green pipe ti SDR 9 red. cross-over branch 40 mm
83	1318206–1318208	aquatherm green pipe ti SDR 9 red. cross-over branch 50 mm
83	1318212–1318216	aquatherm green pipe ti SDR 9 red. cross-over branch 63 mm
83	1318220–1318226	aquatherm green pipe ti SDR 9 red. cross-over branch 75 mm
83	1318230–1318238	aquatherm green pipe ti SDR 9 red. cross-over branch 90 mm
83	1318242–1318252	aquatherm green pipe ti SDR 9 red. cross-over branch 110 mm
83	1318256–1318268	aquatherm green pipe ti SDR 9 red. cross-over branch 125 mm
83	1318290–1318304	aquatherm green pipe ti SDR 9 red. cross-over branch 160 mm
84	1318332–1318350	aquatherm green pipe ti SDR red. cross-over branch 200 mm
84	1318382–1318402	aquatherm green pipe ti SDR red. cross-over branch 250 mm
84	1318406–1318432	aquatherm green pipe ti SDR red. cross-over branch 315 mm
84	1318436–1318466	aquatherm green pipe ti SDR red. cross-over branch 355 mm
88	1311275	aquatherm green pipe ti insulation-red.-socket-set 160/110 mm SDR9
88	1311277	aquatherm green pipe ti insulation-red.-socket-set 160/125 mm SDR9
88	1311283	aquatherm green pipe ti insulation-red.-socket-set 200/125 mm SDR9
88	1311285	aquatherm green pipe ti insulation-red.-socket-set 200/160 mm SDR9
88	1311289	aquatherm green pipe ti insulation-red.-socket-set 250/160 mm SDR9
88	1311291	aquatherm green pipe ti insulation-red.-socket-set 250/200 mm SDR9
88	1311297	aquatherm green pipe ti insulation-red.-socket-set 315/200 mm SDR9
88	1311299	aquatherm green pipe ti insulation-red.-socket-set 315/250 mm SDR9
88	1311305	aquatherm green pipe ti insulation-red.-socket-set 355/250 mm SDR9
88	1311307	aquatherm green pipe ti insulation-red.-socket-set ti 355/315 mm SDR9

aquatherm Prefabrication

108	7270729–7270743	aquatherm green pipe SDR 9 pipe two-sided 5.8m
108	7310229–7310247	aquatherm green pipe SDR 11 pipe two-sided 5.8m
108	8370129–8370147	aquatherm blue pipe SDR 11 pipe two-sided 5.8m
108	8570129–8570137	aquatherm blue pipe ot SDR 11 pipe two-sided 5.8m
108	8470129–8470153	aquatherm blue pipe SDR 17.6 pipe two-sided 5.8m
108	7270730–7270744	aquatherm green pipe SDR 9 pipe two-sided 11.6m
108	7310230–7310248	aquatherm green pipe SDR 11 pipe two-sided 11.6m

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108	8370130–8370148	aquatherm blue pipe SDR 11 pipe two-sided 11.6m
108	8570130–8570138	aquatherm blue pipe ot SDR 11 pipe two-sided 11.6m
108	8470130–8470154	aquatherm blue pipe SDR 17.6 pipe two-sided 11.6m
108	7270829–7270843	aquatherm green pipe SDR 9 pipe one-sided 5.8m
108	7310329–7310347	aquatherm green pipe SDR 11 pipe one-sided 5.8m
108	8370329–8370347	aquatherm blue pipe SDR 11 pipe one-sided 5.8m
108	8570329–8570337	aquatherm blue pipe ot SDR 11 pipe one-sided 5.8m
108	8470329–8470353	aquatherm blue pipe ot SDR 17.6 pipe one-sided 5.8m
109	7270830–7270844	aquatherm green pipe SDR 9 pipe one-sided 11.6m
109	7310330–7310348	aquatherm green pipe SDR 11 pipe one-sided 11.6m
109	8370330–8370348	aquatherm blue pipe SDR 11 pipe one-sided 11.6m
109	8570330–8570338	aquatherm blue pipe ot SDR 11 pipe one-sided 11.6m
109	8470330–8470354	blue pipe SDR 17.6 pipe one-sided 11.6m
109	7212130–7212144	aquatherm green pipe SDR 9 elbow 90° two-sided
109	7312131–7312149	aquatherm green pipe SDR 11 elbow 90° two-sided
109	8312131–8312149	aquatherm blue pipe SDR 11 elbow 90° two-sided
109	8512131–8512139	aquatherm blue pipe ot SDR 11 elbow 90° two-sided
109	8412130–8412154	aquatherm blue pipe SDR 17.6 elbow 90° two-sided
110	7470729–7470743	aquatherm green pipe ti SDR 9 pipe two-sided 5.8m
110	8770129–8770143	aquatherm blue pipe ti SDR 11 pipe two-sided 5.8m
110	8970129–8970137	aquatherm blue pipe ot ti SDR 11 pipe two-sided 5.8m
110	8870129–8870143	aquatherm blue pipe ot ti SDR 17.6 pipe two-sided 5.8m
110	7470730–7470744	aquatherm green pipe ti SDR 9 pipe two-sided 11.6m
110	8770130–8770144	aquatherm green blue ti SDR 11 pipe two-sided 11.6m
110	8970130–8970138	aquatherm green blue ot ti SDR 11 pipe two-sided 11.6m
110	8870130–8870144	aquatherm green blue ti SDR 17.6 pipe two-sided 11.6m
110	7470829–7470843	aquatherm green pipe ti SDR 9 pipe one-sided 5.8m
110	8770329–8770343	aquatherm blue pipe ti SDR 11 pipe one-sided 5.8m
110	8970329–8970337	aquatherm blue pipe ot ti SDR 11 pipe one-sided 5.8m
110	8870329–8870343	aquatherm blue pipe ti SDR 17.6 pipe one-sided 5.8m
111	7470830–7470844	aquatherm green pipe ti SDR 9 pipe one-sided 11.6m
111	8770330–8770344	aquatherm blue pipe ti SDR 11 pipe one-sided 11.6m
111	8970330–8970338	aquatherm blue pipe ot ti SDR 11 pipe one-sided 11.6m
111	8870330–8870344	aquatherm blue pipe ti SDR 17.6 pipe one-sided 11.6m
111	7412130–7412144	aquatherm green pipe ti SDR 9 elbow 90° two-sided
111	8712131–8712145	aquatherm blue pipe ti SDR 11 elbow 90° two-sided
111	8912131–8912139	aquatherm blue pipe ot ti SDR 11 elbow 90°
111	8812130–8812144	aquatherm blue pipe ti SDR 17.6 elbow 90° two-sided

aquatherm Tools

98	50954	aquatherm drill 110 mm
98	50956	aquatherm drill 125 mm
98	50958	aquatherm drill 160 mm

aquatherm grey pipe

117	779110–779140	aquatherm grey pipe reducing tee
120	778050	aquatherm grey pipe universal manifold triple
120	778052	aquatherm grey pipe universal manifold fourfold
121	778054	aquatherm grey pipe universal manifold fivefold
121	778200–778206	aquatherm grey pipe distribution block
121	78220	Insulation for aquatherm grey pipe distribution block
121	78228	aquatherm grey pipe end piece
122	778308	aquatherm grey pipe adapter 32 mm green x 25 mm grey
122	778320	aquatherm grey pipe adapter 16 mm green x 16 mm grey
122	778404–778408	aquatherm grey pipe weld-in saddle adapter
124	50814	aquatherm grey pipe false jaws for expanding tool 10 mm
124	83306	aquatherm grey pipe radiator connection piece
125	50804	aquatherm grey pipe tool case für 16-20 mm
125	50824	aquatherm grey pipe tool insert 10 mm

aquatherm orange system

142	90024	aquatherm orange system surface heating and radiator connecting pipe 16x2 mm
142	90027	aquatherm orange system surface heating and radiator connecting pipe 17x2 mm
142	90034	aquatherm orange system surface heating and radiator connecting pipe (PE-RT) 14x2 mm
142	90306	aquatherm orange system surface heating and radiator connecting pipe (PB) 16x2 mm
142	90316	aquatherm orange system surface heating and radiator connecting pipe (PB) 16x2 mm
143	92104	aquatherm orange system euroconus connector 14x2 mm
144	78404	aquatherm orange system weld-in saddle adapter 40 x 20 mm
144	78408	aquatherm orange system weld-in saddle adapter 50 x 20 mm
148	92162	aquatherm orange system fixed command control
148	92163	aquatherm orange system flow indicator for fixed value setting

aquatherm black system

Connection type 52, only on request:

130	5224275	aquatherm black system heating and cooling grid 0,24 x 2,75 m
130	5224300	aquatherm black system heating and cooling grid 0,24 x 3,00 m
130	5224325	aquatherm black system heating and cooling grid 0,24 x 3,25 m
130	5224350	aquatherm black system heating and cooling grid 0,24 x 3,50 m
130	5224375	aquatherm black system heating and cooling grid 0,24 x 3,75 m
130	5224400	aquatherm black system heating and cooling grid 0,24 x 4,00 m
130	5224425	aquatherm black system heating and cooling grid 0,24 x 4,25 m
130	5224450	aquatherm black system heating and cooling grid 0,24 x 4,50 m
130	5224475	aquatherm black system heating and cooling grid 0,24 x 4,75 m
130	5224500	aquatherm black system heating and cooling grid 0,24 x 5,00 m
130	5228275	aquatherm black system heating and cooling grid 0,28 x 2,75 m
130	5228300	aquatherm black system heating and cooling grid 0,28 x 3,00 m
130	5228325	aquatherm black system heating and cooling grid 0,28 x 3,25 m
130	5228350	aquatherm black system heating and cooling grid 0,28 x 3,50 m
130	5228375	aquatherm black system heating and cooling grid 0,28 x 3,75 m
130	5228400	aquatherm black system heating and cooling grid 0,28 x 4,00 m
130	5228425	aquatherm black system heating and cooling grid 0,28 x 4,25 m
130	5228450	aquatherm black system heating and cooling grid 0,28 x 4,50 m
130	5228475	aquatherm black system heating and cooling grid 0,28 x 4,75 m
130	5228500	aquatherm black system heating and cooling grid 0,28 x 5,00 m
131	5232275	aquatherm black system heating and cooling grid 0,32 x 2,75 m
131	5232300	aquatherm black system heating and cooling grid 0,32 x 3,00 m
131	5232325	aquatherm black system heating and cooling grid 0,32 x 3,25 m
131	5232350	aquatherm black system heating and cooling grid 0,32 x 3,50 m
131	5232375	aquatherm black system heating and cooling grid 0,32 x 3,75 m
131	5232400	aquatherm black system heating and cooling grid 0,32 x 4,00 m
131	5232425	aquatherm black system heating and cooling grid 0,32 x 4,25 m
131	5232450	aquatherm black system heating and cooling grid 0,32 x 4,50 m
131	5232475	aquatherm black system heating and cooling grid 0,32 x 4,75 m
131	5232500	aquatherm black system heating and cooling grid 0,32 x 5,00 m
131	5236275	aquatherm black system heating and cooling grid 0,36 x 2,75 m
131	5236300	aquatherm black system heating and cooling grid 0,36 x 3,00 m
131	5236325	aquatherm black system heating and cooling grid 0,36 x 3,25 m
131	5236350	aquatherm black system heating and cooling grid 0,36 x 3,50 m
131	5236375	aquatherm black system heating and cooling grid 0,36 x 3,75 m
131	5236400	aquatherm black system heating and cooling grid 0,36 x 4,00 m
131	5236425	aquatherm black system heating and cooling grid 0,36 x 4,25 m
131	5236450	aquatherm black system heating and cooling grid 0,36 x 4,50 m
131	5236475	aquatherm black system heating and cooling grid 0,36 x 4,75 m
131	5236500	aquatherm black system heating and cooling grid 0,36 x 5,00 m
132	5240275	aquatherm black system heating and cooling grid 0,40 x 2,75 m
132	5240325	aquatherm black system heating and cooling grid 0,40 x 3,25 m
132	5240350	aquatherm black system heating and cooling grid 0,40 x 3,50 m
132	5240375	aquatherm black system heating and cooling grid 0,40 x 3,75 m
132	5240400	aquatherm black system heating and cooling grid 0,40 x 4,00 m
132	5240425	aquatherm black system heating and cooling grid 0,40 x 4,25 m
132	5240450	aquatherm black system heating and cooling grid 0,40 x 4,50 m
132	5240475	aquatherm black system heating and cooling grid 0,40 x 4,75 m
132	5240500	aquatherm black system heating and cooling grid 0,40 x 5,00 m
132	5248275	aquatherm black system heating and cooling grid 0,48 x 2,75 m
132	5248300	aquatherm black system heating and cooling grid 0,48 x 3,00 m
132	5248325	aquatherm black system heating and cooling grid 0,48 x 3,25 m
132	5248350	aquatherm black system heating and cooling grid 0,48 x 3,50 m
132	5248375	aquatherm black system heating and cooling grid 0,48 x 3,75 m
132	5248400	aquatherm black system heating and cooling grid 0,48 x 4,00 m
132	5248425	aquatherm black system heating and cooling grid 0,48 x 4,25 m
132	5248450	aquatherm black system heating and cooling grid 0,48 x 4,50 m
132	5248475	aquatherm black system heating and cooling grid 0,48 x 4,75 m
132	5248500	aquatherm black system heating and cooling grid 0,48 x 5,00 m
133	5252275	aquatherm black system heating and cooling grid 0,52 x 2,75 m
133	5252300	aquatherm black system heating and cooling grid 0,52 x 3,00 m
133	5252325	aquatherm black system heating and cooling grid 0,52 x 3,25 m
133	5252350	aquatherm black system heating and cooling grid 0,52 x 3,50 m
133	5252375	aquatherm black system heating and cooling grid 0,52 x 3,75 m
133	5252400	aquatherm black system heating and cooling grid 0,52 x 4,00 m
133	5252425	aquatherm black system heating and cooling grid 0,52 x 4,25 m
133	5252450	aquatherm black system heating and cooling grid 0,52 x 4,50 m
133	5252475	aquatherm black system heating and cooling grid 0,52 x 4,75 m
133	5252500	aquatherm black system heating and cooling grid 0,52 x 5,00 m
133	5256275	aquatherm black system heating and cooling grid 0,56 x 2,75 m
133	5256300	aquatherm black system heating and cooling grid 0,56 x 3,00 m
133	5256325	aquatherm black system heating and cooling grid 0,56 x 3,25 m
133	5256350	aquatherm black system heating and cooling grid 0,56 x 3,50 m
133	5256375	aquatherm black system heating and cooling grid 0,56 x 3,75 m
133	5256400	aquatherm black system heating and cooling grid 0,56 x 4,00 m
133	5256425	aquatherm black system heating and cooling grid 0,56 x 4,25 m
133	5256450	aquatherm black system heating and cooling grid 0,56 x 4,50 m
133	5256475	aquatherm black system heating and cooling grid 0,56 x 4,75 m
133	5256500	aquatherm black system heating and cooling grid 0,56 x 5,00 m
134	5260275	aquatherm black system heating and cooling grid 0,60 x 2,75 m
134	5260300	aquatherm black system heating and cooling grid 0,60 x 3,00 m
134	5260325	aquatherm black system heating and cooling grid 0,60 x 3,25 m

DELETED ARTICLES SINCE THE VERSION 2019

Page Art. no. Article

130	6424500	aquatherm black system heating and cooling grid 0,24 x 5,00 m	134	6468400	aquatherm black system heating and cooling grid 0,68 x 4,00 m
130	6428275	aquatherm black system heating and cooling grid 0,28 x 2,75 m	134	6468425	aquatherm black system heating and cooling grid 0,68 x 4,25 m
130	6428300	aquatherm black system heating and cooling grid 0,28 x 3,00 m	134	6468450	aquatherm black system heating and cooling grid 0,68 x 4,50 m
130	6428325	aquatherm black system heating and cooling grid 0,28 x 3,25 m	134	6468475	aquatherm black system heating and cooling grid 0,68 x 4,75 m
130	6428350	aquatherm black system heating and cooling grid 0,28 x 3,50 m	134	6468500	aquatherm black system heating and cooling grid 0,68 x 5,00 m
130	6428375	aquatherm black system heating and cooling grid 0,28 x 3,75 m	135	6480275	aquatherm black system heating and cooling grid 0,80 x 2,75 m
130	6428400	aquatherm black system heating and cooling grid 0,28 x 4,00 m	135	6480300	aquatherm black system heating and cooling grid 0,80 x 3,00 m
130	6428425	aquatherm black system heating and cooling grid 0,28 x 4,25 m	135	6480325	aquatherm black system heating and cooling grid 0,80 x 3,25 m
130	6428450	aquatherm black system heating and cooling grid 0,28 x 4,50 m	135	6480350	aquatherm black system heating and cooling grid 0,80 x 3,50 m
130	6428475	aquatherm black system heating and cooling grid 0,28 x 4,75 m	135	6480375	aquatherm black system heating and cooling grid 0,80 x 3,75 m
130	6428500	aquatherm black system heating and cooling grid 0,28 x 5,00 m	135	6480400	aquatherm black system heating and cooling grid 0,80 x 4,00 m
131	6432275	aquatherm black system heating and cooling grid 0,32 x 2,75 m	135	6480425	aquatherm black system heating and cooling grid 0,80 x 4,25 m
131	6432300	aquatherm black system heating and cooling grid 0,32 x 3,00 m	135	6480450	aquatherm black system heating and cooling grid 0,80 x 4,50 m
131	6432325	aquatherm black system heating and cooling grid 0,32 x 3,25 m	135	6480475	aquatherm black system heating and cooling grid 0,80 x 4,75 m
131	6432350	aquatherm black system heating and cooling grid 0,32 x 3,50 m	135	6480500	aquatherm black system heating and cooling grid 0,80 x 5,00 m
131	6432375	aquatherm black system heating and cooling grid 0,32 x 3,75 m	135	6400275	aquatherm black system heating and cooling grid 1,00 x 2,75 m
131	6432400	aquatherm black system heating and cooling grid 0,32 x 4,00 m	135	6400300	aquatherm black system heating and cooling grid 1,00 x 3,00 m
131	6432425	aquatherm black system heating and cooling grid 0,32 x 4,25 m	135	6400325	aquatherm black system heating and cooling grid 1,00 x 3,25 m
131	6432450	aquatherm black system heating and cooling grid 0,32 x 4,50 m	135	6400350	aquatherm black system heating and cooling grid 1,00 x 3,50 m
131	6432475	aquatherm black system heating and cooling grid 0,32 x 4,75 m	135	6400375	aquatherm black system heating and cooling grid 1,00 x 3,75 m
131	6432500	aquatherm black system heating and cooling grid 0,32 x 5,00 m	135	6400400	aquatherm black system heating and cooling grid 1,00 x 4,00 m
131	6436275	aquatherm black system heating and cooling grid 0,36 x 2,75 m	135	6400425	aquatherm black system heating and cooling grid 1,00 x 4,25 m
131	6436300	aquatherm black system heating and cooling grid 0,36 x 3,00 m	135	6400450	aquatherm black system heating and cooling grid 1,00 x 4,50 m
131	6436325	aquatherm black system heating and cooling grid 0,36 x 3,25 m	135	6400475	aquatherm black system heating and cooling grid 1,00 x 4,75 m
131	6436350	aquatherm black system heating and cooling grid 0,36 x 3,50 m	135	6400500	aquatherm black system heating and cooling grid 1,00 x 5,00 m
131	6436375	aquatherm black system heating and cooling grid 0,36 x 3,75 m			
131	6436400	aquatherm black system heating and cooling grid 0,36 x 4,00 m			
131	6436425	aquatherm black system heating and cooling grid 0,36 x 4,25 m			
131	6436450	aquatherm black system heating and cooling grid 0,36 x 4,50 m			
131	6436475	aquatherm black system heating and cooling grid 0,36 x 4,75 m			
131	6436500	aquatherm black system heating and cooling grid 0,36 x 5,00 m			
132	6440275	aquatherm black system heating and cooling grid 0,40 x 2,75 m			
132	6440300	aquatherm black system heating and cooling grid 0,40 x 3,00 m			
132	6440325	aquatherm black system heating and cooling grid 0,40 x 3,25 m			
132	6440350	aquatherm black system heating and cooling grid 0,40 x 3,50 m			
132	6440375	aquatherm black system heating and cooling grid 0,40 x 3,75 m			
132	6440400	aquatherm black system heating and cooling grid 0,40 x 4,00 m			
132	6440425	aquatherm black system heating and cooling grid 0,40 x 4,25 m			
132	6440450	aquatherm black system heating and cooling grid 0,40 x 4,50 m			
132	6440475	aquatherm black system heating and cooling grid 0,40 x 4,75 m			
132	6440500	aquatherm black system heating and cooling grid 0,40 x 5,00 m			
132	6448275	aquatherm black system heating and cooling grid 0,48 x 2,75 m			
132	6448300	aquatherm black system heating and cooling grid 0,48 x 3,00 m			
132	6448325	aquatherm black system heating and cooling grid 0,48 x 3,25 m			
132	6448350	aquatherm black system heating and cooling grid 0,48 x 3,50 m			
132	6448375	aquatherm black system heating and cooling grid 0,48 x 3,75 m			
132	6448400	aquatherm black system heating and cooling grid 0,48 x 4,00 m			
132	6448425	aquatherm black system heating and cooling grid 0,48 x 4,25 m			
132	6448450	aquatherm black system heating and cooling grid 0,48 x 4,50 m			
132	6448475	aquatherm black system heating and cooling grid 0,48 x 4,75 m			
132	6448500	aquatherm black system heating and cooling grid 0,48 x 5,00 m			
133	6452275	aquatherm black system heating and cooling grid 0,52 x 2,75 m			
133	6452300	aquatherm black system heating and cooling grid 0,52 x 3,00 m			
133	6452325	aquatherm black system heating and cooling grid 0,52 x 3,25 m			
133	6452350	aquatherm black system heating and cooling grid 0,52 x 3,50 m			
133	6452375	aquatherm black system heating and cooling grid 0,52 x 3,75 m			
133	6452400	aquatherm black system heating and cooling grid 0,52 x 4,00 m			
133	6452425	aquatherm black system heating and cooling grid 0,52 x 4,25 m			
133	6452450	aquatherm black system heating and cooling grid 0,52 x 4,50 m			
133	6452475	aquatherm black system heating and cooling grid 0,52 x 4,75 m			
133	6452500	aquatherm black system heating and cooling grid 0,52 x 5,00 m			
133	6456275	aquatherm black system heating and cooling grid 0,56 x 2,75 m			
133	6456300	aquatherm black system heating and cooling grid 0,56 x 3,00 m			
133	6456325	aquatherm black system heating and cooling grid 0,56 x 3,25 m			
133	6456350	aquatherm black system heating and cooling grid 0,56 x 3,50 m			
133	6456375	aquatherm black system heating and cooling grid 0,56 x 3,75 m			
133	6456400	aquatherm black system heating and cooling grid 0,56 x 4,00 m			
133	6456425	aquatherm black system heating and cooling grid 0,56 x 4,25 m			
133	6456450	aquatherm black system heating and cooling grid 0,56 x 4,50 m			
133	6456475	aquatherm black system heating and cooling grid 0,56 x 4,75 m			
133	6456500	aquatherm black system heating and cooling grid 0,56 x 5,00 m			
134	6460275	aquatherm black system heating and cooling grid 0,60 x 2,75 m			
134	6460300	aquatherm black system heating and cooling grid 0,60 x 3,00 m			
134	6460325	aquatherm black system heating and cooling grid 0,60 x 3,25 m			
134	6460350	aquatherm black system heating and cooling grid 0,60 x 3,50 m			
134	6460375	aquatherm black system heating and cooling grid 0,60 x 3,75 m			
134	6460400	aquatherm black system heating and cooling grid 0,60 x 4,00 m			
134	6460425	aquatherm black system heating and cooling grid 0,60 x 4,25 m			
134	6460450	aquatherm black system heating and cooling grid 0,60 x 4,50 m			
134	6460475	aquatherm black system heating and cooling grid 0,60 x 4,75 m			
134	6460500	aquatherm black system heating and cooling grid 0,60 x 5,00 m			
134	6468275	aquatherm black system heating and cooling grid 0,68 x 2,75 m			
134	6468300	aquatherm black system heating and cooling grid 0,68 x 3,00 m			
134	6468325	aquatherm black system heating and cooling grid 0,68 x 3,25 m			
134	6468350	aquatherm black system heating and cooling grid 0,68 x 3,50 m			
134	6468375	aquatherm black system heating and cooling grid 0,68 x 3,75 m			

Control components

146	92402–92412	aquatherm heating circuit manifold with flow indicator and dynamic valves
146	92302–92312	aquatherm heating circuit manifold with flow indicator
147	92320	aquatherm ball valve set
147	92330	aquatherm mid connection set
147	92323	aquatherm universal heat meter
149	94236	aquatherm dewpoint sensor
149	94307	aquatherm radio room thermostat
149	94347	aquatherm multichannel receiver
149	94348	aquatherm Hub

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PRODUCTS

aquatherm is the leading manufacturer of polypropylene pipe systems for plant engineering and building services. The numerous product lines provide superior solutions in potable water applications, heating systems, fire sprinkler systems, air-conditioning and refrigeration technology, as well as in surface heating and cooling systems. The product range comprises more than 17,000 articles in six product lines.

		Dimension [mm]																	
		16	17	20	25	32	40	50	63	75	90	110	125	160	200	250	315	355	400
aquatherm green pipe	SDR 6 S	●		●	●	●	●	●	●	●	●	●							
aquatherm green pipe	SDR 7,4 S	●		●	●	●	●	●	●										
aquatherm green pipe	SDR 7,4 MF			●	●	●	●	●	●	●	●	●	●	●	●	●			
aquatherm green pipe	SDR 7,4 MF UV			●	●	●	●	●	●	●	●	●	●	●	●	●			
aquatherm green pipe	SDR 9 MF RP					●	●	●	●	●	●	●	●	●	●	●	●	●	
aquatherm green pipe	SDR 9 MF RP UV					●	●	●	●	●	●	●	●	●	●	●	●	●	
aquatherm green pipe	SDR 9 MF RP TI					●	●	●	●	●	●	●	●	●	●	●	●	●	
aquatherm green pipe	SDR 11 S			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
aquatherm green pipe	SDR 11 MF																		●
aquatherm blue pipe	SDR 7,4 MF			●	●														
aquatherm blue pipe	SDR 7,4 MF UV			●	●														
aquatherm blue pipe	SDR 7,4 MF OT			●	●														
aquatherm blue pipe	SDR 9 MF RP					●													
aquatherm blue pipe	SDR 9 MF RP UV					●													
aquatherm blue pipe	SDR 9 MF RP OT					●													
aquatherm blue pipe	SDR 9 MF RP TI					●													
aquatherm blue pipe	SDR 9 MF RP OT TI					●													
aquatherm blue pipe	SDR 11 S			●	●														
aquatherm blue pipe	SDR 11 MF RP						●	●	●	●	●	●	●	●	●	●	●	●	●
aquatherm blue pipe	SDR 11 MF RP UV						●	●	●	●	●	●	●	●	●	●	●	●	●
aquatherm blue pipe	SDR 11 MF RP OT						●	●	●	●	●	●	●	●	●	●			
aquatherm blue pipe	SDR 11 MF RP TI						●	●	●	●	●	●	●	●	●	●	●	●	
aquatherm blue pipe	SDR 11 MF RP OT TI						●	●	●	●	●	●	●	●	●	●			
aquatherm blue pipe	SDR 17,6 MF RP												●	●	●	●	●	●	●
aquatherm blue pipe	SDR 17,6 MF RP UV												●	●	●	●	●	●	●
aquatherm blue pipe	SDR 17,6 MF RP TI												●	●	●	●	●	●	●
aquatherm red pipe	SDR 7,4 MF HI					●	●	●	●	●	●	●	●						
aquatherm black system	M OT																		
aquatherm orange system	M OT	●	●	●	●														
aquatherm grey pipe	M OT	●		●	●	●													

ABBREVIATIONS

S	single-layer	UV	UV-resistant
M	multi-layer	OT	oxygen-tight
MF	multi-layer, fibre-reinforced	TI	thermally isolated
RP	raised pressure resistance	HI	hardly inflammable

			Fields of application										
450	500	630	potable water	HVAC	swimming pool	chemical fluids	recycled & reclaimed water	fire protection	compressed air	district heating	geo-thermal	ship-building sector	Refrigeration & air conditioning
			●	○	○	●	○		○	○	○	●	○
			●	○	○	●	○		○	○	○	●	○
			●	○	○	●	○		○	○	○	●	○
			●	○	○	●	○		○	○	○	●	○
			●	○	○	●	○		○	○	○	●	○
			●	○	○	●	○		○	○	○	●	○
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			●	○	○	●	○		○	○	○	●	○
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				●	●	●	○		●	●	●	●	●
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				●	●	●	○		●	●	●	●	●
				●	●	●	○		●	●	●	●	●
				●	●	●	○		●	●	●	●	●
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●				●	●	●	○		●	●	●	●	●
				●	●	●	○		●	●	●	●	●
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●	●	●		●	●	●	○		●	●	●	●	●
				●	●	●	○		●	●	●	●	●
								●					
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			●	○	○	●	○		○	●	●	●	

System recommended due to its technical advantages: ●
 Application of the system is suitable: ○

AQUATHERM BLUE PIPE SYSTEM TO FEATURE INCREASED PRESSURE RESISTANCE

fusiolen® PP-RCT will be standard for SDRs 9, 11, and 17.6 beginning April 1

Piping products with increased pressure resistance are increasingly in demand in the heating and cooling market. aquatherm is pleased to meet this demand by announcing that aquatherm blue pipe in SDR 11 and SDR 17.6 will be converted to the material fusiolen® PP-RCT beginning April 1, 2020 and will be renamed aquatherm blue pipe MF RP. The change in material is accompanied by a new appearance: All aquatherm blue pipe products will be single-coloured blue without green stripes in the future.

The fusiolen® PP-RCT material is characterized by increased pressure resistance at higher temperatures. With this change, aquatherm blue pipe will be an even better fit for applications such as high-pressure risers, high-temperature heating and district heating, and industrial process systems. The fusiolen® PP-RCT material will continue to weigh significantly less than steel, copper and stainless-steel pipe, thereby simplifying handling during transport, in fabrication shops and on the construction site.

fusiolen® PP-RCT is classified as a polypropylene random copolymer with increased pressure resistance in accordance with ISO 15874. It meets the most stringent international and national standards for polypropylene pressure piping. With the same outside diameter and same wall thickness, pipes made of fusiolen® PP-RCT can withstand higher pressures than PP-R pipes, especially at higher temperatures. The connection technology remains the same as it is for PP-R: aquatherm blue pipe MF RP can be heat-fused to all aquatherm green pipe fittings using the same fusion tools as PP-R pipe.

The industry leader in polypropylene piping systems, aquatherm developed fusiolen® PP-RCT in 2012 as an option for green pipe systems requiring in-

creased pressure resistance at higher temperatures. At that time, the new aquatherm green pipe SDR 9 MF RP pipe series was introduced. In 2016, aquatherm blue pipe SDR 9 MF RP was launched in North America based on this material and technology. This is now being expanded to include SDR 11 and SDR 17.6 globally.

The changeover to aquatherm blue pipe MF RP in SDR 11 and SDR 17.6 will take place on April 1, 2020. Depending on the country and retailer it may be several months before the PP-RCT products completely replace PP-R products.

About fusiolen®:

In 1979, aquatherm has developed its own, innovative polypropylene material fusiolen®. fusiolen® is respected worldwide for its consistency, chemical purity, and low environmental impact. Continuous research and development have led to enhanced properties as well as to new materials like fusiolen® PP-R FS and fusiolen® PP-RCT.



PREFABRICATION MADE TO MEASURE

aquatherm offers customized solutions

Time is money! That piece of life wisdom proves itself daily, especially in the construction industry. The sanitary, heating, and air conditioning installations of every building object are often a temporal challenge, and not only for the architects and planners: the implementation on site also can present the executing site managers with significant challenges caused by tight schedules and difficult external conditions. To address such challenges, aquatherm prefabrication offers customized solutions.

aquatherm prefabrication takes place in a clean, controlled environment. Dirty, dusty, and cold installation conditions — which can be commonplace on construction sites — thus have no influence on the final product. Another advantage is the time savings of professional prefabrication. Direct access to all articles in stock enables a quick reaction to any special need and allows a solution to be implemented without time delay.

Prefabrication is also a way to counteract the skills shortage by shifting the complexity and effort from the construction site to the manufacturer, thus creating free space on site.

Due to the diversity of today's applications, there is hardly any way to cover the distribution of liquid media through a standardized or modular distribution design. Every building project has its own individual requirements. The type of medium, application areas, regulations and laws, and architectural conditions all affect the material and design of the piping system. That's why whether new building or renovation, heating and cooling, open or closed systems, drinking water or aggressive media, aquatherm offers customized solutions.




















aquatherm prefabrication is equipped to handle the special components that are playing an increasingly important role in today's challenging and unusual construction projects. Ring-shaped installations in buildings with cylindrical design or storage tanks, as well as pyramids with extreme angles have already been equipped with special components by aquatherm.

aquatherm plans and builds manifolds and special components directly in its own workshop according to customer's specifications and sends them ready for installation anywhere in the world. To start the process, only the corresponding planning data, 3D drawings and/or sketches with dimensions are required. Subsequently, aquatherm will supply a quotation including material extracts and drawings. And all along the way a competent team of experienced technicians will stand by the customer with help and advice.



aquatherm plans and builds fixtures and special components directly in its own workshop according to customer's specifications and sends them ready for installation anywhere in the world.

Fields of application

- | | |
|--|---|
|  potable water application |  sports floor heating and cooling |
|  heating system construction |  swimming-pool technology |
|  connection heating and cooling |  chemical transport |
|  underfloor heating |  rainwater application |
|  wall heating |  irrigation |
|  ceiling heating and cooling |  fire protection sprinkler-systems |
|  industrial floor cooling |  application in the field of ship building |
|  industrial floor heating |  district heating pipeline systems |
|  chilled water technology |  geothermal |
|  agriculture | |

Abbreviations pipe structure

S	single-layer
M	multi-layer
MF	multi-layer, fibre-reinforced
RP	raised pressure resistance
UV	UV-resistant
OT	oxygen-tight
TI	thermally isolated

Abbreviations material

PP	polypropylene
PP-R	polypropylene random copolymer
PP-RCT	polypropylen random copolymer with raised pressure resistance
PE-RT	polyethylene with raised temperature resistance

COLOUR SCHEME

For the presentation of combinable products.

◆ = Only available on request.

Systems		<ul style="list-style-type: none"> • aquatherm green pipe • aquatherm blue pipe
•		Only applicable with aquatherm green pipe
	•	Only applicable with aquatherm blue pipe
•	•	Applicable with aquatherm green pipe and aquatherm blue pipe

aquatherm green pipe

aquatherm green pipe has revolutionized the plastic piping sector and has proven its technical suitability worldwide for decades. The innovative green pipe from aquatherm is made of corrosion-resistant, chemically inert polypropylene. It is completely free of heavy metals and toxic chemicals and thus ideally suited for potable water applications. aquatherm green pipe also can be used for swimming pools, agriculture, shipbuilding, or the transport of chemicals. It is joined using reliable heat fusion, which eliminates the hazards of welding and creates virtually leak-free connections.

The system includes the different types of pipes in SDR 6, SDR 7.4, SDR 9 and SDR 11. Some of these pipe series also include special reinforced fibre composite pipes. More than 450 joining and connection elements as well as valves and ball valves complete the system. The products are available in dimensions from 16 mm to 450 mm diameter.

Pipe system made of polypropylene for potable water supply

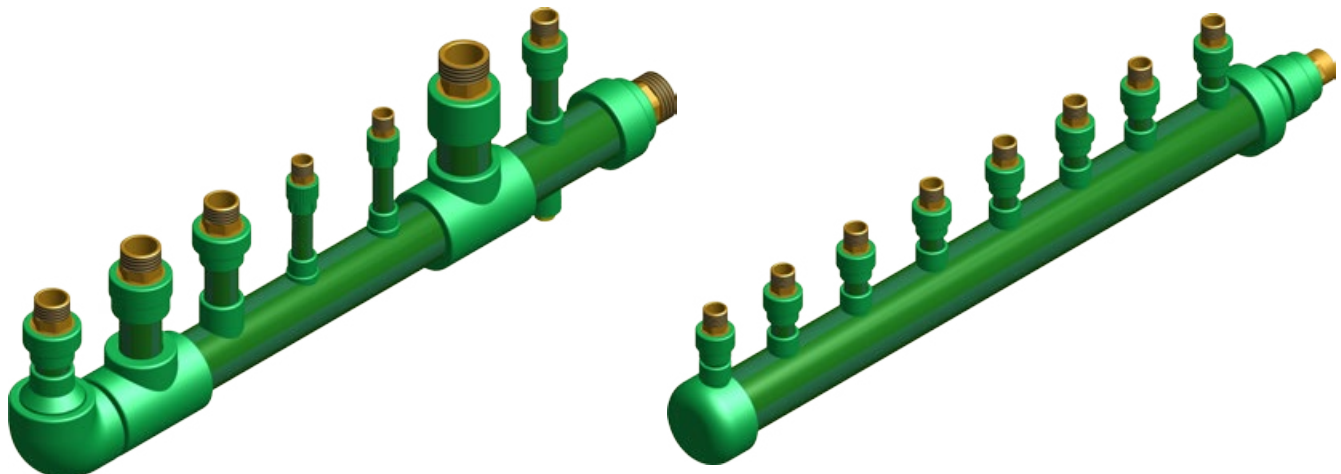
		Dimension [mm]																	
		16	20	25	32	40	50	63	75	90	110	125	160	200	250	315	355	400	450
aquatherm green pipe	SDR 6 S	•	•	•	•	•	•	•	•	•	•								
aquatherm green pipe	SDR 7,4 S	•	•	•	•	•	•	•	•	•	•								
aquatherm green pipe	SDR 7,4 MF		•	•	•	•	•	•	•	•	•	•	•	•	•				
aquatherm green pipe	SDR 7,4 MF UV		•	•	•	•	•	•	•	•	•	•	•	•	•				
aquatherm green pipe	SDR 9 MF RP				•	•	•	•	•	•	•	•	•	•	•	•	•		
aquatherm green pipe	SDR 9 MF RP UV				•	•	•	•	•	•	•	•	•	•	•	•	•		
aquatherm green pipe	SDR 9 MF RP TI				•	•	•	•	•	•	•	•	•	•	•	•	•		
aquatherm green pipe	SDR 11 S		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
aquatherm green pipe	SDR 11 MF																	•	•

MANIFOLD CONSTRUCTION – CUSTOM MADE

We design and construct your manifolds in our company according to your specifications and dispatch them pre-finished to any place of the world.

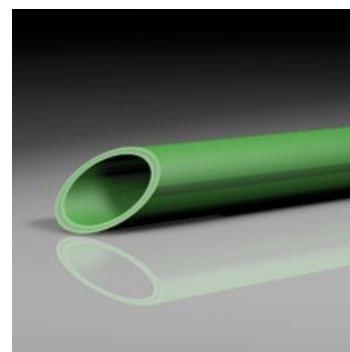
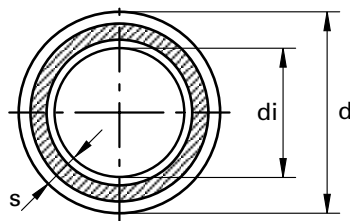
To start the process, only the corresponding planning data, 3D-data and/or drawings with dimensions are required. We return the offer including material list and drawing. A qualified team of experienced technicians likes to assist you.

For detailed information referring manifold construction please contact our technical hotline: +49 2722 950 200.



aquatherm green pipe SDR 9 MF RP


Structure of pipe:	MF = multi-layer, fibre-reinforced
Special feature of pipe:	RP = raised pressure resistance
Material:	fusiolen® PP-RCT
Pipe series:	SDR 9/S 4
Standards:	SKZ HR 3.28, ASTM F 2389, ISO 21003 SKZ A632/A644
Colour:	green with 4 dark green stripes
Form supplied:	ø 32 – 125 mm straight lengths 4 m ø 160 – 355 mm straight lengths 5.8 m
Packing Unit:	PU in meter
Application:	

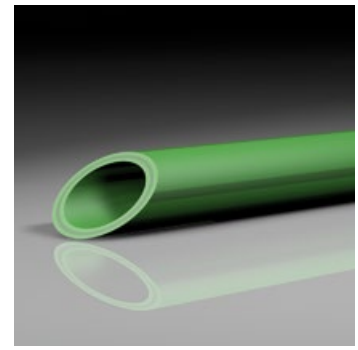
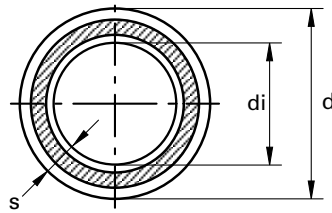


Mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-RCT.

SDR	Art. no.	Dimension d [mm]	Wall thickness s [mm]	Internal diameter di [mm]	Water content [l/m]	Weight [kg]	DN	PU [m]	Price € m
9	<i>Socket welding</i>								
	370712	32	3,6	24,80	0,483	0,328	25	40	
	370714	40	4,5	31,00	0,754	0,511	32	40	
	370716	50	5,6	38,80	1,182	0,791	40	20	
	370718	63	7,1	48,80	1,869	1,261	50	20	
	370720	75	8,4	58,20	2,659	1,771	-	20	
	370722	90	10,1	69,80	3,825	2,553	65	12	
	370724	110	12,3	85,40	5,725	3,789	80	8	
	370726	125	14,0	97,00	7,386	4,886	100	4	
	<i>Butt welding</i>								
	370730	160	17,9	124,20	12,109	7,987	125	5.8	
	370734	200	22,4	155,20	18,908	12,488	150	5.8	
	370738	250	27,9	194,20	29,605	19,422	200	5.8	
	370742	315	35,2	244,60	46,966	30,876	250	5.8	
370744	355	39,7	275,60	59,625	39,202	-	5.8		

aquatherm green pipe SDR 7.4 MF


Structure of pipe:	MF = multi-layer, fibre-reinforced
Material:	fusiolen® PP-R
Pipe series:	SDR 7.4 / S 3.2
Standards:	SKZ HR 3.28, ASTM F 2389, CSA B 137.11, ISO 21003 SKZ A314/616
Colour:	green with 4 dark green stripes
Form supplied:	straight lengths 4 m
Packing Unit:	PU in meter
Application:	

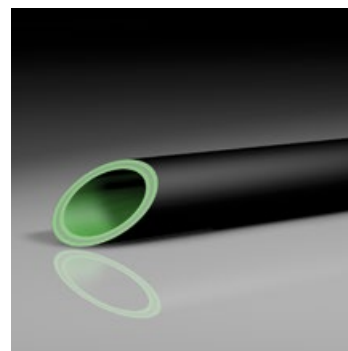
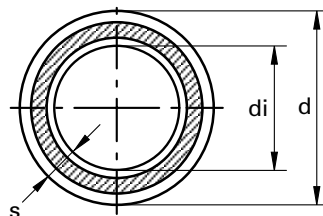


Mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-R.

SDR	Art. no.	Dimension d [mm]	Wall thickness s [mm]	Internal diameter di [mm]	Water content [l/m]	Weight [kg]	DN	PU [m]	Price € m
7.4	<i>Socket welding</i>								
	70708	20	2,8	14,40	0,163	0,157	15	100	
	70710	25	3,5	18,00	0,254	0,244	20	100	
	70712	32	4,4	23,00	0,423	0,391	25	40	
	70714	40	5,5	28,80	0,660	0,608	32	40	
	70716	50	6,9	36,20	1,029	0,948	40	20	
	70718	63	8,6	45,60	1,647	1,490	50	20	
	70720	75	10,3	54,40	2,323	2,120	-	20	
	70722	90	12,3	65,40	3,358	3,037	65	12	
	70724	110	15,1	79,80	4,999	4,546	80	8	
	70726	125	17,1	90,80	6,472	5,850	-	4	
	<i>Butt welding</i>								
	70730	160	21,9	116,20	10,599	9,559	125	5.8	
	70734	200	27.4	145,20	16,558	14,944	150	5.8	
70738	250	34,2	181,60	25,901	23,312	175	5.8		

aquatherm green pipe SDR 9 MF RP UV

Structure of pipe:	MF = multi-layer, fibre-reinforced
Special feature of pipe:	RP = raised pressure resistance UV = UV-resistant
Material:	fusiolen® PP-RCT
Pipe series:	SDR 9/S 4
Standards:	SKZ HR 3.28, ASTM F 2389, ISO 21003, SKZ A632/A644
Colour:	inner layer: green outer layer: black
Form supplied:	ø 32 – 125 mm straight lengths 4 m ø 160 – 355 mm straight lengths 5.8 m
Packing Unit:	PU in meter
Application:	

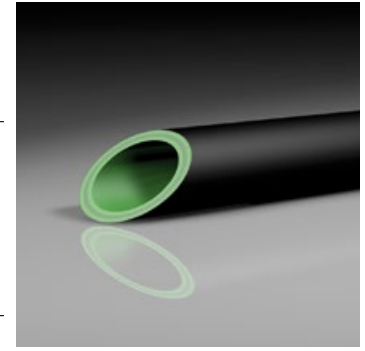
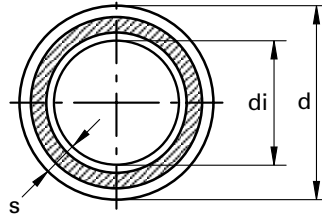


Resistant against UV-rays. Mechanically stabilized through a faser mix integrated in the middle layer of the fusiolen® PP-RCT.

SDR	Art. no.	Dimension d [mm]	Wall thickness s [mm]	Internal diameter di [mm]	Water content [l/m]	Weight [kg]	DN	PU [m]	Price € m
9	<i>Socket welding</i>								
	370762	32	3,6	24,80	0,483	0,422	25	40	
	370764	40	4,5	31,00	0,754	0,630	32	40	
	370766	50	5,6	38,80	1,182	0,944	40	20	
	370768	63	7,1	48,80	1,869	1,457	50	20	
	370770	75	8,4	58,20	2,659	1,998	-	20	
	370772	90	10,1	69,80	3,825	2,894	65	12	
	370774	110	12,3	85,40	5,725	4,397	80	8	
	370776	125	14,0	97,00	7,386	5,530	100	4	
	<i>Butt welding</i>								
	370780	160	17,9	124,20	12,109	8,287	125	5.8	
	370784	200	22,4	155,20	18,908	12,818	150	5.8	
	370788	250	27,9	194,20	29,605	19,741	200	5.8	
	370792 ♦	315	35,2	244,60	46,966	31,135	250	5.8	
370794 ♦	355	39,7	275,60	59,625	39,415	-	5.8		

aquatherm green pipe SDR 7.4 MF UV

- Structure of pipe:** MF = multi-layer, fibre-reinforced
- Special feature of pipe:** UV = UV-resistant
- Material:** fusiolen® PP-R
- Pipe series:** SDR 7.4/S 3.2
- Standards:** SKZ HR 3.28, ASTM F 2389, CSA B 137.11, ISO 21003
SKZ A314/616
- Colour:** inner layer: green
outer layer: black
- Form supplied:** ø 20 – 125 mm straight lengths 4 m
ø 160 – 250 mm straight lengths 5.8 m
- Packing Unit:** PU in meter
- Application:**

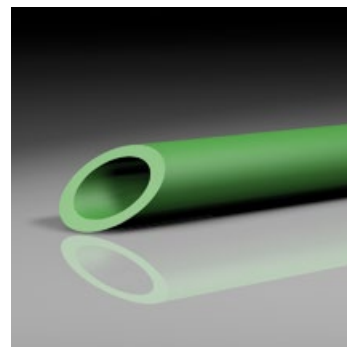
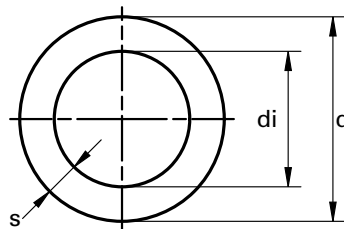


Resistant against UV-rays. Mechanically stabilized through a faser mix integrated in the middle layer of the fusiolen® PP-R.

SDR	Art. no.	Dimension d [mm]	Wall thickness s [mm]	Internal diameter di [mm]	Water content [l/m]	Weight [kg]	DN	PU [m]	Price € m
7.4	<i>Socket welding</i>								
	70758	20	2,8	14,40	0,163	0,210	15	100	
	70760	25	3,5	18,00	0,254	0,314	20	100	
	70762	32	4,4	23,00	0,423	0,485	25	40	
	70764	40	5,5	28,80	0,660	0,728	32	40	
	70766	50	6,9	36,20	1,029	1,101	40	20	
	70768	63	8,6	45,60	1,647	1,686	50	20	
	70770	75	10,3	54,40	2,323	2,347	-	20	
	70772	90	12,3	65,40	3,358	3,378	65	12	
	70774	110	15,1	79,80	4,999	5,054	80	8	
	70776	125	17,1	90,80	6,472	6,494	-	4	
	<i>Butt welding</i>								
	70780	160	21,9	116,20	10,599	9,859	100	5.8	
70784	200	27,4	145,20	16,550	15,273	150	5.8		
70788	250	34,2	181,60	25,888	23,630	175	5.8		
	315 – 355	<i>Dimensions 315 and 355 mm see aquatherm green pipe SDR 9 MF RP UV on page 16</i>							

aquatherm green pipe SDR 6/7.4 S

Structure of pipe:	S = single-layer
Material:	fusiolen® PP-R
Pipe series:	SDR 6/S 2.5 & SDR 7.4/S 3.2
Standards:	DIN 8077, DIN 8078, DIN EN ISO 15874, ASTM F 2389, CSA B 137.11
Colour:	green
Form supplied:	4 m straight lengths, *in coils
Packing Unit:	PU in meter
Application:	



SDR	Art. no.	Dimension d [mm]	Wall thickness s [mm]	Internal diameter di [mm]	Water content [l/m]	Weight [kg]	DN	PU [m]	Price € m
6	10006	16	2,7	10,60	0,088	0,111	10	100	
	10008	20	3,4	13,20	0,137	0,174	12	100	
	10010	25	4,2	16,60	0,216	0,268	15	100	
	10012	32	5,4	21,20	0,353	0,437	20	40	
	10014	40	6,7	26,60	0,555	0,675	25	40	
	10016	50	8,3	33,40	0,876	1,047	32	20	
	10018	63	10,5	42,00	1,385	1,662	40	20	
	10020	75	12,5	50,00	1,963	2,351	50	20	
	10022	90	15,0	60,00	2,826	3,379	60	12	
	10024	110	18,3	73,40	4,229	5,040	65	8	
	10106 *◆	16	2,7	10,60	0,088	0,111	10	100	
10108 *◆	20	3,4	13,20	0,137	0,174	12	100		
10110 *◆	25	4,2	16,60	0,216	0,268	15	100		
7.4	10806	16	2,2	11,60	0,106	0,096	12	100	
	10808	20	2,8	14,40	0,163	0,149	15	100	
	10810	25	3,5	18,00	0,254	0,232	20	100	
	10812	32	4,4	23,20	0,423	0,372	25	40	
	10814	40	5,5	29,00	0,660	0,578	32	40	
	10816	50	6,9	36,20	1,029	0,901	40	20	
	10818	63	8,6	45,80	1,647	1,416	50	20	
	10906 *◆	16	2,2	11,60	0,106	0,096	12	100	
	10908 *◆	20	2,8	14,40	0,163	0,149	15	100	

aquatherm green pipe SDR 11 S / MF

Structure of pipe: 20 – 315 mm: S = single-layer
400 & 450 mm: MF = multi-layer, fibre-reinforced

Material: fusiolen® PP-R

Pipe series: SDR 11/S5

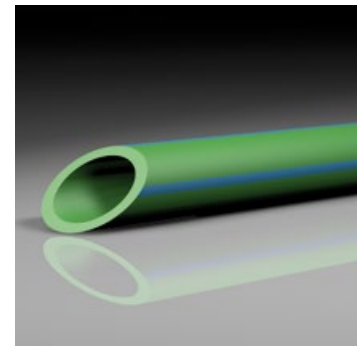
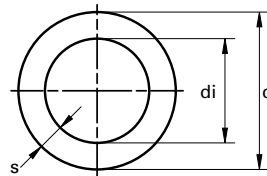
Standards: DIN 8077/78, DIN EN ISO 15874,
ASTM F 2389, CSA B 137.11

Colour: green with 4 blue stripes

Form supplied: ø 20 – 125 mm 4 m straight lengths, *in coils
ø 160 – 450 mm straight lengths 5,8 m

Packing Unit: PU in meter

Application:



SDR	Art. no.	Dimension d [mm]	Wall thickness s [mm]	Internal diameter di [mm]	Water content [l/m]	Weight [kg]	DN	PU [m]	Price € m
					<i>Socket welding</i>				
	10208	20	1,9	16,20	0,206	0,108	15	100	
	10210	25	2,3	20,40	0,327	0,165	20	100	
	10212	32	2,9	26,20	0,539	0,261	25	40	
	10214	40	3,7	32,60	0,834	0,414	32	40	
	10216	50	4,6	40,80	1,307	0,641	40	20	
	10218	63	5,8	51,40	2,074	1,012	50	20	
	10220	75	6,8	61,40	2,959	1,411	65	20	
	10222	90	8,2	73,60	4,252	2,043	80	12	
	10224	110	10,0	90,00	6,359	3,026	-	8	
	10226	125	11,4	102,20	8,199	3,924	100	4	
11	10308 *◆	20	1,9	16,20	0,206	0,108	15	100	
	10310 *◆	25	2,3	20,40	0,327	0,165	20	100	
	10312 *◆	32	2,9	26,20	0,539	0,261	25	50	
					<i>Butt welding</i>				
	10230	160	14,6	130,80	13,430	6,415	125	5.8	
	10234	200	18,2	163,60	21,010	9,992	150	5.8	
	10238	250	22,7	204,60	32,861	15,548	200	5.8	
	10242	315	28,6	257,80	52,172	24,664	250	5.8	
	10244 ◆	355	32,2	290,60	31,300	31,300	300	5.8	
	10246 ◆	400	36,3	327,60	39,734	39,734	300	5.8	
	10248 ◆	450	40,9	368,20	50,292	50,292	400	5.8	

aquatherm blue pipe

Made of corrosion-resistant polypropylene, aquatherm blue pipe is ideal for the transport of cooling and heating media in closed systems. It is particularly well suited for a wide variety of industrial applications. The physical properties of the plastic, such as its high temperature capacity and pressure resistance, are tailored to the specific needs of the heating and cooling sector. aquatherm blue pipe is joined via reliable heat fusion, which produces a virtually leak-free and cohesive unit with excellent safety and durability. aquatherm blue pipe combined with aquatherm green pipe fittings provides all the technology and components required for the piping installation of commercial air conditioning and heating systems and industrial applications.

Pipe system made of polypropylene

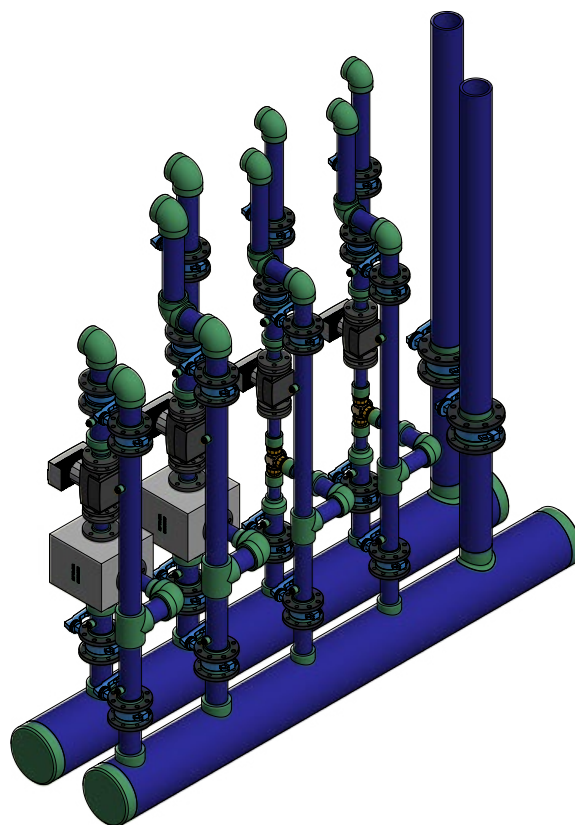
for chilled, hot fluid and various industrial applications

		Dimension [mm]																			
		20	25	32	40	50	63	75	90	110	125	160	200	250	315	355	400	450	500	630	
aquatherm blue pipe	SDR 7,4 MF	●	●																		
aquatherm blue pipe	SDR 7,4 MF UV	●	●																		
aquatherm blue pipe	SDR 7,4 MF OT	●	●																		
aquatherm blue pipe	SDR 9 MF RP			●																	
aquatherm blue pipe	SDR 9 MF RP UV			●																	
aquatherm blue pipe	SDR 9 MF RP OT			●																	
aquatherm blue pipe	SDR 9 MF RP TI			●																	
aquatherm blue pipe	SDR 9 MF RP OT TI			●																	
aquatherm blue pipe	SDR 11 S	●	●																		
aquatherm blue pipe	SDR 11 MF RP				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
aquatherm blue pipe	SDR 11 MF RP UV				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
aquatherm blue pipe	SDR 11 MF RP OT				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
aquatherm blue pipe	SDR 11 MF RP TI				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
aquatherm blue pipe	SDR 11 MF RP OT TI				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
aquatherm blue pipe	SDR 17,6 MF RP										●	●	●	●	●	●	●	●	●	●	●
aquatherm blue pipe	SDR 17,6 MF RP UV										●	●	●	●	●	●	●	●	●	●	●
aquatherm blue pipe	SDR 17,6 MF RP TI										●	●	●	●	●	●	●	●	●	●	●


MANIFOLD CONSTRUCTION – CUSTOM MADE

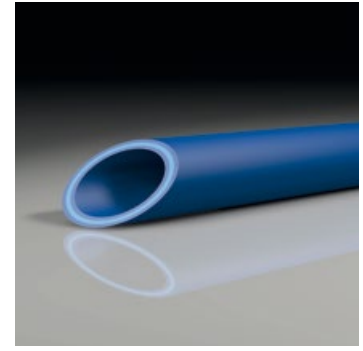
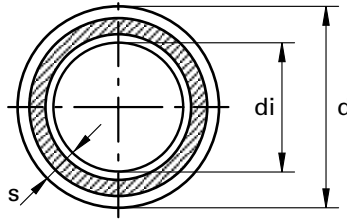
We design and construct your manifolds in our company according to your specifications and dispatch them pre-finished to any place of the world.

For this, only the corresponding planning data, 3D-data and/or drawings with dimensions are required. You receive an offer from us including material extract and drawing. A competent team of experienced technicians stands by with advice and action. For more information on prefabrication, please contact our technical hotline: +49 2722 950200.



aquatherm blue pipe SDR 7.4 MF || SDR 9/11/17.6 MF RP


Structure of pipe:	MF = multi-layer, fibre-reinforced
Special feature of pipe:	RP = raised pressure resistance
Material:	fusiole® PP-R / PP-RCT
Pipe series:	SDR 7.4 / S 3.2 & SDR11 / S 5 & SDR 17.6 / S 8.3 SDR 9 / S 4
Standards:	SKZ HR 3.28, ASTM F 2389, CSA B 137.11, ISO 21003
Colour:	blue
Form supplied:	∅ 20 – 125 mm straight lengths 4 m ∅ 160 – 630 mm straight lengths 5.8 m
Packing Unit:	PU in meter
Application:	

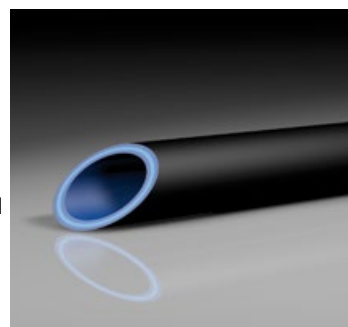
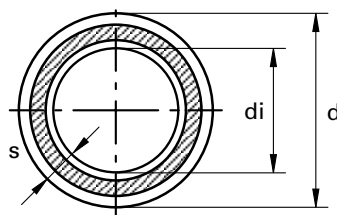


Mechanically stabilized through a fibre mix integrated in the middle layer of the fusiole® PP-R / PP-RCT.

SDR	Art. no.	Dimension d [mm]	Wall thickness s [mm]	Internal diameter di [mm]	Water content [l/m]	Weight [kg]	DN	PU [m]	Price € m	
<i>Socket welding</i>										
7.4	2070708	20	2,8	14,40	0,163	0,157	15	100		
	2070710	25	3,5	18,00	0,254	0,244	20	100		
9	2071112	32	3,6	24,8	0,539	0,334	25	40		
11	2071114	40	3,7	32,6	0,834	0,430	32	40		
	2071116	50	4,6	40,8	1,307	0,651	40	20		
	2071118	63	5,8	51,4	2,074	1,062	50	20		
	2071120	75	6,8	61,4	2,959	1,494	65	20		
	2071122	90	8,2	73,6	4,252	2,141	80	12		
	2071124	110	10,0	90	6,359	3,239	-	8		
	2071126	125	11,4	102,2	8,199	4,092	100	4		
	<i>Butt welding</i>									
2071130	160	14,6	130,8	13,430	6,710	125	5.8			
2071134	200	18,2	163,6	21,010	10,442	150	5.8			
2071138	250	22,7	204,6	32,861	16,579	200	5.8			
2071142	315	28,6	257,8	52,172	26,223	250	5.8			
2071144	355	32,2	290,6	66,29	33,276	300	5.8			
2071146	400	36,3	327,6	84,290	42,266	300	5.8			
2071148	450	40,9	368,2	106,477	53,566	400	5.8			
<i>Socket welding</i>										
17.6	3570125	125	7,1	110,8	9,637	2,667	100	0.04		
	<i>Butt welding</i>									
	3570130	160	9,1	141,8	15,792	4.39	150	5.8		
	3570134	200	11,4	177,2	24,661	6.93	200	5.8		
	3570138	250	14,2	221,6	38,568	10.64	250	5.8		
	3570142	315	17,9	279,2	61,223	16,606	300	5.8		
	3570144	355	20,1	314,8	77,832	21,589	350	5.8		
	3570146	400	22,7	354,6	98,756	27,468	350	5.8		
	3570148	450	25,5	399,0	125,036	34,716	400	5.8		
	3570150	500	28,4	443,2	154,272	42,955	450	5.8		
3570154	630	35,7	558,6	245,070	68,044	500	5.8			

aquatherm blue pipe SDR 7.4 MF UV || SDR 9/11/17.6 MF RP UV

Structure of pipe:	MF = multi-layer, fibre-reinforced
Special feature of pipe:	RP = raised pressure resistance UV = UV-resistant
Material:	fusiolen® PP-R / PP-RCT
Pipe series:	SDR 7.4 / S 3.2 & SDR11/SDR 17.6 / S 8.3 SDR 9 / S 4
Standards:	SKZ HR 3.28, ASTM F 2389, CSA B 137.11, ISO 21003
Colour:	outside: black, inside: blue
Form supplied:	ø 20 – 125 mm straight lengths 4 m ø 160 – 630 mm straight lengths 5.8 m
Packing Unit:	PU in meter
Application:	



UV-resistant. Mechanically stabilized by a fibre mixture, integrated in the middle layer of fusiolen® PP-R / PP-RCT.

SDR	Art. no.	Dimension d [mm]	Wall thickness s [mm]	Internal diameter di [mm]	Water content [l/m]	Weight [kg]	DN	PU [m]	Price € m
<i>Socket welding</i>									
7.4	2070758	20	2,8	14,40	0,163	0,210	15	100	
	2070760	25	3,5	18,00	0,254	0,314	20	100	
9	2071162	32	3,6	24,80	0,483	0,328	25		
11	2070164	40	3,7	32,60	0,834	0,555	32	40	
	2070166	50	4,6	40,80	1,307	0,827	40	20	
	2070168	63	5,8	51,40	2,074	1,260	50	20	
	2070170	75	6,8	61,40	2,959	1,712	65	20	
	2070172	90	8,2	73,60	4,252	2,480	80	12	
	2070174	110	10,0	90,00	6,359	3,693	-	8	
	2070176	125	11,4	102,20	8,199	4,774	100	4	
	<i>Butt welding</i>								
11	2070180	160	14,6	130,80	13,430	7,181	125	5.8	
	2070184	200	18,2	163,60	21,010	11,029	150	5.8	
	2070188	250	22,7	204,60	32,861	17,312	200	5.8	
	2070192	315	28,6	257,80	52,172	26,223	250	5.8	
	2070194	355	32,2	290,60	66,292	34,315	300	5.8	
	2070196 ◆	400	36,3	327,40	84,145	43,437	300	5.8	
	2070198 ◆	450	40,9	368,20	106,423	54,883	400	5.8	
	17.6	2570180	160	9,1	141,80	15,784	4,860	150	5.8
2570184		200	11,4	177,20	24,649	7,514	200	5.8	
2570188		250	14,2	221,60	38,549	11,369	250	5.8	
2570192 ◆		315	17,9	279,20	61,193	17,529	300	5.8	
2570194 ◆		355	20,1	314,8	77,793	21,647	350	5.8	
2570196 ◆		400	22,7	354,6	98,707	27,339	350	5.8	
2570198 ◆		450	25,5	399,0	124,973	34,454	400	5.8	
2570200 ◆		500	28,4	443,2	154,195	42,525	450	5.8	
2570204 ◆	630	35,7	558,6	245,947	66,976	500	5.8		

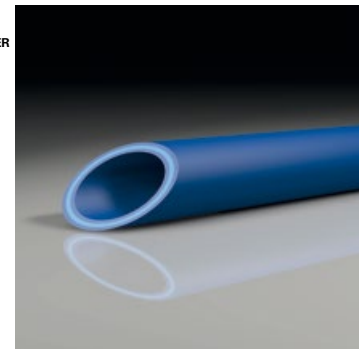
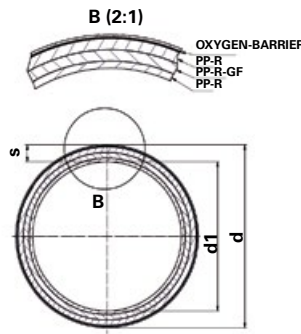
aquatherm blue pipe SDR 7.4 OT || SDR 9/11 MF RP OT

Structure of pipe: MF = multi-layer, fibre-reinforced
Special feature of pipe: RP = raised pressure resistance
 OT = oxygen-tight

Material: fusiolen® PP-R / PP-RCT
Pipe series: SDR 7.4/S 3.2 & SDR11 / S 5 / SDR 9/S 4
Standards: DIN 8077/78, DIN EN ISO 15874, ASTM F 2389, CSA B 137.11, ISO 21003

Colour: blue
Form supplied: ø 20 – 125 mm straight lengths 4 m
 ø 160 – 250 mm straight lengths 5,8 m

Packing Unit: PU in meter
Application:



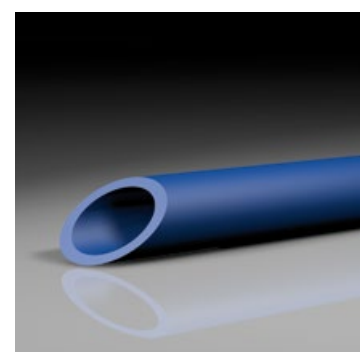
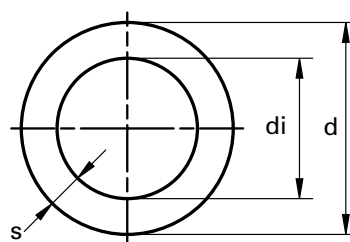
Oxygen-tight by diffusion barrier. Mechanically stabilized through a fibre mix integrated in the middle layer of fusiolen® PP-R / PP-RCT

SDR	Art. no.	Dimension d [mm]	Wall thickness s [mm]	Internal diameter d1 [mm]	Water content [l/m]	Weight [kg]	DN	PU [m]	Price € m
<i>Socket welding</i>									
7.4	2170708	20	2,8	14,40	0,163	0,211	15	100	
	2170710	25	3,5	18,00	0,254	0,316	20	100	
9	2171712	32	3,6	24,80	0,483	0,328	25	40	
11	2170114	40	3,7	32,60	0,834	0,562	32	40	
	2170116	50	4,6	40,80	1,307	0,695	40	20	
	2170118	63	5,8	51,40	2,074	1,279	50	20	
	2170120	75	6,8	61,40	2,959	1,739	65	20	
	2170122	90	8,2	73,60	4,252	2,533	80	12	
11	2170124	110	10,0	90,00	6,359	3,752	-	8	
	2170126	125	11,4	102,20	8,199	4,201	100	4	
<i>Butt welding</i>									
	2170130	160	14,6	130,80	13,430	6,847	125	5.8	
	2170134	200	18,2	163,60	21,010	10,520	150	5.8	
	2170138	250	22,7	204,60	32,861	16,226	200	5.8	

aquatherm blue pipe SDR 11 S

Structure of pipe: S = single-layer
Material: fusiolen® PP-R
Pipe series: SDR 11/S 5
Standards: DIN 8077/78, DIN EN ISO 15874, ASTM F 2389, CSA B 137.11, NSF 14, ISO 21003

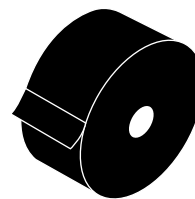
Colour: blue
Form supplied: 4 m straight lengths, *in coils
Packing Unit: PU in meter
Application:



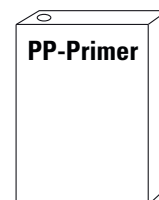
SDR	Art. no.	Dimension d [mm]	Wall thickness s [mm]	Internal diameter di [mm]	Water content [l/m]	Weight [kg]	DN	PU [m]	Price € m/pc
11	2010208	20	1,9	16,20	0,206	0,108	15	100	
	2010210	25	2,3	20,40	0,327	0,165	20	100	
	2010308 *◆	20	1,9	16,20	0,206	0,108	15	100	
	2010310 *◆	25	2,3	20,40	0,327	0,165	20	100	
	2010312 *◆	32	2,9	26,20	0,539	0,261	25	50	

ADHESIVE TAPE TO PROTECT AGAINST UV-RADIATION*for aquatherm MF UV pipes*

Art. no.	Dimension	PU	Price € pc
10871	50mm x 10m	1	

**AQUATHERM PP-PRIMER***for aquatherm PP pipes*

Art. no.	Dimension	PU	Box unit	Price € pc
50230		1l		
50231		10l		

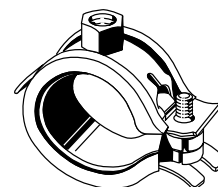
**AQUATHERM SPECIAL TOP COAT***for aquatherm PP-pipes*

Art. no.	Colour	PU	Box unit	Price € pc
50232	black	2,5l		
50233	white	2,5l		

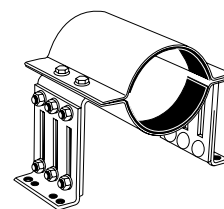
**PIPE CLAMPS***suitable for sliding and fixed point installation*

Thread connection: M8 & M10 for 16 – 125 mm | M10 for 160 mm | M16 for 200 – 355 mm

Art. no.	for pipe dimension [mm]	PU	Box unit	Price € pc
60516	16	50		
60520	20	50		
60525	25	50		
60532	32	50		
60540	40	50		
60550	50	50		
60563	63	25		
60575	75	25		
60590	90	25		
60594	110	25		
60595	125	25		
60597	160	25		
60650	200	1		
60654	250	1		
60658	315	1		
60660	355	1		

**PIPE CLAMPS***suitable for fixed point installation*

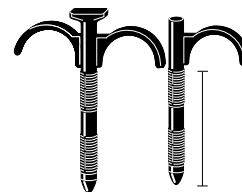
Art. no.	for pipe dimension [mm]	PU	Box unit	Price € pc
60768	160	1		
60770	200	1		
60774	250	1		
60778	315	1		
60780	355	1		
60782	400	1		
60784	450	1		
60786	500	1		
60790	630	1		



PIPE FASTENING BOW

suitable for \varnothing 16 – 32 mm pipes

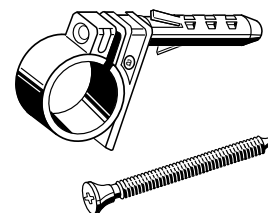
Art. no.	for pipe dimension	PU	Box unit	Price € pc
60604	1-fold - length = 45mm	50		
60606	1-fold - length = 75mm	50		
60608	2-fold - length = 45mm	50		
60610	2-fold - length = 75 mm	50		



PLASTIC PIPE CLAMPS

suitable for \varnothing 16 – 40 mm pipes

Art. no.	for pipe dimension [mm]	PU	Box unit	Price € pc
60616	16	50		
60620	20	50		
60625	25	30		
60632	32	30		
60640	40	30		



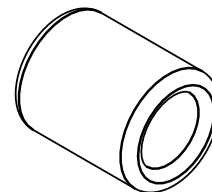
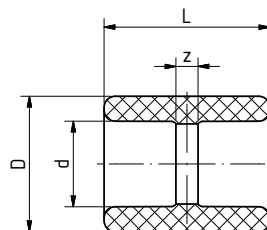
SOCKET

Systems: [aquatherm green pipe](#), [aquatherm blue pipe](#)

Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

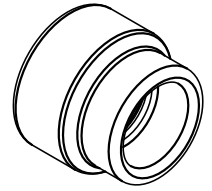
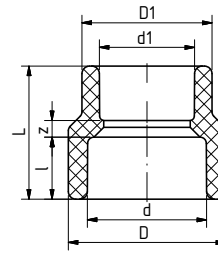
Colour: green



SDR	Art. no.	Dimension d [mm]	l [mm]	z [mm]	D [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 9 11 17.6	11006	16	30,0	4,0	24,5	0,008	•	10	2000	
	11008	20	32,0	3,0	27,0	0,008	• •	10	1900	
	11010	25	35,0	3,0	34,0	0,013	• •	10	1000	
	11012	32	40,5	4,5	43,0	0,026	• •	5	600	
	11014	40	47,5	6,5	52,0	0,044	• •	5	400	
	11016	50	53,0	6,0	68,0	0,084	• •	5	200	
	11018	63	60,5	5,5	84,0	0,139	• •	1	100	
	11020	75	66,5	6,5	100,0	0,226	• •	1	70	
	11022	90	72,5	6,5	120,0	0,343	• •	1	50	
	11024	110	82,0	8,0	147,0	0,581	• •	1	30	
11026	125	92,0	12,0	167,0	0,845	• •	1	25		

REDUCING SOCKET FEMALE/FEMALE

Systems: aquatherm green pipe, aquatherm blue pipe
Material: fusiolen® PP-R
Standard: DIN 16962, DIN EN ISO 15874
Colour: green



SDR	Art. no.	Dimension d [mm]	Dimension d1 [mm]	L [mm]	l [mm]	z [mm]	D [mm]	D1 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
		<i>double-sided socket welding</i>											
	11222	40	32	44,0	20,5	5,5	52,0	43,0	0,035	• •	1		
	11228	50	32	53,0	23,5	11,5	68,0	43,0	0,066	• •	1		
	11230	50	40	50,5	23,5	6,3	68,0	52,0	0,069	• •	1		
	11236	63	40	61,0	27,5	13,0	84,0	52,0	0,115	• •	1		
6	11238	63	50	56,0	27,5	5,0	84,0	68,0	0,120	• •	1		
7.4	11240	75	50	68,0	30,0	14,5	100,0	68,0	0,192	• •	1		
9	11242	75	63	62,5	30,0	5,0	100,0	84,0	0,185	• •	1		
11	11252	90	63	74,0	33,0	13,5	120,0	84,0	0,276	• •	1		
17.6	11253	90	75	69,0	33,0	6,0	120,0	100,0	0,297	• •	1		
	11257	110	75	85,0	37,0	18,0	147,0	100,0	0,516	• •	1		
	11259	110	90	77,3	37,0	7,3	147,0	120,0	0,520	• •	1		
	11263	125	90	91,0	40,0	18,0	167,0	120,0	0,749	• •	1		
	11265	125	110	87,0	40,0	10,0	167,0	147,0	0,726	• •	1		

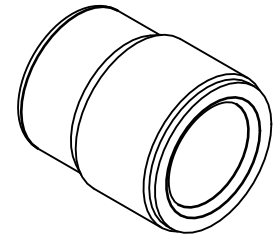
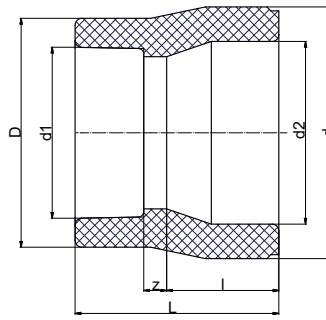
REDUCING SOCKET, SOCKET WELDING

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art. no.	Dimension d [mm]	Dimension d1 [mm]	Dimension d2 [mm]	L [mm]	L [mm]	z [mm]	D [mm]	Weight [kg]	System	PU	Box unit	Price € pc
<i>double-sided socket welding</i>													
	11109	20	16	13,50	14,5	39,0	11,5	24,5	0,009	•	10	2000	
	11110	25	16	16,50	16,0	38,0	9,0	26,0	0,012	•	10	2000	
	11112	25	20	16,50	16,0	38,5	8,0	29,5	0,012	• •	10	1500	
	11114	32	20	21,50	18,0	37,5	5,0	29,5	0,015	• •	5	1000	
	11116	32	25	21,00	18,0	38,0	4,0	34,0	0,016	• •	5	1000	
	11118	40	20	26,50	20,5	45,0	10,0	29,5	0,025	• •	5	750	
	11120	40	25	26,50	20,5	50,0	13,5	34,0	0,028	• •	5	600	
	11122	40	32	26,50	20,5	50,0	11,5	43,0	0,032	• •	5	500	
	11124	50	20	33,50	23,5	55,0	17,0	29,5	0,045	• •	5	500	
	11126	50	25	33,50	23,5	55,0	15,5	34,0	0,044	• •	5	400	
	11128	50	32	33,50	23,5	54,0	12,5	43,0	0,048	• •	5	350	
	11130	50	40	33,50	23,5	53,0	9,0	52,0	0,053	• •	5	300	
	11131	63	20	42,00	27,5	65,0	23,0	29,5	0,073	• •	1	200	
	11132	63	25	42,00	27,5	65,0	21,5	34,0	0,071	• •	1	200	
6	11134	63	32	42,00	27,5	62,0	16,5	43,0	0,080	• •	1	200	
7.4	11136	63	40	42,00	27,5	64,5	16,5	52,0	0,089	• •	1	200	
9	11138	63	50	42,00	27,5	63,5	12,5	68,0	0,107	• •	1	150	
11	11139	75	40	50,00	30,0	69,5	19,0	52,0	0,131	• •	1		
17.6	11140	75	50	50,00	30,0	63,0	9,5	68,0	0,141	• •	1		
	11142	75	63	50,00	30,0	71,0	13,5	84,0	0,170	• •	1		
	11143	75	20	50,00	30,0	65,5	21,0	34,5	0,113	• •	1		
	11144	75	25	50,00	30,0	65,5	19,5	34,5	0,111	• •	1		
	11145	75	32	50,00	30,0	69,5	21,5	52,0	0,140	• •	1		
	11151	90	50	60,00	33,0	75,0	18,5	68,0	0,193	• •	1		
	11152	90	63	60,00	33,0	78,0	17,5	84,0	0,224	• •	1		
	11153	90	75	60,00	33,0	81,5	18,5	100,0	0,273	• •	1		
	11155	110	63	73,50	37,0	86,0	21,5	84,0	0,356	• •	1		
	11157	110	75	73,50	37,0	89,0	22,0	100,0	0,383	• •	1		
	11159	110	90	73,50	37,0	99,0	29,0	120,0	0,500	• •	1		
	11161	125	75	84,00	40,0	101,0	31,0	100,0	0,518	• •	1		
	11163	125	90	84,00	40,0	99,0	26,0	120,0	0,588	• •	1		
	11165	125	110	84,00	40,0	112,0	35,0	147,0	0,832	• •	1		

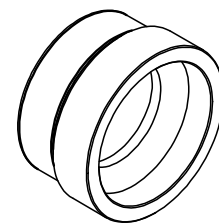
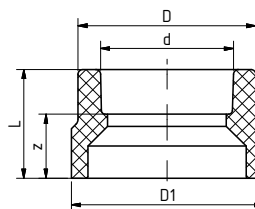
REDUCING SOCKET, SOCKET & BUTT WELDING

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-RCT

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art. no.	D1 [mm]	Dimension d [mm]	L [mm]	z [mm]	D [mm]	Weight [kg]	System	PU	Box unit	Price € pc
<i>onesided socket welding, other side butt welding</i>											
7.4	11174	160	110	90,0	53,0	147,0	0,730	•	1		
	11176	160	125	90,0	50,0	167,0	0,837	•	1		
	11182	200	125	135,0	95,0	167,0	1,644	•	1		
9	311174	160	110	90,0	53,0	147,0	0,730	•	1		
	311176	160	125	90,0	50,0	167,0	0,868	•	1		
	311182	200	125	135,0	95,0	167,0	1,599	•	1		
11	11175	160	110	90,0	53,0	147,0	0,655	• •	1		
	11177	160	125	90,0	50,0	167,0	0,636	• •	1		
	11183	200	125	135,0	95,0	167,0	1,341	• •	1		
17.6	2511174	160	110	90,0	53,0	147,0	0,618	•	1		
	2511176	160	125	90,0	50,0	167,0	0,628	•	1		
	2511182	200	125	135,0	95,0	167,0	1,055	•	1		

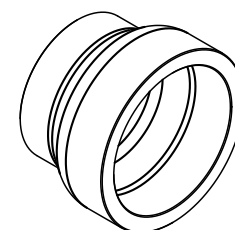
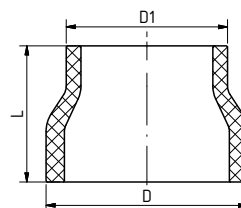
REDUCING SOCKET, BUTT WELDING

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-RCT

Standard: DIN 16962, DIN EN ISO 15874

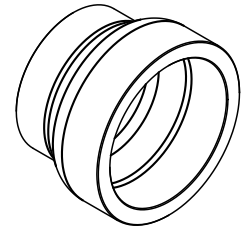
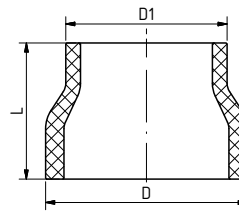
Colour: green



SDR	Art. no.	D [mm]	D1 [mm]	L [mm]	Weight [kg]	System	PU	Box unit	Price € pc
<i>double-sided butt welding</i>									
7.4	11184	200	160	135,0	1,638	•	1		
	11188	250	160	172,5	2,881	•	1		
	11190	250	200	172,5	3,250	•	1		
9	311184	200	160	135,0	1,588	•	1		
	311188	250	160	172,5	2,900	•	1		
	311190	250	200	172,5	3,206	•	1		
	311192	315	200	225,0	6,350	•	1		
	311194	315	250	225,0	7,050	•	1		
	311196	355	250	170,0	5,640	•	1		
11	311198	355	315	160,0	4,940	•	1		
	11185	200	160	135,0	1,206	• •	1		
	11189	250	160	172,5	2,313	• •	1		
	11191	250	200	172,5	2,389	• •	1		
	11193	315	200	225,0	4,389	• •	1		
	11195	315	250	225,0	4,690	• •	1		
	11197	355	250	170,0	4,510	• •	1		
	11199	355	315	160,0	4,635	• •	1		
	11201	400	250	152,0	5,160	• •	1		
	11203	400	315	122,0	4,550	• •	1		
	11204	400	355	110,0	4,620	• •	1		
	11206	450	315	142,0	6,500	• •	1		
11207	450	355	132,0	6,500	• •	1			
11208	450	400	122,0	6,000	• •	1			

REDUCING SOCKET, BUTT WELDING

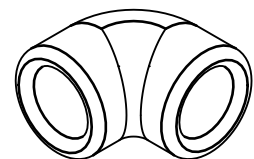
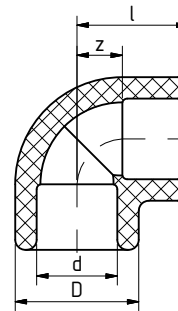
Systems: aquatherm blue pipe
Material: fusiolen® PP-RCT
Standard: DIN 16962, DIN EN ISO 15874
Colour: green



SDR	Art. no.	D [mm]	D1 [mm]	L [mm]	Weight [kg]	System	PU	Box unit	Price € pc
<i>double-sided butt welding</i>									
17.6	2511184	200	160	135,0	1,012	•	1		
	2511188	250	160	172,5	1,500	•	1		
	2511190	250	200	172,5	1,338	•	1		
	2511193	315	200	225,0	4,141	•	1		
	2511195	315	250	225,0	3,420	•	1		
	2511197	355	250	170,0	4,480	•	1		
	2511199	355	315	160,0	3,108	•	1		
	2511201	400	250	152,0	3,240	•	1		
	2511203	400	315	122,0	3,000	•	1		
	2511204	400	355	112,0	2,500	•	1		
	2511206	450	315	142,0	4,000	•	1		
	2511207	450	355	132,0	4,000	•	1		
	2511208	450	400	122,0	4,000	•	1		
	2511209	500	315	172,0	6,500	•	1		
	2511210	500	355	152,0	7,000	•	1		
	2511211	500	400	142,0	6,500	•	1		
	2511212	500	450	122,0	5,500	•	1		
	2511216	630	400	192,0	14,500	•	1		
2511217	630	450	172,0	12,500	•	1			
2511218	630	500	152,0	11,000	•	1			

ELBOW 90°

Systems: aquatherm green pipe, aquatherm blue pipe
Material: fusiolen® PP-R
Standard: DIN 16962, DIN EN ISO 15874
Colour: green



SDR	Art. no.	Dimension d [mm]	z [mm]	l [mm]	D [mm]	Weight [kg]	System	PU	Box unit	Price € pc
<i>socket welding</i>										
6 7.4 9 11 17.6	12106	16	9,0	22,0	24,5	0,010	•	10	2000	
	12108	20	11,0	25,5	27,0	0,013	•	10	1400	
	12110	25	13,5	29,5	34,0	0,023	•	10	800	
	12112	32	17,0	35,0	43,0	0,043	•	5	400	
	12114	40	21,0	41,5	52,0	0,077	•	5	250	
	12116	50	26,0	49,5	68,0	0,162	•	5	125	
	12118	63	32,5	60,0	84,0	0,293	•	1	70	
	12120	75	38,5	68,5	100,0	0,445	•	1	40	
	12122	90	46,0	79,0	120,0	0,729	•	1	25	
	12124	110	56,0	93,0	147,0	1,292	•	1		
	12126	125	76,5	116,5	167,0	2,004	•	1		

ELBOW 90° BUTT WELDING

Systems: aquatherm green pipe, aquatherm blue pipe

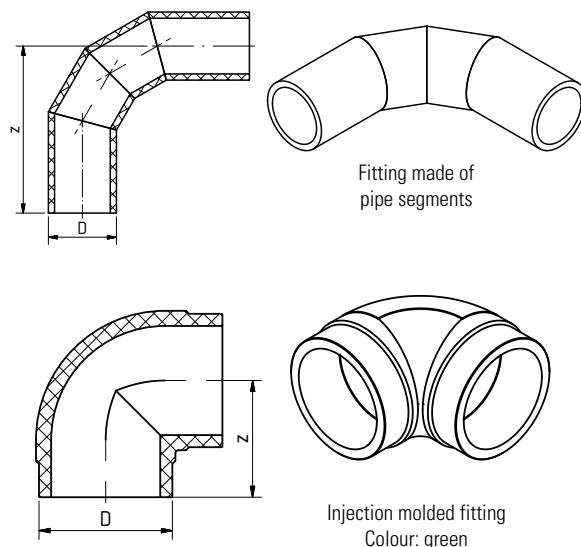
Material: fusiolen® PP-R & PP-RCT

Standard: DIN 16962, DIN EN ISO 15874

Notice: There is a gradual conversion of the XXL-fittings made of pipe segments to an injection molded design. The table shows which articles are already available in new design at the time of printing this catalogue. In the aquatherm technews we will inform you of further changes, but first the current stock of the elbows made of pipe segments has to be sold.

All fittings, which are converted to the injection molding production, are still available on inquiry as special fittings made of pipe segments. No article numbers are defined for special fittings of any type.

Please note! Electrofusion sockets can not be processed directly with injection molded fittings. When using electrofusion sockets either segment welded special fittings must be used or pipe pieces must be welded to the injection molded fittings.



SDR	Art. no.	D [mm]	z [mm]	Weight [kg]	System	pipe segments	injection molded (green)	PU	Box unit	Price € pc
<i>butt welding</i>										
7.4	12130	160	145,0	2,561	•		•	1		
	12134	200	450,0	11,685	•	•		1		
	12138	250	625,0	26,000	•	•		1		
9	312130	160	145,0	2,371	•		•	1		
	312134	200	209,0	4,320	•		•	1		
	312138	250	240,0	8,500	•		•	1		
	312142	315	773,0	42,300	•	•		1		
	312144	355	833,0	57,628	•	•		1		
11	12131	160	145,0	2,145	•	•	•	1		
	12135	200	209,0	4,653	•	•	•	1		
	12139	250	240,0	7,180	•	•	•	1		
	12143	315	773,0	37,850	•		•	1		
	12145	◆ 355	833,0	49,000	•		•	1		
	12147 ¹⁾	◆ 400	900,0	62,800	•		•	1		
	12149 ¹⁾	◆ 450	975,0	89,500	•		•	1		
11	2012143 ¹⁾	315	773,0	37,300		•	•	1		
	2012145 ¹⁾	355	833,0	57,074		•	•	1		
	2012147 ¹⁾	400	900,0	74,500		•	•	1		
	2012149 ¹⁾	450	975,0	89,080		•	•	1		
17.6	2512130	160	145,0	1,642		•	•	1		
	2512134	200	209,0	3,640		•	•	1		
	2512138	250	240,0	6,200		•	•	1		
	2512142 ¹⁾	315	773,0	24,000		•		1		
	2512144 ¹⁾	355	833,0	32,000		•	•	1		
	2512146 ¹⁾	400	900,0	42,549		•	•	1		
	2512148 ¹⁾	450	975,0	62,200		•	•	1		
	2512150 ¹⁾	◆ 500	1100,0	91,000		•	•	1		
	2512154 ¹⁾	◆ 630	1295,0	164,600		•	•	1		

¹⁾mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-RCT

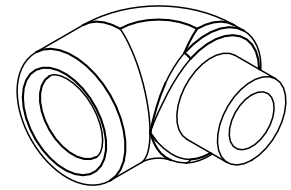
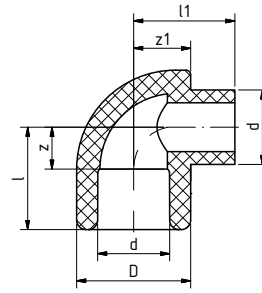
ELBOW 90° FEMALE/MALE

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art. no.	Dimension d [mm]	z [mm]	l [mm]	D [mm]	l1 [mm]	z1 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
<i>socket welding</i>												
6 7.4 9 11	12306	16	9,0	22,0	24,5	21,8	12,3	0,010	• •	10	2000	
	12308	20	11,0	25,5	27,0	25,5	13,5	0,032	• •	10	1200	
	12310	25	13,5	29,5	34,0	29,5	17,0	0,023	• •	10	800	
	12312	32	17,0	35,0	43,0	39,0	21,5	0,048	• •	5	400	
	12314	40	21,0	41,5	52,0	45,5	26,0	0,080	• •	5	300	

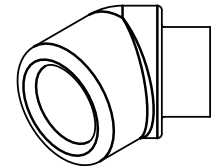
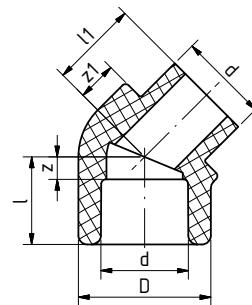
ELBOW 45° FEMALE/MALE

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art. no.	Dimension d [mm]	z [mm]	l [mm]	D [mm]	l1 [mm]	z1 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
<i>socket welding</i>												
6 7.4 9 11	12708	20	5,0	19,5	29,5	19,5	9,0	0,013	• •	10	1500	
	12710	25	6,0	22,0	34,0	22,0	8,5	0,017	• •	10	1000	
	12712	32	7,5	25,5	43,0	29,0	11,5	0,036	• •	5	500	
	12714	40	9,5	30,0	52,0	33,0	13,5	0,057	• •	5	300	

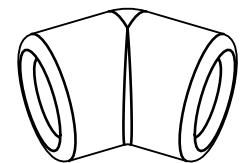
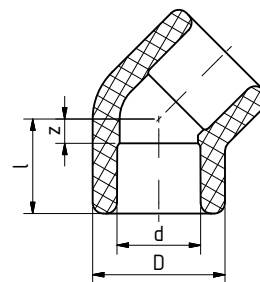
ELBOW 45° SOCKET WELDING

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art. no.	Dimension d [mm]	z [mm]	l [mm]	D [mm]	Weight [kg]	System	PU	Box unit	Price € pc
<i>socket welding</i>										
6 7.4 9 11 17.6	12506	16	4,5	17,5	24,5	0,009	• •	10	2000	
	12508	20	5,0	19,5	29,5	0,014	• •	10	1500	
	12510	25	6,0	22,0	34,0	0,018	• •	10	1000	
	12512	32	7,5	25,5	43,0	0,035	• •	5	500	
	12514	40	9,5	30,0	52,0	0,053	• •	5	300	
	12516	50	11,5	35,0	68,0	0,112	• •	5	150	
	12518	63	14,0	41,5	84,0	0,227	• •	1	75	
	12520	75	16,5	46,5	100,0	0,350	• •	1	60	
	12522	90	19,5	52,5	120,0	0,568	• •	1	30	
	12524	110	23,5	60,5	147,0	1,025	• •	1	20	
	12526	125	27,0	67,0	167,0	1,329	• •	1		

ELBOW 45° BUTT WELDING

Systems: aquatherm green pipe, aquatherm blue pipe

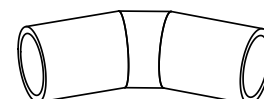
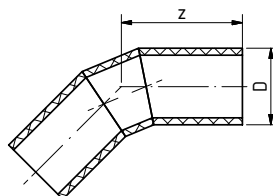
Material: fusiolen® PP-RCT

Standard: DIN 16962, DIN EN ISO 15874

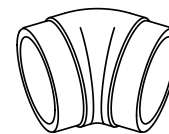
Notice:

There is a gradual conversion of the XXL-fittings made of pipe segments to an injection molded design. The table shows which articles are already available in new design at the time of printing this catalogue. In the aquatherm technews we will inform you of further changes, but first the current stock of the elbows made of pipe segments has to be sold. All fittings, which are converted to the injection molding production, are still available on inquiry as special fittings made of pipe segments. No article numbers are defined for special fittings of any type.

Please note! Electrofusion sockets can not be processed directly with injection molded fittings. When using electrofusion sockets either segment welded special fittings must be used or pipe pieces must be welded to the injection molded fittings.



Fitting made of pipe segments



Injection molded fitting
Colour: green

SDR	Art. no.	D [mm]	z [mm]	Weight [kg]	System	pipe segments	injection molded	PU	Box unit	Price € pc
<i>butt welding</i>										
7.4	12530	160	95,0	1,903	•		•	1		
	12534	200	274,0	8,175	•		•	1		
	12538	250	412,0	20,500	•		•	1		
9	312530	160	95,0	4,230	•		•	1		
	312534	200	146,0	7,500	•		•	1		
	312538	250	182,0	17,000	•		•	1		
	312542	315	498,0	30,567	•	•		1		
	312544	355	520,0	40,771	•	•		1		
11	12531	160	95,0	1,393	•	•	•	1		
	12535	200	146,0	3,408	•	•	•	1		
	12539	250	182,0	13,500	•	•	•	1		
	12543	315	498,0	27,300	•	•	•	1		
	12545	355	520,0	26,650	•	•	•	1		
	12547 ¹⁾	400	548,8	44,900	•	•	•	1		
	12549 ¹⁾	450	580,0	60,500	•	•	•	1		
11	2012543 ¹⁾	315	498,0	27,100		•	•	1		
	2012545 ¹⁾	355	520,0	38,158		•	•	1		
	2012547 ¹⁾	400	548,0	44,712		•	•	1		
	2012549 ¹⁾	450	580,0	60,260		•	•	1		
17.6	2512530	160	95,0	1,080		•	•	1		
	2512534	200	146,0	1,990		•	•	1		
	2512538	250	182,0	3,875		•	•	1		
	2512542 ¹⁾	315	498,0	18,000		•	•	1		
	2512544 ¹⁾	355	520,0	22,058		•	•	1		
	2512546 ¹⁾	400	548,0	30,800		•	•	1		
	2512548 ¹⁾	450	580,0	39,123		•	•	1		
	2512550 ¹⁾	500	665,0	55,112		•	•	1		
2512554 ¹⁾	630	741,0	97,148		•	•	1			

¹⁾mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-RCT

T-PIECE SOCKET WELDING

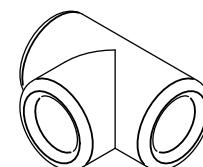
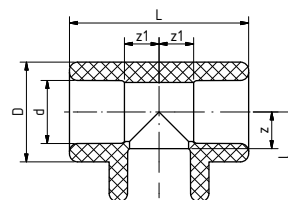
Systems: aquatherm green pipe, aquatherm blue pipe

Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green

Form: injection moulded fittings



SDR	Art. no.	Dimension d [mm]	z [mm]	z1 [mm]	l [mm]	L [mm]	D [mm]	Weight [kg]	System	PU	Box unit	Price € pc
<i>socket welding</i>												
6	13106	16	9,0	9,0	22,0	44,0	24,5	0,015	•	10	1500	
	13108	20	11,0	11,0	25,5	51,0	27,0	0,017	•	10	1000	
	13110	25	14,5	15,0	30,5	62,0	34,0	0,033	•	10	500	
7.4	13112	32	15,5	17,0	33,5	70,0	43,0	0,054	•	5	300	
	13114	40	20,0	20,0	40,5	81,0	52,0	0,099	•	5	175	
9	13116	50	26,0	26,0	49,5	99,0	68,0	0,177	•	5	100	
11	13118	63	32,5	32,5	60,0	120,0	84,0	0,368	•	1	50	
17.6	13120	75	38,5	38,5	68,5	137,0	100,0	0,541	•	1	30	
	13122	90	46,0	46,0	79,0	158,0	120,0	0,920	•	1	25	
	13124	110	56,0	56,0	93,0	186,0	147,0	1,598	•	1	14	
	13126	125	76,5	76,5	116,5	233,0	167,0	2,673	•	1		

T-PIECE BUTT WELDING

Systems: aquatherm green pipe,
aquatherm blue pipe

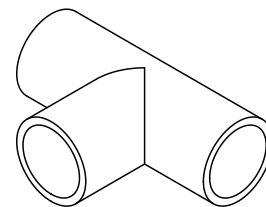
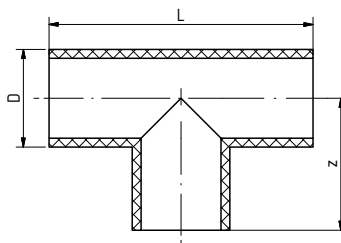
Material: fusiolen® PP-RCT

Standard: DIN 16962, DIN EN ISO 15874

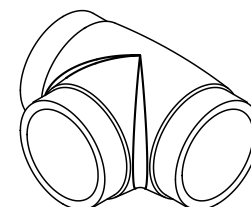
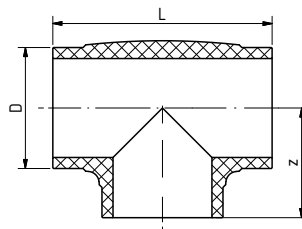
Notice: There is a gradual conversion of the XXL-fittings made of pipe segments to an injection molded design. The table shows which articles are already available in new design at the time of printing this catalogue. In the aquatherm technews we will inform you of further changes, but first the current stock of the t-pieces made of pipe segments has to be sold.

All fittings, which are converted to the injection molding production, are still available on inquiry as special fittings made of pipe segments. No article numbers are defined for special fittings of any type.

Please note! Electrofusion sockets can not be processed directly with injection molded fittings. When using electrofusion sockets either segment welded special fittings must be used or pipe pieces must be welded to the injection molded fittings.



Fitting made of pipe segments



Injection molded fitting
Colour: green

SDR	Art. no.	D [mm]	L [mm]	z [mm]	Weight [kg]	System	pipe segments	injection molded (green)	PU	Box unit	Price € pc
<i>butt welding</i>											
7.4	13130	160	290,0	145,0	3,600	•		•		1	
	13134	200	500,0	250,0	9,825	•	•			1	
	13138	250	750,0	375,0	24,000	•	•			1	
9	313130	160	290,0	145,0	3,290	•		•		1	
	313134	200	410,0	205,0	7,000	•		•		1	
	313138	250	486,0	243,0	12,500	•		•		1	
	313142	315	920,0	460,0	42,609	•	•			1	
	313144	355	960,0	480,0	56,452	•	•			1	
11	13131	160	290,0	145,0	3,005	•	•	•		1	
	13135	200	410,0	205,0	6,255	•	•	•		1	
	13139	250	486,0	243,0	10,710	•	•	•		1	
	13143	315	920,0	460,0	20,450	•	•			1	
	13145	355	960,0	480,0	45,072	•	•			1	
	13147 ¹⁾	400	1000,0	500,0	63,100	•	•			1	
	13149 ¹⁾	450	1050,0	525,0	83,300	•	•			1	
11	2013143	315	920,0	460,0	36,74		•	•		1	
	2013145	355	960,0	480,0	40,000		•	•		1	
	2013147	400	1000,0	500,0	62,100		•	•		1	
	2013149	450	1050,0	525,0	82,792		•	•		1	
17.6	2513142 ¹⁾	315	920,0	460,0	19,800		•	•		1	
	2513144 ¹⁾	355	960,0	480,0	27,500		•	•		1	
	2513146 ¹⁾	400	1000,0	500,0	40,395		•	•		1	
	2513148 ¹⁾	450	1050,0	525,0	45,400		•	•		1	
	2513150 ¹⁾	500	1200,0	600,0	75,726		•	•		1	
	2513154 ¹⁾	630	1330,0	665,0	122,500		•	•		1	

¹⁾ mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-RP

aquatherm blue pipe Y-PIECES

Special fittings on demand

ATTENTION – PLEASE NOTE!

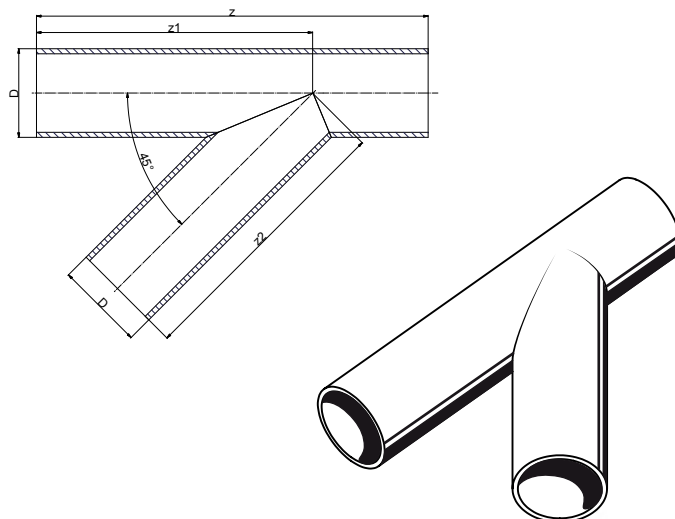
These branches are for special applications in the **unpressurized** areas, e.g. in vacuum dewatering in the ship building. **In no case** they may be exposed to the pressures, given in the working pressure tables on page 167 – 169.

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-RCT

Standard: DIN16962-2

Color: blue



SDR	Art. no.	Dimension D [mm]	z [mm]	z1 [mm]	z2 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
<i>Socket welding</i>										
11	2013018	63	560,0	380,0	380,0	0,843	• •	1		
	2013020 ◆	75	570,0	405,0	405,0	1,210	• •	1		
	2013022 ◆	90	577,0	412,0	412,0	1,750	• •	1		
	2013024	110	610,0	435,0	435,0	2,730	• •	1		
	2013026	125	665,0	475,0	475,0	3,840	• •	1		
	<i>Butt welding</i>									
	2013031	160	782,0	551,0	551,0	7,300	• •	1		
	2013035	200	925,0	650,0	650,0	13,360	• •	1		
	2013039 ◆	250	1105,0	780,0	780,0	24,780	• •	1		
<i>Socket welding</i>										
	2513026 ◆	125	665,0	475,0	475,0	2,470	•	1		
<i>Butt welding</i>										
17.6	2513030	160	782,0	551,0	551,0	4,700	•	1		
	2513034 ◆	200	925,0	650,0	650,0	8,640	•	1		
	2513038 ◆	250	1105,0	780,0	780,0	16,010	•	1		

Mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-RCT

RED.-T-PIECE, SOCKET WELDING

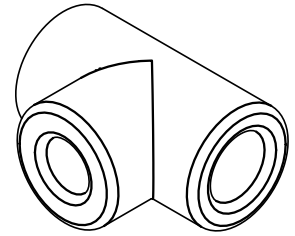
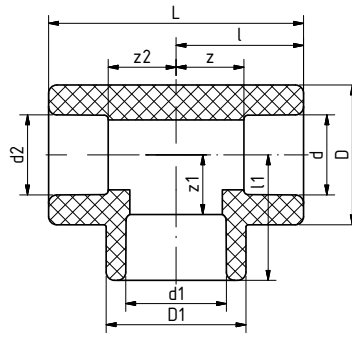
Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green

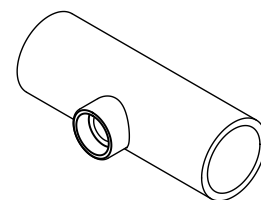
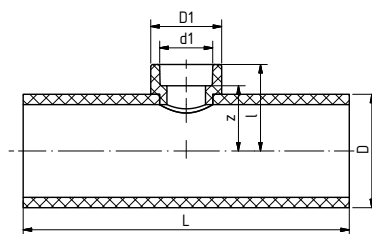
Form: injection moulded fittings



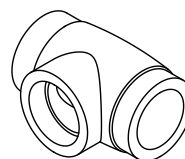
SDR	Art. no.	d [mm]	d1 [mm]	d2 [mm]	L [mm]	l [mm]	l1 [mm]	z [mm]	z1 [mm]	z2 [mm]	D [mm]	D1 [mm]	Weight [kg]	System	PU	Box unit	Price € pc	
<i>socket welding</i>																		
	13506	20	16	16	51,0	25,5	25,3	11,0	12,3	12,5	29,5	29,5	0,025	•	10			
	13508	20	16	20	51,0	25,5	25,3	11,0	12,3	11,0	29,5	29,5	0,024	•	10			
	13510	20	20	16	51,0	25,5	25,3	11,0	10,8	12,5	29,5	29,5	0,023	•	10			
	13511	20	25	20	62,0	31,0	30,5	16,5	14,5	16,5	34,0	34,0	0,040	• •	10			
	13512	25	16	16	62,0	31,0	30,5	15,0	17,5	18,0	34,0	34,0	0,043	•	10			
	13514	25	16	20	62,0	31,0	30,5	15,0	17,5	16,5	34,0	34,0	0,041	•	10			
	13516	25	16	25	62,0	31,0	30,5	15,0	17,5	15,0	34,0	34,0	0,038	•	10			
	13520	25	20	20	62,0	31,0	30,5	15,0	16,0	16,5	34,0	34,0	0,039	• •	10	500		
	13522	25	20	25	62,0	31,0	30,5	15,0	16,0	15,0	34,0	34,0	0,036	• •	10	500		
	13528	32	16	32	70,0	35,0	31,0	17,0	18,0	17,0	43,0	29,5	0,053	• •	5	300		
	13532	32	20	20	73,5	36,8	37,0	18,8	22,5	22,3	43,0	43,0	0,076	• •	5	300		
	13534	32	20	32	70,0	35,0	31,0	17,0	16,5	17,0	43,0	29,5	0,053	• •	5	300		
	13538	32	25	25	70,0	35,0	34,5	17,0	18,5	19,0	43,0	43,0	0,069	• •	5			
	13540	32	25	32	70,0	35,0	32,0	17,0	16,0	17,0	43,0	34,0	0,050	• •	5	300		
	13542	40	20	40	83,0	41,5	36,0	21,0	21,5	21,0	52,0	34,0	0,091	• •	5	200		
	13544	40	25	40	83,0	41,5	36,0	21,0	20,0	21,0	52,0	34,0	0,089	• •	5	200		
	13546	40	32	40	84,0	42,0	40,5	21,5	22,5	21,5	52,0	52,0	0,092	• •	5	200		
	13547	50	20	50	99,0	49,5	40,5	26,0	26,0	26,0	68,0	29,5	0,162	• •	5	100		
	13548	50	25	50	99,0	49,5	44,5	26,0	28,5	26,0	68,0	34,0	0,158	• •	5	100		
6	13550	50	32	50	99,0	49,5	44,5	26,0	26,5	26,0	68,0	43,0	0,160	• •	5	100		
7.4	13551	50	40	50	99,0	49,5	49,5	26,0	29,0	26,0	68,0	68,0	0,161	• •	5	100		
9	13552	63	20	63	120,0	60,0	48,5	32,5	34,0	32,5	84,0	34,0	0,335	• •	1	50		
11	13554	63	25	63	120,0	60,0	48,5	32,5	32,5	32,5	84,0	34,0	0,331	• •	1	50		
17.6	13556	63	32	63	120,0	60,0	53,0	32,5	35,5	32,5	84,0	52,0	0,340	• •	1	50		
	13558	63	40	63	120,0	60,0	53,0	32,5	33,0	32,5	84,0	52,0	0,332	• •	1	50		
	13560	63	50	63	120,0	60,0	56,0	32,5	36,5	32,5	84,0	68,0	0,398	• •	1			
	13561	75	20	75	137,0	68,5	54,5	38,5	40,0	38,5	100,0	34,0	0,501	• •	1			
	13562	75	25	75	137,0	68,5	54,5	38,5	38,5	38,5	100,0	34,0	0,497	• •	1			
	13564	75	32	75	137,0	68,5	59,0	38,5	41,0	38,5	100,0	52,0	0,505	• •	1			
	13566	75	40	75	137,0	68,5	59,0	38,5	38,5	38,5	100,0	52,0	0,497	• •	1			
	13568	75	50	75	137,0	68,5	66,0	38,5	42,5	38,5	100,0	84,0	0,550	• •	1			
	13570	75	63	75	137,0	68,5	66,0	38,5	38,5	38,5	100,0	84,0	0,515	• •	1			
	13576	90	32	90	158,0	79,0	64,0	46,0	46,0	46,0	120,0	43,0	0,880	• •	1			
	13578	90	40	90	158,0	79,0	66,5	46,0	46,0	46,0	120,0	52,0	0,862	• •	1			
	13580	90	50	90	158,0	79,0	69,5	46,0	46,0	46,0	120,0	68,0	0,905	• •	1			
	13582	90	63	90	158,0	79,0	73,5	46,0	46,0	46,0	120,0	84,0	0,876	• •	1			
	13584	90	75	90	158,0	79,0	76,0	46,0	46,0	46,0	120,0	100	0,991	• •	1			
	13586	110	63	110	186,0	93,0	83,5	56,0	56,0	56,0	147,0	84,0	1,534	• •	1			
	13588	110	75	110	186,0	93,0	86,0	56,0	56,0	56,0	147,0	100,0	1,517	• •	1			
	13590	110	90	110	186,0	93,0	89,0	56,0	56,0	56,0	147,0	120,0	1,548	• •	1			
	13592	125	75	125	233,0	116,5	106,5	76,5	76,5	76,5	167,0	100,0	2,427	• •	1			
	13594	125	90	125	233,0	116,5	109,5	76,5	76,5	76,5	167,0	120,0	2,509	• •	1			
	13596	125	110	125	233,0	116,5	113,5	76,5	76,5	76,5	167,0	147,0	2,563	• •	1			

RED.-T-PIECE, SOCKET- & BUTT WELDING

Systems: aquatherm green pipe, aquatherm blue pipe
Material: fusiolen® PP-R / PP-RCT
Standard: DIN 16962, DIN EN ISO 15874
Colour: green



Fitting made of pipe segments



Injection molded fitting

Note: There is a gradual conversion of the XXL-fittings made of pipe segments to an injection molded design. The table shows which articles are already available in new design at the time of printing this catalogue. In the aquatherm technews we will inform you of further changes, but first the current stock of the red.-t-pieces made of pipe segments has to be sold.

All fittings, which are converted to the injection molding production, are still available on inquiry as special fittings made of pipe segments. No article numbers are defined for special fittings of any type.

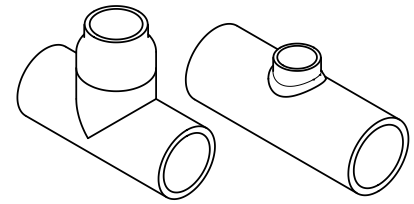
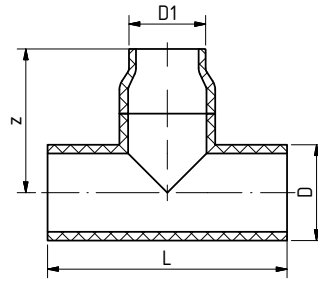
Please note! Electrofusion sockets can not be processed directly with injection molded fittings. When using electrofusion sockets either segment welded special fittings must be used or pipe pieces must be welded to the injection molded fittings.

SDR	Art. no.	D [mm]	d1 [mm]	D1 [mm]	L [mm]	l [mm]	z [mm]	Weight [kg]	System	pipe segments	injection molded*	PU	Box unit	Price € pc
<i>branch: socket welding</i>														
7.4	13600	160	75	100,0	460,0	122,0	92,0	4,414	•	•		1		
	13602	160	90	120,0	460,0	125,0	92,0	4,515	•	•		1		
	13606	160	125	167,0	290,0	120,0	80,0	3,441	•		•	1		
	13608	200	75	100,0	500,0	142,0	112,0	7,110	•	•		1		
	13610	200	90	120,0	500,0	145,0	112,0	7,540	•	•		1		
	13612	200	110	147,0	500,0	149,0	112,0	7,325	•	•		1		
	13614	200	125	167,0	500,0	155,0	115,0	7,645	•	•		1		
	13624	250	75	100,0	750,0	167,0	137,0	16,600	•	•		1		
	13626	250	90	120,0	750,0	170,0	137,0	16,800	•	•		1		
	13628	250	110	147,0	750,0	174,0	137,0	16,800	•	•		1		
13630	250	125	167,0	750,0	180,0	140,0	17,000	•	•		1			
9	313600	160	75	100,0	460,0	122,0	92,0	3,903	•	•		1		
	313602	160	90	120,0	460,0	125,0	92,0	4,039	•	•		1		
	313608	200	75	100,0	500,0	142,0	112,0	6,476	•	•		1		
	313610	200	90	120,0	500,0	145,0	112,0	6,581	•	•		1		
	313612	200	110	147,0	500,0	149,0	112,0	6,863	•	•		1		
	313614	200	125	167,0	500,0	155,0	115,0	7,114	•	•		1		
	313624	250	75	100,0	750,0	167,0	137,0	14,802	•	•		1		
	313626	250	90	120,0	750,0	170,0	137,0	14,932	•	•		1		
	313628	250	110	147,0	750,0	174,0	137,0	15,178	•	•		1		
	313630	250	125	167,0	750,0	180,0	140,0	15,398	•	•		1		
313904 ¹⁾	315	125	167,0	920,0	212,5	172,5	29,196	•	•		1			
313916 ¹⁾	355	125	167,0	960,0	232,5	192,5	38,466	•	•		1			
11	13601	160	75	100,0	460,0	122,0	92,0	3,140	•	•		1		
	13603	160	90	120,0	460,0	125,0	92,0	3,176	•	•		1		
	13607	160	125	167,0	290,0	120,0	80,0	2,842	•		•	1		
	13609	200	75	100,0	500,0	142,0	112,0	5,284	•	•		1		
	13611	200	90	120,0	500,0	145,0	112,0	5,168	•	•		1		
	13613	200	110	147,0	500,0	149,0	112,0	5,648	•	•		1		
	13615	200	125	167,0	500,0	155,0	115,0	5,786	•	•		1		
	13625	250	75	100,0	750,0	167,0	137,0	12,000	•	•		1		
	13627	250	90	120,0	750,0	170,0	137,0	12,000	•	•		1		
	13629	250	110	147,0	750,0	174,0	137,0	13,000	•	•		1		
	13631	250	125	167,0	750,0	180,0	140,0	12,000	•	•		1		
	13651 ¹⁾	315	125	167,0	920,0	213,0	173,0	25,150	•	•		1		
	13663 ^{1)◆}	355	125	167,0	960,0	233,0	193,0	30,851	•	•		1		
	13676 ^{1)◆}	355	125	167,0	1000,0	255,0	215,0	42,169	•	•		1		
13690 ^{1)◆}	450	125	167,0	1050,0	280,0	240,0	55,794	•	•		1			

¹⁾ mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-R

RED.-T-PIECE, BUTT WELDING

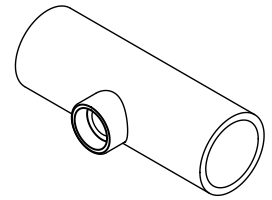
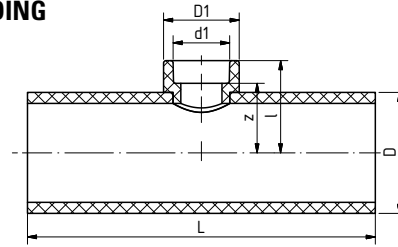
Systems: aquatherm green pipe
Material: fusiolen® PP-RCT
Standard: DIN 16962, DIN EN ISO 15874
Branch: butt welding



SDR	Art. no.	D [mm]	D1 [mm]	L [mm]	z [mm]	Weight [kg]	System	Pipe with reducer	Pipe with weld-in saddle	PU	Box unit	Price € pc
<i>branch: butt welding</i>												
7.4	13618	200	160	500,0	300,0	10,891	•	•		1		
	13634	250	160	750,0	375,0	28,000	•	•		1		
	13640	250	200	750,0	375,0	27,000	•	•		1		
9	313618	200	160	500,0	300,0	9,332	•	•		1		
	313634	250	160	750,0	375,0	21,547	•	•		1		
	313640	250	200	750,0	376,0	21,853	•	•		1		
	313906	315	160	920,0	238,0	29,237	•		•	1		
	313908	315	200	920,0	460,0	42,166	•	•		1		
	313910	315	250	920,0	460,0	42,557	•	•		1		
	313918	355	160	960,0	258,0	38,479	•		•	1		
	313920	355	200	960,0	268,0	39,237	•		•	1		
	313922	355	250	960,0	480,0	52,683	•	•		1		
313924	355	315	960,0	480,0	55,511	•	•		1			
11	13619	200	160	500,0	300,0	7,445	•	•		1		
	13635	250	160	750,0	375,0	19,500	•	•		1		
	13641	250	200	750,0	375,0	18,500	•	•		1		
	13653	315	160	920,0	237,5	24,850	•		•	1		
	13655	315	200	920,0	460,0	29,400	•	•		1		
	13657	315	250	920,0	460,0	30,500	•	•		1		
	13665 ◆	355	160	960,0	257,5	30,893	•		•	1		
	13667 ◆	355	200	960,0	267,5	31,651	•		•	1		
	13669	355	250	960,0	480,0	39,220	•	•		1		
	13671	355	315	960,0	480,0	44,721	•	•		1		
	13678 ◆	355	160	1000,0	354,0	44,111	•		•	1		
	13680 ◆	355	200	1000,0	318,0	44,111	•		•	1		
	13682 ◆	400	250	1000,0	280,0	44,111	•		•	1		
	13684	400	315	1000,0	500,0	47,500	•	•		1		
	13685	400	355	1000,0	500,0	54,361	•	•		1		
	13692 ◆	450	160	1050,0	379,0	57,962	•		•	1		
	13694 ◆	450	200	1050,0	343,0	57,962	•		•	1		
	13696 ◆	450	250	1050,0	305,0	57,962	•		•	1		
	13698 ◆	450	315	1050,0	315,0	58,818	•		•	1		
13699	450	355	1050,0	525,0	78,330	•	•		1			
13700	450	400	1050,0	525,0	78,330	•	•		1			

aquatherm blue pipe RED.-T-PIECE, SOCKET- & BUTT WELDING

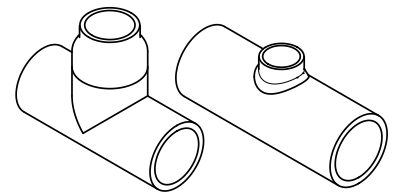
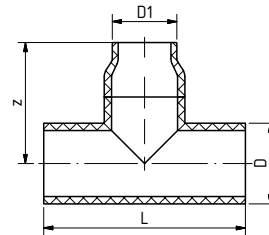
Systems: aquatherm blue pipe
Material: fusiolen® PP-R / PP-RCT
Standard: DIN 16962, DIN EN ISO 15874
Colour: blue/green
Branch: socket welding
Form: pipes with weld-in saddle



SDR	Art. no.	D [mm]	d1 [mm]	D1 [mm]	L [mm]	l [mm]	z [mm]	Weight [kg]	System	PU	Box unit	Price € pc
<i>branch: socket welding</i>												
	2013609	200	75	100,0	500,0	142,0	112,0	5,460	•	1		
	2013611	200	90	120,0	500,0	145,0	112,0	5,580	•	1		
	2013613	200	110	147,0	500,0	149,0	112,0	5,810	•	1		
	2013615	200	125	167,0	500,0	155,0	115,0	6,100	•	1		
	2013625	250	75	100,0	750,0	167,0	137,0	12,440	•	1		
11	2013627	250	90	120,0	750,0	170,0	137,0	12,420	•	1		
	2013629	250	110	147,0	750,0	174,0	137,0	12,760	•	1		
	2013631	250	125	167,0	750,0	180,0	140,0	13,030	•	1		
	2013651	315	125	167,0	920,0	213,0	173,0	25,000	•	1		
	2013663	355	125	167,0	960,0	233,0	193,0	32,500	•	1		
	2013676	400	125	167,0	1000,0	255,0	215,0	42,100	•	1		
	2013690	450	125	167,0	1050,0	280,0	240,0	55,700	•	1		

aquatherm blue pipe RED.-T-PIECE, BUTT WELDING

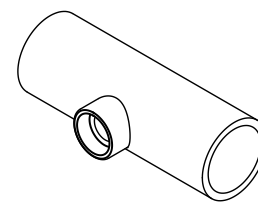
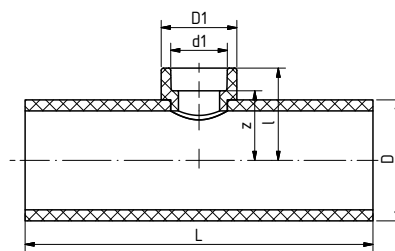
Systems: aquatherm blue pipe
Material: fusiolen® PP-RCT
Standard: DIN 16962, DIN EN ISO 15874
Colour: blue/green
Branch: butt welding



SDR	Art. no.	D [mm]	D1 [mm]	L [mm]	z [mm]	Weight [kg]	System	Pipe with reducer	Pipe with weld-in saddle	PU	Box unit	Price € pc
<i>branch: butt welding</i>												
	2013619	200	160	500,0	300,0	7,650	•	•		1		
	2013635	250	160	750,0	375,0	19,030	•	•		1		
	2013641	250	200	750,0	375,0	21,100	•	•		1		
	2013653	315	160	920,0	237,5	25,000	•		•	1		
	2013655	315	200	920,0	460,0	33,200	•	•		1		
	2013657	315	250	920,0	460,0	31,500	•	•		1		
	2013665	355	160	960,0	257,5	32,500	•		•	1		
	2013667	355	200	960,0	267,5	30,200	•		•	1		
	2013669	355	250	960,0	480,0	40,000	•	•		1		
	2013671	355	315	960,0	480,0	40,000	•	•		1		
11	2013678	400	160	1000,0	354,0	44,100	•		•	1		
	2013680	400	200	1000,0	318,0	44,100	•		•	1		
	2013682	400	250	1000,0	280,0	46,000	•		•	1		
	2013684	400	315	1000,0	500,0	57,790	•	•		1		
	2013685	400	355	1000,0	500,0	52,715	•	•		1		
	2013692	450	160	1050,0	379,0	57,900	•		•	1		
	2013694	450	200	1050,0	343,0	57,900	•		•	1		
	2013696	450	250	1050,0	305,0	57,900	•		•	1		
	2013698	450	315	1050,0	315,0	58,400	•		•	1		
	2013699	450	355	1050,0	525,0	62,491	•	•		1		
	2013700	450	400	1050,0	525,0	62,683	•	•		1		

aquatherm blue pipe RED.-T-PIECE SOCKET- & BUTT WELDING

Systems: aquatherm blue pipe
Material: fusiolen® PP-R / PP-RCT
Standard: DIN 16962, DIN EN ISO 15874
Colour: blue/green
Branch: socket welding
Form: pipes with weld-in saddle

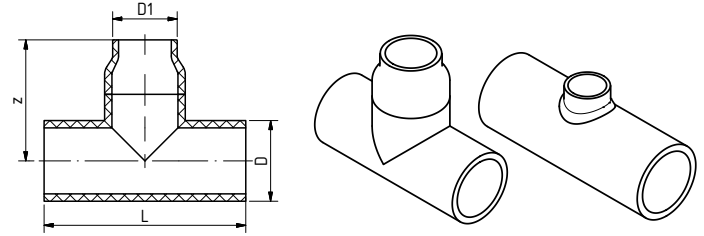


SDR	Art. no.	D [mm]	d1 [mm]	D1 [mm]	L [mm]	l [mm]	z [mm]	Weight [kg]	System	pipe segments	injection molded*	PU	Box unit	Price € pc
<i>branch: socket welding</i>														
	2513600	160	75	100,0	460,0	122,0	92,0	2,227	•	•		1		
	2513602	160	90	120,0	460,0	125,0	92,0	2,364	•	•		1		
	2513606	160	125	167,0	290,0	120,0	80,0	2,309			•	1		
	2513608	200	75	100,0	500,0	142,0	112,0	3,620	•	•		1		
	2513610	200	90	120,0	500,0	145,0	112,0	3,742	•	•		1		
	2513612	200	110	147,0	500,0	149,0	112,0	3,976	•	•		1		
	2513614	200	125	167,0	500,0	155,0	115,0	4,269	•	•		1		
	2513624	250	75	100,0	750,0	167,0	137,0	8,149	•	•		1		
17.6	2513626	250	90	120,0	750,0	170,0	137,0	8,274	•	•		1		
	2513628	250	110	147,0	750,0	174,0	137,0	8,504	•	•		1		
	2513630	250	125	167,0	750,0	180,0	140,0	9,000	•	•		1		
	2513651	315	125	167,0	920,0	213,0	173,0	17,570	•	•		1		
	2513663	355	125	167,0	960,0	233,0	193,0	21,500	•	•		1		
	2513676	400	125	167,0	1000,0	255,0	215,0	27,690	•	•		1		
	2513690	450	125	167,0	1050,0	280,0	240,0	36,470	•	•		1		
	2513804	500	125	167,0	1200,0	305,0	265,0	51,250	•	•		1		
	2513839	630	125	167,0	1330,0	370,0	330,0	89,170	•	•		1		

* status quo at the time of printing, further injection molded parts follow

aquatherm blue pipe RED.-T-PIECE, BUTT WELDING

Systems: aquatherm blue pipe
Material: fusiolen® PP-RCT
Standard: DIN 16962, DIN EN ISO 15874
Colour: blue/green
Branch: butt welding



SDR	Art. no.	D [mm]	D1 [mm]	L [mm]	z [mm]	Weight [kg]	System	Pipe with reducer	Pipe with weld-in saddle	PU	Box unit	Price € pc
<i>butt welding</i>												
	2513618	200	160	500,0	300,0	5,000	•	•			1	
	2513634	250	160	750,0	375,0	11,600	•	•			1	
	2513640	250	200	750,0	375,0	11,500	•	•			1	
	2513653	315	160	920,0	237,5	16,500	•		•		1	
	2513655	315	200	920,0	460,0	23,600	•	•			1	
	2513657	315	250	920,0	460,0	22,600	•	•			1	
	2513665	355	160	960,0	257,5	21,500	•		•		1	
	2513667	355	200	960,0	267,5	21,900	•		•		1	
	2513669	355	250	960,0	480,0	28,300	•	•			1	
	2513671	355	315	960,0	480,0	30,500	•	•			1	
	2513678	400	160	1000,0	354,0	29,700	•		•		1	
	2513680	400	200	1000,0	318,0	29,700	•		•		1	
	2513682	400	250	1000,0	280,0	29,000	•		•		1	
	2513684	400	315	1000,0	500,0	30,667	•	•			1	
	2513685	400	355	1000,0	500,0	30,748	•	•			1	
	2513692	450	160	1050,0	379,0	37,000	•		•		1	
	2513694	450	200	1050,0	343,0	37,000	•		•		1	
17.6	2513696	450	250	1050,0	305,0	37,000	•		•		1	
	2513698	450	315	1050,0	315,0	37,000	•		•		1	
	2513699	450	355	1050,0	525,0	50,500	•	•			1	
	2513700	450	400	1050,0	525,0	50,100	•	•			1	
	2513806	500	160	1200,0	404,0	53,400	•		•		1	
	2513808	500	200	1200,0	368,0	53,500	•		•		1	
	2513810	500	250	1200,0	330,0	53,500	•		•		1	
	2513812	500	315	1200,0	340,0	54,000	•		•		1	
	2513813	500	355	1200,0	600,0	57,039	•	•			1	
	2513814	500	400	1200,0	600,0	57,245	•	•			1	
	2513815	500	450	1200,0	600,0	57,365	•	•			1	
	2513841	630	160	1330,0	474,0	91,530	•		•		1	
	2513843	630	200	1330,0	438,0	91,500	•		•		1	
	2513845	630	250	1330,0	400,0	91,500	•		•		1	
	2513847	630	315	1330,0	405,0	92,350	•		•		1	
	2513849	630	400	1330,0	665,0	97,299	•	•			1	
	2513850	630	450	1330,0	665,0	97,703	•	•			1	
	2513851	630	500	1330,0	665,0	98,032	•	•			1	

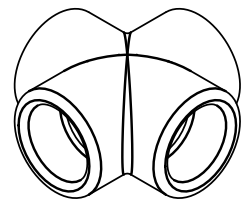
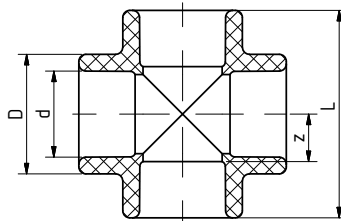
CROSS

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art. no.	Dimension d [mm]	D [mm]	L [mm]	z [mm]	Weight [kg]	System	PU	Box unit	Price € pc
<i>socket welding</i>										
6	13708	20	29,5	51,5	11,3	0,025	• •	10		
7.4	13710	25	34,0	59,0	13,5	0,035	• •	10		
9	13712	32	43,0	70,0	17,0	0,062	• •	5		
11	13714	40	52,0	83,0	21,0	0,099	• •	5		

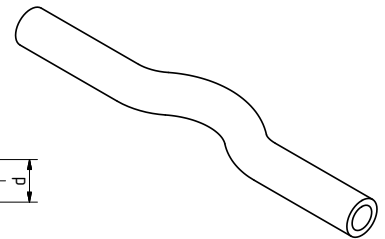
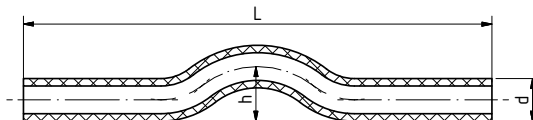
CROSS OVER FITTING

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art. no.	Dimension d [mm]	h [mm]	L [mm]	Weight [kg]	System	PU	Box unit	Price € pc
<i>socket welding</i>									
6	16106	16	25,0	352,0	0,038	•	10		
7.4	16108	20	32,0	352,0	0,060	• •	10		
9	16110	25	37,5	352,0	0,091	• •	10		
11	16112	32	48,0	352,0	0,154	• •	5		

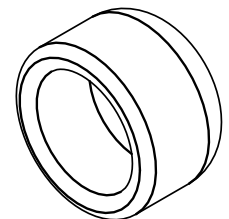
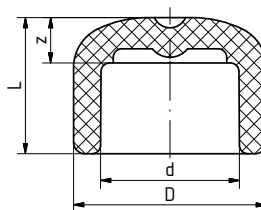
END CAP

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art. no.	Dimension d [mm]	D [mm]	z [mm]	L [mm]	Weight [kg]	System	PU	Box unit	Price € pc
<i>socket welding</i>										
6 7.4 9 11	14106	16	26,0	13,5	26,5	0,008	•	10	2000	
	14108	20	29,5	9,5	24,0	0,009	• •	10	2000	
	14110	25	34,0	8,0	24,0	0,011	• •	10	1500	
	14112	32	43,0	11,0	29,0	0,023	• •	5	1000	
	14114	40	52,0	17,5	38,0	0,042	• •	5	500	
	14116	50	68,0	21,0	44,5	0,082	• •	5	300	
	14118	63	84,0	24,5	52,0	0,146	• •	1	150	
	14120	75	100,0	28,5	58,5	0,243	• •	1	90	
	14122	90	120,0	34,5	67,5	0,365	• •	1	60	
	14124	110	147,0	28,0	65,0	0,635	• •	1	40	
	14126	125	167,0	42,0	82,0	0,872	• •	1		

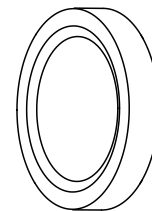
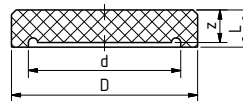
END CAP BUTT-WELDING

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-RCT

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art. no.	Dimension D [mm]	L [mm]	z [mm]	d [mm]	Weight [kg]	System	PU	Box unit	Price € pc
7.4	14130	160	70,0	21,9	116,2	0,876	•	1		
	14134	200	80,0	27,4	145,2	1,398	•	1		
	14138	250	90,0	34,2	181,6	2,530	•	1		
9	314130	160	70,0	17,9	124,2	0,847	•	1		
	314134	200	80,0	22,4	155,2	1,373	•	1		
	314138	250	90,0	27,9	194,2	2,856	•	1		
	314142	315	70,0	52,5	244,6	5,080	•	1		
	314144	355	80,0	66,5	275,6	7,050	•	1		
11	14131	160	70,0	14,6	130,8	0,759	• •	1		
	14135	200	80,0	18,2	163,6	1,070	• •	1		
	14139	250	90,0	22,7	204,6	1,989	• •	1		
	14143	315	70,0	52,5	257,8	4,200	• •	1		
	14145	355	80,0	67,5	290,6	6,410	• •	1		
	14147	400	70,0	60,0	327,4	7,190	• •	1		
	14149	450	80,0	70,0	368,2	10,500	• •	1		
17.6	2514130	160	70,0	9,1	141,8	0,679	•	1		
	2514134	200	80,0	11,4	177,2	0,925	•	1		
	2514138	250	90,0	14,2	221,6	2,109	•	1		
	2514142	315	70,0	60,0	279,2	4,500	•	1		
	2514144	355	70,0	60,0	314,8	5,540	•	1		
	2514146	400	75,0	65,0	354,6	6,000	•	1		
	2514148	450	70,0	56,0	399,0	8,520	•	1		
	2514150	500	75,0	62,0	443,2	12,500	•	1		
2514154	630	90,0	78,0	558,6	23,500	•	1			

WELD-IN SADDLE

for pressureless installation

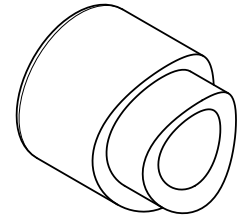
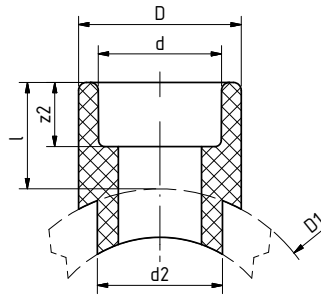
Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green

Notice: *do not use with aquatherm blue pipe OT

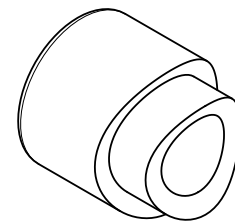
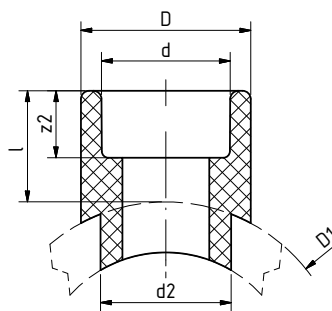


SDR	Art. no.	D1 [mm]	d [mm]	d2 [mm]	l [mm]	z2 [mm]	D [mm]	Weight [kg]	System	PU	Box unit	Price € pc
<i>socket welding</i>												
	15156*	40	20	25	27,0	14,5	29,5	0,016	• •	5		
	15158*	40	25	25	28,5	16,0	34,0	0,017	• •	5		
	15160	50	20	25	27,5	14,5	29,5	0,018	• •	5		
	15162	50	25	25	28,5	16,0	34,0	0,019	• •	5		
	15164	63	20	25	27,5	14,5	29,5	0,017	• •	5		
	15166	63	25	25	28,5	16,0	34,0	0,019	• •	5		
	15168	63	32	32	30,0	18,0	43,0	0,028	• •	5		
	15170	75	20	25	27,5	14,5	29,5	0,018	• •	5		
	15172	75	25	25	28,5	16,0	34,0	0,019	• •	5		
	15174	75	32	32	30,0	18,0	43,0	0,028	• •	5		
	15175	75	40	40	34,0	20,5	52,0	0,049	• •	5		
	15176	90	20	25	27,5	14,5	29,5	0,018	• •	5		
	15178	90	25	25	28,5	16,0	34,0	0,019	• •	5		
	15180	90	32	32	30,0	18,0	43,0	0,029	• •	5		
	15181	90	40	40	34,0	20,5	52,0	0,048	• •	5		
	15182	110	20	25	27,5	14,5	29,5	0,019	• •	5		
	15184	110	25	25	28,5	16,0	34,0	0,020	• •	5		
	15186	110	32	32	30,0	18,0	43,0	0,030	• •	5		
	15188	110	40	40	34,0	20,5	52,0	0,050	• •	5		
	15189	110	50	50	34,0	23,5	68,0	0,091	• •	5		
	15190	125	20	25	27,5	14,5	29,5	0,019	• •	5		
	15192	125	25	25	28,5	16,0	34,0	0,020	• •	5		
	15194	125	32	32	30,0	18,0	43,0	0,029	• •	5		
6	15196	125	40	40	34,0	20,5	52,0	0,050	• •	5		
7.4	15197	125	50	50	34,0	23,5	68,0	0,090	• •	5		
9	15198	125	63	63	38,0	27,5	84,0	0,149	• •	5		
11	15206	160	20	25	27,5	14,5	29,5	0,021	• •	5		
17.6	15208	160	25	25	28,5	16,0	34,0	0,023	• •	5		
	15210	160	32	32	30,0	18,0	43,0	0,034	• •	5		
	15212	160	40	40	34,0	20,5	52,0	0,054	• •	5		
	15214	160	50	50	34,0	23,5	68,0	0,094	• •	5		
	15216	160	63	63	38,0	27,5	84,0	0,157	• •	5		
	15218	160	75	75	42,0	30,0	100,0	0,238	• •	5		
	15220	160	90	90	45,0	33,0	120,0	0,360	• •	5		
	15228	200-250	20	25	27,5	14,5	29,5	0,020	• •	5		
	15229	200-250	25	25	28,5	16,0	34,0	0,021	• •	5		
	15230	200-250	32	32	30,0	18,0	43,0	0,031	• •	5		
	15231	200	40	40	34,0	20,5	52,0	0,049	• •	5		
	15232	200	50	50	34,0	23,5	68,0	0,087	• •	5		
	15233	200	63	63	37,5	27,5	84,0	0,146	• •	5		
	15234	200	75	75	42,0	30,0	100,0	0,225	• •	5		
	15235	200	90	90	45,0	33,0	120,0	0,356	• •	5		
	15236	200	110	110	49,0	37,0	147,0	0,638	• •	5		
	15237	200	125	125	55,0	40,0	167,0	0,862	• •	5		
	15251	250	40	40	34,0	20,5	52,0	0,053	• •	5		
	15252	250	50	50	34,0	23,5	68,0	0,090	• •	5		
	15253	250	63	63	37,5	27,5	84,0	0,152	• •	5		
	15254	250	75	75	42,0	30,0	100,0	0,222	• •	5		
	15255	250	90	90	45,0	33,0	120,0	0,348	• •	5		
	15256	250	110	110	49,0	37,0	147,0	0,602	• •	5		
	15257	250	125	125	55,0	40,0	167,0	0,820	• •	5		

WELD-IN SADDLE

for pressureless installation

- Systems:** aquatherm green pipe,
aquatherm blue pipe
- Material:** fusiolen® PP-R
- Standard:** DIN 16962, DIN EN ISO 15874
- Colour:** green



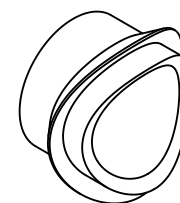
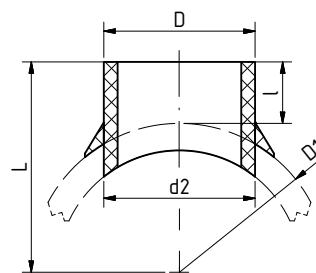
SDR	Art. no.	D1 [mm]	d [mm]	d2 [mm]	l [mm]	z2 [mm]	D [mm]	Weight [kg]	System	PU	Box unit	Price € pc
<i>socket welding</i>												
6 7.4 9 11 17.6	15260	315-355	63	63	37,5	27,5	84,0	0,153	• •	1		
	15261	315-355	75	75	42,0	30,0	100,0	0,230	• •	1		
	15262	315	90	90	45,0	33,0	120,0	0,363	• •	1		
	15263	315	110	110	49,0	37,0	147,0	0,592	• •	1		
	15264	315	125	125	55,0	40,0	167,0	0,830	• •	1		
	15268	355	90	90	45,0	33,0	120,0	0,355	• •	1		
	15269	355	110	110	49,0	37,0	147,0	0,586	• •	1		
	15270	355	125	125	55,0	40,0	167,0	0,813	• •	1		
	15275	400-500	75	75	42,0	30,0	100,0	0,216	• •	1		
	15277	400-450	110	110	49,0	37,0	147,0	0,535	• •	1		
	15278	400	125	125	55,0	40,0	167,0	0,693	• •	1		
	15288	400-500	90	90	45,0	33,0	120,0	0,330	• •	1		
	15290	450-500	125	125	55,0	40,0	167,0	0,671	• •	1		
	15300	400-630	63	63	37,5	27,5	84,0	0,498	• •	1		
	15303	500	110	110	49,0	37,5	147,0	0,533	• •	1		
	15315	630	75	75	42,0	30,0	100,0	0,260	• •	1		
	15316	630	90	90	45,0	33,0	120,0	0,350	• •	1		
15318	630	125	125	55,0	40,0	167,0	0,689	• •	1			
15331	630	110	110	49,0	37,0	147,0	0,567	• •	1			

With weld-on surface and additional weld-in socket for the fusion with the inner pipe wall.
The necessary tools for the fusion of aquatherm green pipe weld-in saddles are listed from page 100 onwards.

WELD-IN SADDLE BUTT WELDING

for pressureless installation

- Systems:** aquatherm green pipe,
aquatherm blue pipe
- Material:** fusiolen® PP-RCT
- Standard:** DIN 16962, DIN EN ISO 15874
- Colour:** green



SDR	Art. no.	D1 [mm]	D [mm]	d2 [mm]	l [mm]	L [mm]	Weight [kg]	System	PU	Box unit	Price € pc
<i>butt welding</i>											
9	315265	315	160	160	80,0	237,5	0,831	• •	1		
	315271	355	160	160	80,0	257,5	0,845	• •	1		
11	15265	315	160	160	80,0	237,5	0,868	• •	1		
	15271	355	160	160	80,0	257,5	0,867	• •	1		

With weld-on surface and additional weld-in socket for the fusion with the inner pipe wall.
The necessary tools for the fusion of aquatherm green pipe weld-in saddles are listed from page 100 onwards.

WELD-IN SADDLE WITH FEMALE THREAD

for pressureless installation, with spanner flat

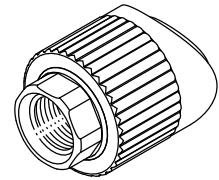
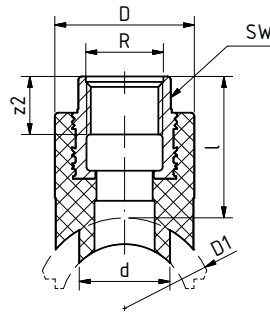
Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

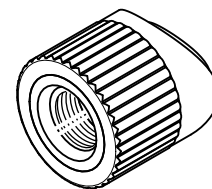
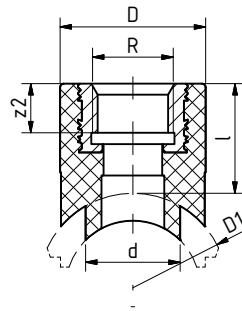
Standard: DIN 16962, DIN EN ISO 15874
fusiolen® PP-R, brass

Colour: green

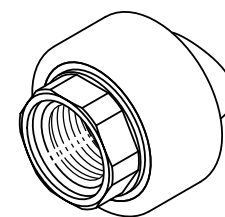
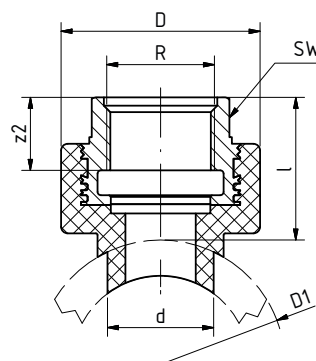
Notice: *do not use with aquatherm blue pipe OT



SDR	Art. no.	D1 [mm]	d [mm]	l [mm]	z2 [mm]	D [mm]	R	SW [mm]	Weight [kg]	System	PU	Box unit	Price € pc
<i>socket welding</i>													
	28214*	40	25	39,0	16,0	38,5	1/2"	24	0,088	• •	5		
	28216	50	25	39,0	16,0	38,5	1/2"	24	0,090	• •	5		
	28218	63	25	39,0	16,0	38,5	1/2"	24	0,089	• •	5		
	28220	75	25	39,0	16,0	38,5	1/2"	24	0,083	• •	5		
	28222	90	25	39,0	16,0	38,5	1/2"	24	0,090	• •	5		
	28224	110	25	39,0	16,0	38,5	1/2"	24	0,089	• •	5		
	28226	125	25	39,0	16,0	38,0	1/2"	24	0,092	• •	5		
	28230	160	25	39,0	16,0	38,5	1/2"	24	0,092	• •	5		
	28232	200-250	25	39,0	16,0	38,5	1/2"	24	0,092	• •	5		
	28234	40	25	39,0	21,0	43,5	3/4"	31	0,107	• •	5		
6	28236	50	25	39,0	21,0	43,5	3/4"	31	0,110	• •	5		
7.4	28238	63	25	39,0	21,0	43,5	3/4"	31	0,109	• •	5		
9	28240	75	25	39,0	21,0	43,5	3/4"	31	0,109	• •	5		
11	28242	90	25	39,0	21,0	43,5	3/4"	31	0,110	• •	5		
17.6	28244	110	25	39,0	21,0	43,5	3/4"	31	0,110	• •	5		
	28246	125	25	39,0	21,0	43,5	3/4"	31	0,112	• •	5		
	28250	160	25	39,0	21,0	43,5	3/4"	31	0,112	• •	5		
	28254	200-250	25	39,0	21,0	43,5	3/4"	31	0,112	• •	5		
	28260	75	32	43,0	22,0	60,0	1"	39	0,223	• •	5		
	28262	90	32	43,0	22,0	60,0	1"	39	0,223	• •	5		
	28264	110	32	43,0	22,0	60,0	1"	39	0,223	• •	5		
	28266	125	32	43,0	22,0	60,0	1"	39	0,224	• •	5		
	28270	160	32	43,0	22,0	60,0	1"	39	0,226	• •	5		
	28274	200-250	32	43,0	22,0	60,0	1"	39	0,244	• •	5		

WELD-IN SADDLE WITH FEMALE THREAD*for pressureless installation***Systems:** aquatherm green pipe,
aquatherm blue pipe**Material:** fusiolen® PP-R**Standard:** DIN 16962, DIN EN ISO 15874
fusiolen® PP-R, stainless steel**Colour:** green**Notice:** *do not use with aquatherm blue pipe OT

SDR	Art. no.	D1 [mm]	d [mm]	l [mm]	z2 [mm]	D [mm]	R	Weight [kg]	System	PU	Box unit	Price € pc
<i>socket welding</i>												
	928214*	40	25	39,0	16,0	38,5	1/2"	0,062	• •	5		
	928216	50	25	39,0	16,0	38,5	1/2"	0,064	• •	5		
	928218	63	25	39,0	16,0	38,5	1/2"	0,064	• •	5		
	928220	75	25	39,0	16,0	38,5	1/2"	0,064	• •	5		
	928222	90	25	39,0	16,0	38,5	1/2"	0,064	• •	5		
	928224	110	25	39,0	16,0	38,5	1/2"	0,069	• •	5		
	928226	125	25	39,0	16,0	38,5	1/2"	0,065	• •	5		
6	928230	160	25	39,0	16,0	38,5	1/2"	0,066	• •	5		
7.4	928232	200-250	25	39,0	16,0	38,5	1/2"	0,065	• •	5		
9	928234	40	25	39,0	21,0	43,5	3/4"	0,082	• •	5		
11	928236	50	25	39,0	21,0	43,5	3/4"	0,074	• •	5		
17.6	928238	63	25	39,0	21,0	43,5	3/4"	0,073	• •	5		
	928240	75	25	39,0	21,0	43,5	3/4"	0,074	• •	5		
	928242	90	25	39,0	21,0	43,5	3/4"	0,074	• •	5		
	928244	110	25	39,0	21,0	43,5	3/4"	0,083	• •	5		
	928246	125	25	39,0	21,0	43,5	3/4"	0,074	• •	5		
	928250	160	25	39,0	21,0	43,5	3/4"	0,076	• •	5		
	928254	200-250	25	39,0	21,0	43,5	3/4"	0,084	• •	5		

WELD-IN SADDLE WITH FEMALE THREAD*for pressureless installation, with spanner flat***Systems:** aquatherm green pipe,
aquatherm blue pipe**Material:** fusiolen® PP-R**Standard:** DIN 16962, DIN EN ISO 15874
fusiolen® PP-R, stainless steel**Colour:** green

SDR	Art. no.	D1 [mm]	d [mm]	l [mm]	z2 [mm]	D [mm]	R	SW [mm]	Weight [kg]	System	PU	Box unit	Price € pc
<i>socket welding</i>													
	928260	75	32	43,0	22,0	60,0	1"	39	0,234	• •	5		
6	928262	90	32	43,0	22,0	60,0	1"	39	0,235	• •	5		
7.4	928264	110	32	43,0	22,0	60,0	1"	39	0,236	• •	5		
9	928266	125	32	43,0	22,0	60,0	1"	39	0,235	• •	5		
11	928270	160	32	43,0	22,0	60,0	1"	39	0,238	• •	5		
17.6	928274	200-250	32	43,0	22,0	60,0	1"	39	0,237	• •	5		

WELD-IN SADDLE WITH MALE THREAD

for pressureless installation, with spanner flat

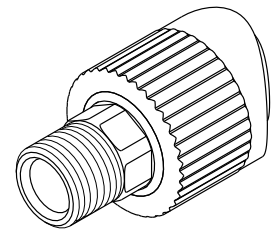
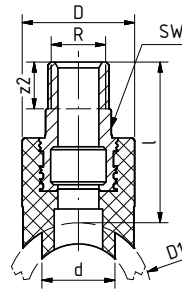
Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green

Notice: *do not use with aquatherm blue pipe OT



SDR	Art. no.	D1 [mm]	d [mm]	l [mm]	z2 [mm]	D [mm]	R	SW [mm]	Weight [kg]	System	PU	Box unit	Price € pc
<i>socket welding</i>													
6 7.4 9 11 17.6	28314*	40	25	55,0	16,0	38,5	1/2"	21	0,088	• •	5		
	28316	50	25	55,0	16,0	38,5	1/2"	21	0,090	• •	5		
	28318	63	25	55,0	16,0	38,5	1/2"	21	0,089	• •	5		
	28320	75	25	55,0	16,0	38,5	1/2"	21	0,097	• •	5		
	28322	90	25	55,0	16,0	38,5	1/2"	21	0,090	• •	5		
	28324	110	25	55,0	16,0	38,5	1/2"	21	0,089	• •	5		
	28326	125	25	55,0	16,0	38,5	1/2"	21	0,092	• •	5		
	28330	160	25	55,0	16,0	38,5	1/2"	21	0,092	• •	5		
	28334*	40	25	56,0	17,0	43,5	3/4"	24	0,107	• •	5		
	28336	50	25	56,0	17,0	43,5	3/4"	24	0,110	• •	5		
	28338	63	25	56,0	17,0	43,5	3/4"	24	0,109	• •	5		
	28340	75	25	56,0	17,0	43,5	3/4"	24	0,109	• •	5		
	28342	90	25	56,0	17,0	43,5	3/4"	24	0,110	• •	5		
	28344	110	25	56,0	17,0	43,5	3/4"	24	0,110	• •	5		
	28346	125	25	56,0	17,0	43,5	3/4"	24	0,112	• •	5		
	28350	160	25	56,0	17,0	43,5	3/4"	24	0,112	• •	5		

With hex shaped male thread, weld-in surface and weld-in socket for fusion with the inner wall of the pipe. The necessary tools for the fusion of aquatherm green pipe weld-in saddles are listed from page 100 onwards.

aquatherm WELD-ON SADDLE SET WITH BALL VALVE

for installation under pressure

in use with tapping tool page 104

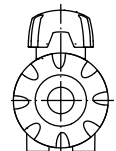
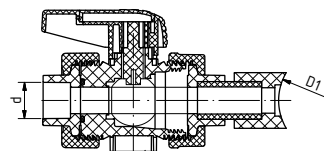
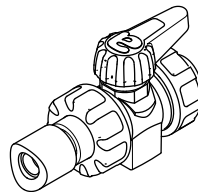
Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green

Notice: do not use with aquatherm blue pipe OT



SDR	Art. no.	d [mm]	D1 [mm]	System	PU	Box unit	Price € pc
6 7.4 9 11 17.6	16175	40	75	• •	1		
	16181	40	90	• •	1		
	16188	40	110	• •	1		
	16196	40	125	• •	1		
	16198	63	125	• •	1		
	16212	40	160	• •	1		
	16216	63	160	• •	1		
	16231	40	200	• •	1		
	16233	63	200	• •	1		
	16251	40	250	• •	1		
	16253	63	250	• •	1		
	16260	63	315-355	• •	1		
	16300	63	400-630	• •	1		

The required tools for the fusion of aquatherm green pipe weld-on saddles are listed from page 105 onwards.

FLANGE ADAPTER SOCKET WELDING

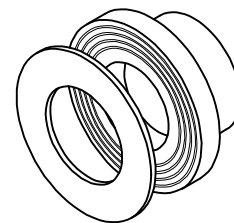
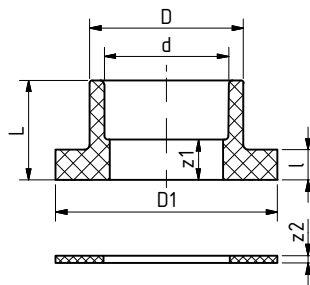
with gasket

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art. no.	Dimension d [mm]	L [mm]	l [mm]	D [mm]	D1 [mm]	z1 [mm]	z2 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
<i>socket welding</i>													
6 7.4 9 11	15512	32	34,0	10,0	41,0	68,0	16,0	3	0,053	• •	1		
	15514	40	35,5	11,0	50,0	78,0	15,0	3	0,071	• •	1		
	15516	50	39,5	12,0	61,0	88,0	16,0	3	0,071	• •	1		
	15518	63	43,5	14,0	76,0	102,0	16,0	3	0,112	• •	1		
	15520	75	46,0	16,0	90,0	122,0	16,0	3	0,169	• •	1		
	15522	90	50,0	17,0	108,0	138,0	17,0	3	0,261	• •	1		
	15524	110	55,5	18,5	131,0	158,0	18,5	3	0,329	• •	1		
	15527	125	63,0	20,0	165,0	188,0	23,0	3	0,724	• •	1		

FLANGE ADAPTER SOCKET WELDING

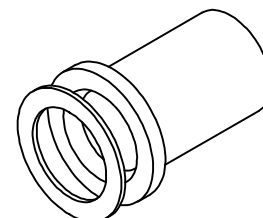
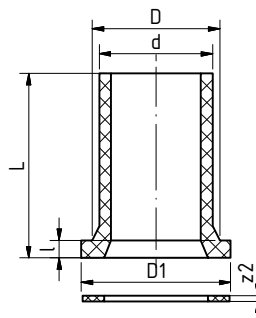
with gasket

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art. no.	Dimension d [mm]	L [mm]	l [mm]	D [mm]	D1 [mm]	z2 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 9 11	15526	125	195,0	18,5	131,0	158,0	3	1,180	• •	1		

*Only use with fitting 125 mm; with 110 mm flange adapter suitable for Art. no. 15724

Suitable flange adapter for shut-off valves are available on request.

FLANGE ADAPTER BUTT WELDING

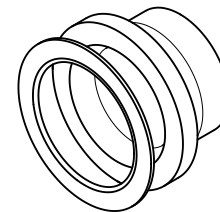
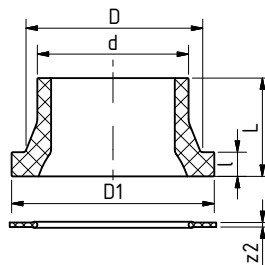
with gasket

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-RCT

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art. no.	Dimension d [mm]	L [mm]	l [mm]	D [mm]	D1 [mm]	z2 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
<i>butt welding</i>												
9	15530	160	93,0	25,0	175,0	212,0	3,00	1,163	•	1		
	15534	200	130,0	32,0	232,0	268,0	6,00	2,292	•	1		
	15538	250	130,0	35,0	285,0	320,0	6,00	3,298	•	1		
	315530*	160	93,0	25,0	175,0	212,0	3	1,150	•	1		
	315534	200	130,0	32,0	232,0	268,0	6	2,292	•	1		
	315538	250	130,0	35,0	285,0	320,0	6	3,313	•	1		
	315542	315	172,5	52,0	337,0	370,0	6	5,640	•	1		
315544	355	217,0	77,0	372,0	432,0	6	14,000	•	1			
11	15531	160	93,0	25,0	175,0	212,0	3	0,955	• •	1		
	15535	200	130,0	32,0	232,0	268,0	6	1,957	• •	1		
	15539	250	130,0	35,0	285,0	320,0	6	2,717	• •	1		
	15543	315	168,0	35,0	335,0	370,0	6	6,000	• •	1		
	15545	355	180,0	40,0	373,0	430,0	6	7,930	• •	1		
	15547	400	195,0	46,0	427,0	482,0	6	12,000	• •	1		
	15549	450	139,0	60,0	514,0	585,0	7	14,540	• •	1		
17.6	2515530	160	80,0	18,0	175,0	212,0	3	0,821	•	1		
	2515534	200	130,0	32,0	232,0	268,0	6	1,849	•	1		
	2515538	250	130,0	35,0	285,0	320,0	6	2,736	•	1		
	2515542	315	168,0	25,0	335,0	370,0	6	4,500	•	1		
	2515544	355	184,0	30,0	373,0	430,0	6	7,000	•	1		
	2515546	400	195,0	33,0	427,0	482,0	6	7,360	•	1		
	2515548	450	142,0	46,0	514,0	585,0	7	10,400	•	1		
	2515550	500	138,0	46,0	530,0	585,0	7	8,700	•	1		
2515554	630	140,0	50,0	642,0	685,0	7	12,530	•	1			

Up to 160 mm EPDM-gasket without steel ring insert. From 200 mm EPDM-gasket with steel ring insert.

Suitable flange adapter for shut-off valves available on request.

FLANGE ADAPTER INCL. FLANGE PN6

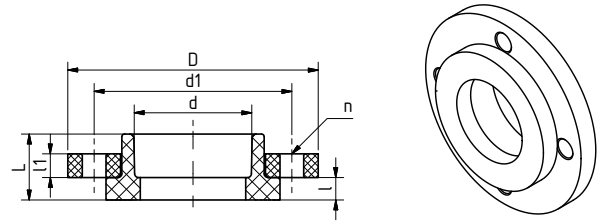
without gasket

Systems: aquatherm green pipe, aquatherm blue pipe

Material: Flange: Steel galvanized
Flange adapter: fusiolen® PP-R

Colour: Flange: black
Flange adapter: green

d = Connection dimension, d1 = hole-circle,
PN 6 = Flange according to DIN 2641



SDR	Art. no.	Diameter d [mm]	D [mm]	d1 [mm]	L [mm]	l1 [mm]	l [mm]	n	Weight [kg]	System	PU	Box unit	Price € pc
<i>socket welding</i>													
6 7.4 9 11 17.6	15012	32	100,0	75,0	34,0	10,0	10,0	4	1,090	• •	1		
	15014	40	120,0	90,0	35,5	10,0	11,0	4	1,170	• •	1		
	15016	50	130,0	100,0	39,5	10,0	12,0	4	1,360	• •	1		
	15018	63	140,0	110,0	43,5	10,0	14,0	4	0,886	• •	1		
	15020	75	160,0	130,0	46,0	10,0	16,0	4	1,148	• •	1		
	15022	90	190,0	150,0	50,0	10,0	17,0	4	1,618	• •	1		
	15024	110	210,0	170,0	55,5	10,0	18,5	4	1,824	• •	1		
	15027	125	240,0	200,0	63,0	12,0	20,0	8	3,945	• •	1		

Delivery time: on request

FLANGE ADAPTER INCL. FLANGE PN6

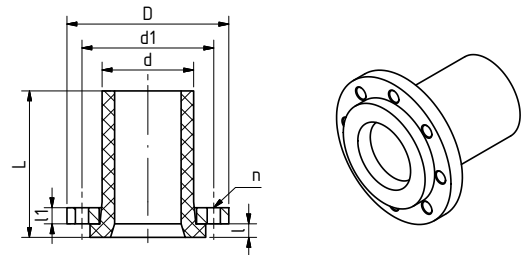
without gasket

Systems: aquatherm green pipe, aquatherm blue pipe

Material: Flange: Steel galvanized
Flange adapter: fusiolen® PP-R

Colour: Flange: black
Flange adapter: green

d = Connection dimension, d1 = hole-circle,
PN 6 = Flange according to DIN 2641



SDR	Art. no.	Diameter d [mm]	D [mm]	d1 [mm]	L [mm]	l1 [mm]	l [mm]	n	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 9 11 17.6	15026	125	210,0	170,0	195,0	10,0	18,5	4	2,715	• •	1		

Delivery time: on request

125mm Fitting with 110mm Flange adapter incl. flange PN6
Use only in combination with a fitting

FLANGE ADAPTER INCL. FLANGE PN6

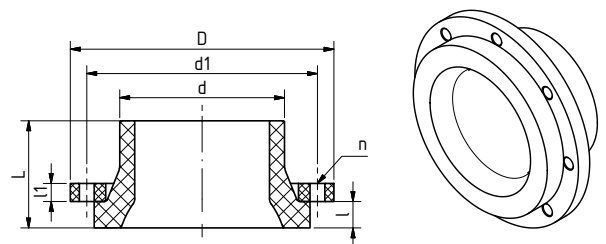
without gasket

Systems: aquatherm green pipe, aquatherm blue pipe

Material: Flange: Steel galvanized
Flange adapter: fusiolen® PP-RCT

Colour: Flange: black
Flange adapter: green

d = Connection dimension, d1 = hole-circle,
PN 6 = Flange according to DIN 2641



SDR	Art. no.	Diameter d [mm]	D [mm]	d1 [mm]	L [mm]	l1 [mm]	l [mm]	n	Weight [kg]	System	PU	Box unit	Price € pc
<i>Butt welding</i>													
11	15031	160	265,0	225,0	93,0	12,0	25,0	8	4,136	• •	1		
	15035	200	320,0	280,0	130,0	12,0	32,0	8	6,694	• •	1		
	15039	250	375,0	335,0	130,0	12,0	35,0	8	9,500	• •	1		

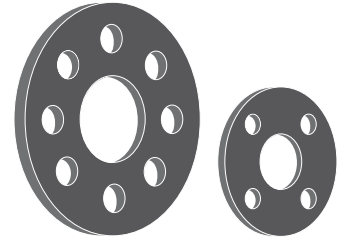
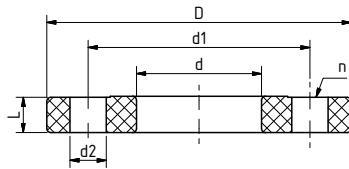
Delivery time: on request

PLASTIC COATED STEEL FLANGE

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: PP/steel

Colour: grey



d = Connection dimension, d1 = hole-circle,
PN10/16= Flange according to DIN EN1092, DIN2501

SDR	Art. no.	fits to Art. no.	Dimension flange adapter [mm]	DN	d [mm]	d1 [mm]	D [mm]	d2 [mm]	L [mm]	n	Weight [kg]	System	PU	Box unit	Price € pc
<i>socket welding</i>															
	15712	15512	32	25	42,0	85,0	116,0	14,0	15,5	4	0,469	•	•	1	
	15714	15514	40	32	51,0	100,0	141,0	18,0	17,5	4	0,722	•	•	1	
	15716	15516	50	40	62,0	110,0	151,0	18,0	17,5	4	0,770	•	•	1	
	15718	15518	63	50	78,0	125,0	166,0	18,0	19,0	4	0,911	•	•	1	
	15720	15520	75	65	92,0	145,0	186,0	18,0	19,0	4	1,132	•	•	1	
	15722	15522	90	80	110,0	160,0	201,0	18,0	21,0	8	1,356	•	•	1	
	15724	15524/26	110	100	133,0	180,0	221,0	18,0	22,0	8	1,475	•	•	1	
	15726	15527	125	125	167,0	210,0	251,0	18,0	26,0	8	2,082	•	•	1	
	15730	15531 315530 2515530	160	150	178,0	240,0	286,0	22,0	27,0	8	3,671	•	•	1	
6	15734*	15535	200	200	235,0	295,0	341,0	22,0	28,0	8	4,709	•	•	1	
7.4		315534													
9		2515534													
11	15738*	15539	250	250	288,0	350,0	406,0	22,0	31,0	12	7,094	•	•	1	
17.6		315538 2515538													
	15742*	15543 315542 2515542	315	300	340,0	400,0	460,0	22,0	33,5	12	9,500	•	•	1	
	15744*	15545 315544 2515544	355	350	376,0	460,0	520,0	22,0	39,0	16	15,300	•	•	1	
	15746*	15547 2515546	400	400	430,0	515,0	565,0	26,0	34,0	16	19,680	•	•	1	
	15748**	15549 2515548	450	500	517,0	620,0	670,0	26,0	42,0	20	22,880	•	•	1	
	15750**	2515550	500	500	533,0	620,0	670,0	26,0	38,0	20	19,000	•	•	1	
	15754**	2515554	630	600	645,0	725,0	785,0	30,0	40,0	20	25,800	•	•	1	

*Flange PN16 \varnothing 200 – 630 mm (Art. no. 15934 – 15954) available on request.

**Material: steel/epoxyd

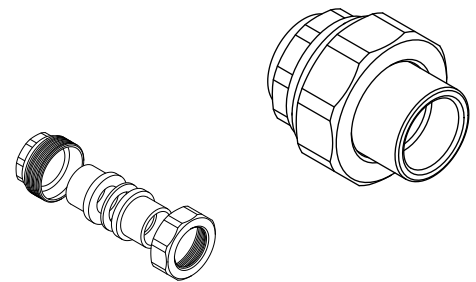
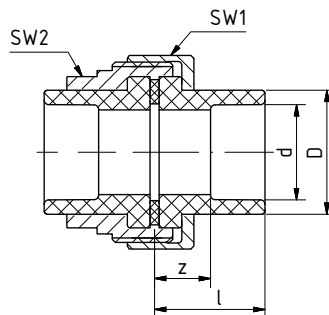
COUPLING SCREW JOINT

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R, brass

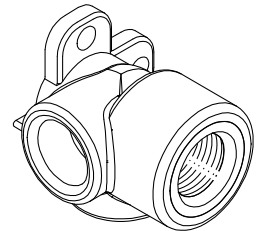
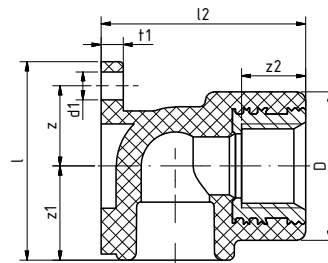
Standard: DIN 16962, DIN EN ISO 15874

Colour: green, brassy



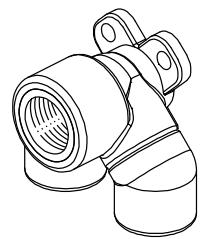
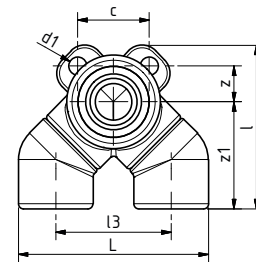
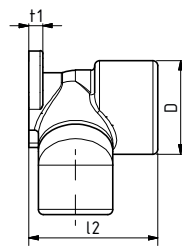
SDR	Art. no.	Dimension d [mm]	l [mm]	z [mm]	D [mm]	SW1 [mm]	SW2 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
<i>socket welding</i>												
	15812	32	36,5	18,5	41,0	64	50	0,479	•	•	1	
6	15814	40	38,0	17,5	50,0	80	60	0,841	•	•	1	
7.4	15816	50	41,0	17,5	61,0	86	70	0,821	•	•	1	
9	15818	63	45,0	17,5	76,0	108	90	1,498	•	•	1	
11	15820	75	31,0	17,5	90,0	128	104	1,998	•	•	1	

PRINCIPLE OF FLOW-THROUGH BACK PLATE ELBOW



aquatherm green pipe FLOW-THROUGH BACK PLATE ELBOW 90°

Art. no.	Dimension	D [mm]	d1 [mm]	l [mm]	l2 [mm]	t1 [mm]	z [mm]	z1 [mm]	z2 [mm]	PU	Box unit	Price € pc
20197	20mm x 1/2" f x 20 mm	37,0	7,0	49,5	51,0	5,5	20,0	23,5	16,0	1		



aquatherm green pipe FLOW-THROUGH BACK PLATE ELBOW, PARALLEL

Art. no.	Dimension	D [mm]	d1 [mm]	L [mm]	l [mm]	l2 [mm]	l3 [mm]	c [mm]	t1 [mm]	z [mm]	z1 [mm]	PU	Box unit	Price € pc
20198	20mm x 1/2" f x 20 mm	37,0	7,0	75,0	65,0	51,0	45,6	28,3	5,5	14,0	42,3	1		

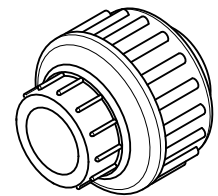
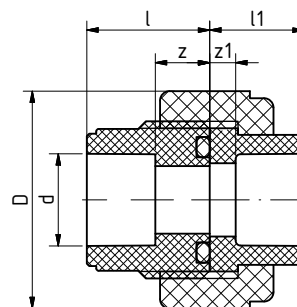
COUPLING SCREW JOINT

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art. no.	Dimension d [mm]	l [mm]	z [mm]	l1 [mm]	z1 [mm]	D [mm]	Weight [kg]	System	PU	Box unit	Price € pc
	<i>socket welding</i>											
	15838	20	26,0	12,0	20,0	5,5	46,0	0,036	• •	10		
	15840	25	28,0	12,0	21,0	5,0	56,0	0,058	• •	10		
6	15842	32	30,0	12,0	23,0	5,0	66,0	0,089	• •	5		
7.4	15844	40	34,0	13,5	25,5	5,0	79,0	0,136	• •	5		
9	15846	50	39,0	15,5	28,8	5,0	87,0	0,170	• •	5		
	15848	63	47,5	20,0	32,5	5,0	107,0	0,240	• •	1		
11	15850	75	50,0	20,0	36,0	6,0	128,0	0,546	• •	1		

ELECTROFUSION SOCKET

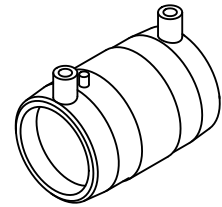
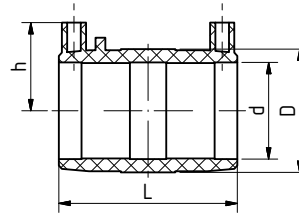
Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green

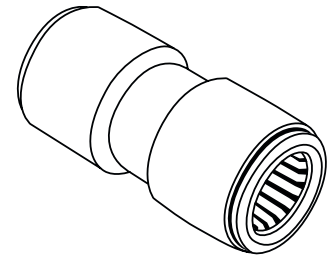
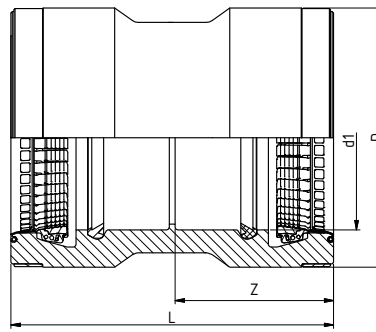
Notice: do not use with 160 – 250 mm fittings
*do not use with aquatherm blue pipe MF OT



SDR	Art. no.	Dimension d [mm]	L [mm]	h [mm]	D [mm]	Weight [kg]	System	PU	Box unit	Price € pc
<i>Electro-socket welding</i>										
6 7.4 9 11 17.6	17208	20	70,0	36,0	31,5	0,049	• •	1		
	17210	25	78,0	38,5	36,5	0,057	• •	1		
	17212	32	80,0	42,5	45,0	0,077	• •	1		
	17214	40	92,0	47,0	54,0	0,103	• •	1		
	17216	50	103,0	52,0	65,0	0,142	• •	1		
	17218	63	118,0	58,0	81,5	0,239	• •	1		
	17220	75	130,0	64,5	96,0	0,347	• •	1		
	17222	90	145,0	72,0	113,5	0,501	• •	1		
	17224	110	160,0	82,5	139,0	0,821	• •	1		
	17226	125	172,0	90,0	156,0	1,097	• •	1		
	17230*	160	186,0	109,5	197,0	1,754	• •	1		
17234*	200	210,0	134,0	243,0	3,625	• •	1			
17238*	250	250,0	170,0	315,0	7,142	• •	1			

NEW PUSH-FIT COUPLING

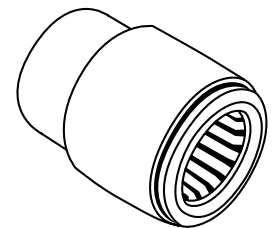
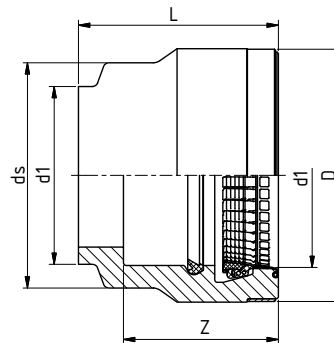
Systems: aquatherm blue pipe
Material: fusiolen® PP-RCT/EPDM
Pipe series: SDR 11/17.6
Standard: DIN EN ISO 15874
Colour: green
Notice: do not use for aquatherm blue pipe MF RP OT



SDR	Art. no.	d1 [mm]	L [mm]	D [mm]	z [mm]	Weight [kg]	System	PU	Box unit	Price € pc
11 17.6	17322	90	285,0	152,0	140,0	2,300	•	1		
	17324	110	345,0	175,0	170,0	3,700	•	1		
	17326	125	350,0	190,0	172,0	4,300	•	1		
	17330	160	372,0	234,0	183,0	6,600	•	1		
	17334	200	470,0	285,0	231,0	11,000	•	1		
	17338	250	496,0	375,0	243,0	24,200	•	1		
	17342	315	560,0	450,0	275,0	40,200	•	1		
	17344	355	576,0	492,0	283,0	45,700	•	1		
	17346	400	610,0	540,0	300,0	54,800	•	1		
17348	450	646,0	600,0	318,0	69,600	•	1			

NEW PUSH-FIT ADAPTER

Systeme: aquatherm blue pipe
Material: fusiolen® PP-RCT/EPDM
Pipe series: SDR 11/17.6
Standard: DIN EN ISO 15874
Colour: green
Notice: do not use for aquatherm blue pipe MF RP OT

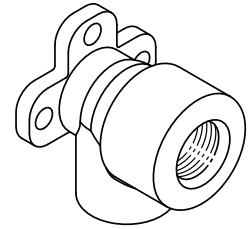
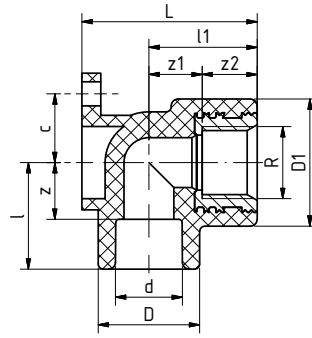


SDR	Art. no.	d1 [mm]	L [mm]	D [mm]	ds [mm]	z [mm]	Weight [kg]	System	PU	Box unit	Price € pc
11 17,6	17422	90	170,0	152,0	112,0	140,0	1,200	•	1		
	17424	110	205,0	175,0	140,0	170,0	2,000	•	1		
	17426	125	210,0	190,0	161,0	172,0	2,300	•	1		
	17430	160	227,0	234,0	202,0	183,0	3,800	•	1		
	17434	200	285,0	285,0	250,0	231,0	6,500	•	1		
	17438	250	315,0	375,0	317,0	243,0	15,000	•	1		
	17442	315	355,0	450,0	400,0	275,0	24,000	•	1		
	17444	355	370,0	492,0	450,0	283,0	28,000	•	1		
	17446	400	390,0	540,0	500,0	300,0	34,000	•	1		
	17448	450	415,0	600,0	560,0	318,0	44,000	•	1		
	17526	125	210,0	190,0	161,0	172,0	2,300	•	1		
	17530	160	227,0	234,0	202,0	183,0	3,800	•	1		
	17534	200	285,0	285,0	250,0	231,0	6,500	•	1		
	17538	250	315,0	355,0	295,0	243,0	11,500	•	1		
	17542	315	345,0	425,0	370,0	275,0	16,300	•	1		
	17544	355	360,0	470,0	415,0	283,0	20,000	•	1		
17546	400	390,0	510,0	465,0	300,0	23,800	•	1			
17548	450	400,0	565,0	520,0	318,0	27,800	•	1			

Fittings and connecting parts e.g. elbows (45°/90°), T-pieces, red-T-pieces, etc. on request

BACK PLATE ELBOW

Systems:	aquatherm green pipe, aquatherm blue pipe
Material:	fusiolen® PP-R, brass fusiolen® PP-R, stainless steel
Standard:	DIN 16962, DIN EN ISO 15874
Colour:	green

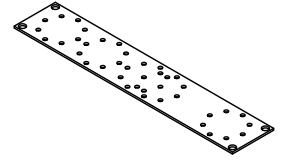
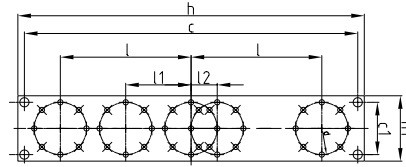


SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	D [mm]	l1 [mm]	z1 [mm]	z2 [mm]	D1 [mm]	L [mm]	c [mm]	Weight [kg]	System	PU	Box unit	Price € pc
<i>socket welding</i>																	
brass																	
6 7.4 11	20106	16	1/2"	31,0	18,0	29,5	31,5	18,5	13,0	37,0	51,0	20,0	0,080	•		200	
	20108	20	1/2"	31,0	16,5	29,5	31,5	18,5	13,0	37,0	51,0	20,0	0,079	• •		200	
	20110	20	3/4"	37,0	22,5	34,0	37,0	24,0	13,0	44,0	54,0	-	0,106	• •			
	20112	25	3/4"	37,0	21,0	34,0	37,0	24,0	13,0	44,0	54,0	-	0,105	• •			
	20113	25	1/2"	33,5	17,5	34,0	31,0	18,0	13,0	37,0	53,0	20,0	0,080	• •			
stainless steel																	
	920108	20	1/2"	31,0	16,5	29,5	31,5	18,5	13,0	37,0	51,0	20,0	0,084	•			
	920110	20	3/4"	37,0	22,5	34,0	37,0	24,0	13,0	44,0	54,0	-	0,101	• •			
	920112	25	3/4"	37,0	21,0	34,0	37,0	24,0	13,0	44,0	54,0	-	0,111	• •			
	920113	25	1/2"	33,5	17,5	34,0	31,0	18,0	13,0	37,0	53,0	20,0	0,076	• •			

MOUNTING PLATE

galvanized; to fix back plate elbows as double connection

- Systems:** aquatherm green pipe, aquatherm blue pipe
Material: iron, galvanized
Colour: zinc



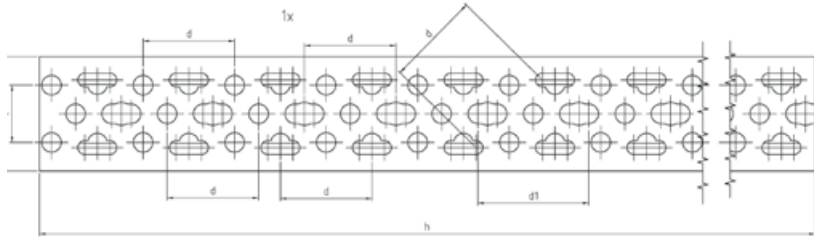
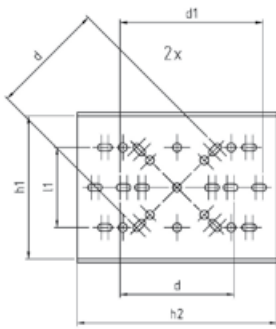
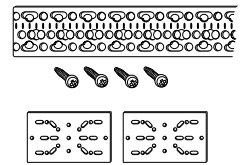
Art. no.	d [mm]	l [mm]	l1 [mm]	l2 [mm]	c [mm]	c1 [mm]	h [mm]	h1 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
60010	40	100	50	20	255	40	265	50	0,221	• •	1		

not suitable for connection with sound insulation plate (Art. no. 79080).
 We recommend mounting rail Art. no. 79090.

MOUNTING PLATE

galvanized; to fix back plate elbows as double connection including 2 fixing plates and 4 screws

- Systems:** aquatherm green pipe, aquatherm blue pipe
Material: iron, galvanized
Colour: zinc

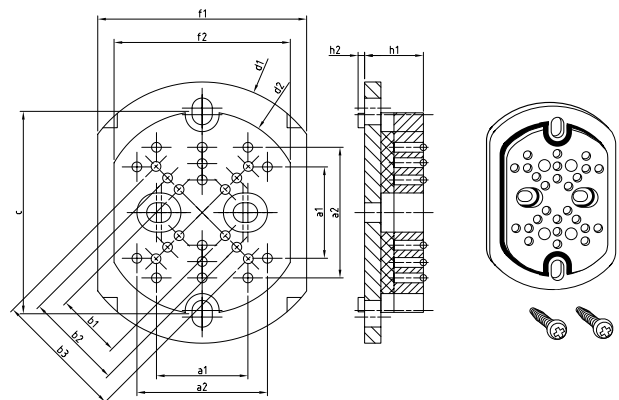


Art. no.	d [mm]	d1 [mm]	l [mm]	l1 [mm]	h [mm]	h1 [mm]	h2 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
79090	40	50	25	28	560	70	70	0,546	• •	1		

SOUND INSULATION PLATE

for aquatherm green pipe and aquatherm grey pipe back plate elbow

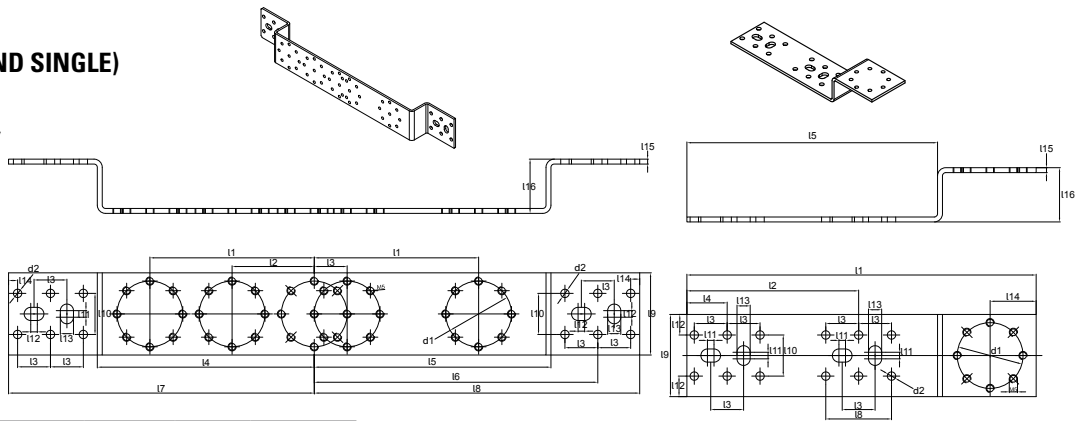
- Systems:** aquatherm green pipe, aquatherm grey pipe
Material: PP
Colour: white



Art. no.	a1 [mm]	a2 [mm]	b1 [mm]	b2 [mm]	b3 [mm]	c [mm]	d1 [mm]	d2 [mm]	f1 [mm]	f2 [mm]	h1 [mm]	h2 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
79080	28	20	30	40	62	62	80	62	64	54	18	2	0,058	• •	2		

MOUNTING RAIL (DOUBLE AND SINGLE)

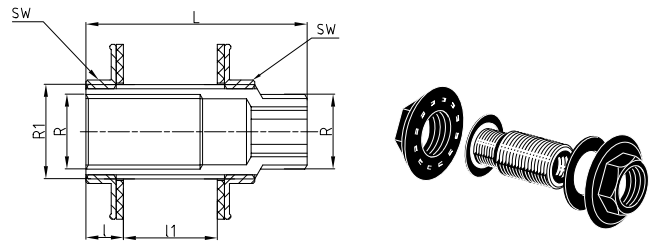
Systems: aquatherm green pipe,
aquatherm blue pipe
Material: iron, galvanized
Colour: zinc



Art. no.	ø d1 [mm]	ø d2 [mm]	Weight [kg]	System	PU	Price € pc
79095	40	5,1	0,412	• •	2	
79096	40	5,1	0,235	• •	2	

DRY CONSTRUCTION WALL FITTING

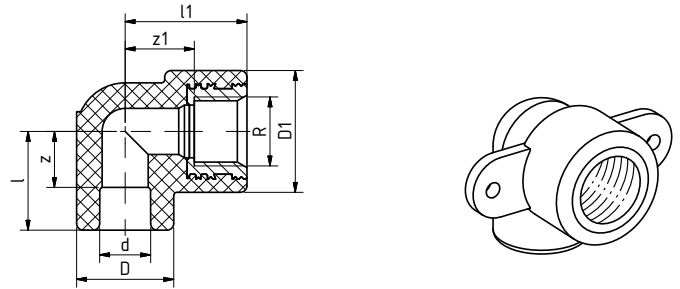
Systems: aquatherm green pipe,
aquatherm blue pipe
Material: brass



Art. no.	R	R1	l [mm]	l1 [mm]	L [mm]	SW [mm]	Weight [kg]	System	PU	Box unit	Price € pc
20114	1/2"	3/4"	10,5	26,0	62,0	30	0,213	• •	10		

BACK PLATE ELBOW FOR DRY CONSTRUCTION

Systems: aquatherm green pipe,
aquatherm blue pipe
Material: fusiolen® PP-R, brass
fusiolen® PP-R, stainless steel
Standard: DIN 16962, DIN EN ISO 15874
Colour: green

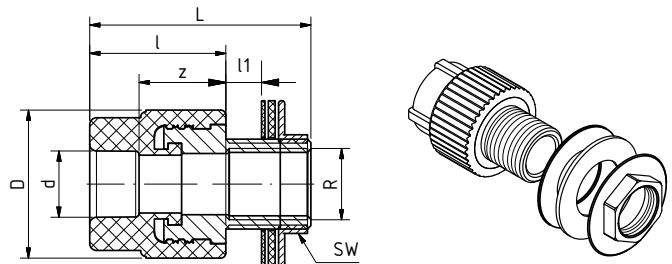


SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	D [mm]	l1 [mm]	z1 [mm]	D1 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
<i>socket welding</i>														
brass														
6	20156	16	1/2"	30,0	17,0	29,5	37,0	24,0	37,0	0,081	• •	10		
7.4	20158	20	1/2"	30,0	15,5	29,5	37,0	24,0	37,0	0,079	• •	10		
11	stainless steel													
	920158	20	1/2"	30,0	15,5	29,5	37,0	24,0	37,0	0,078	• •	10		

TRANSITION PIECE

with counternut, gasket and tension washer

Systems: aquatherm green pipe aquatherm blue pipe
Material: fusiolen® PP-R, brass
Standard: DIN 16962, DIN EN ISO 15874
Colour: green



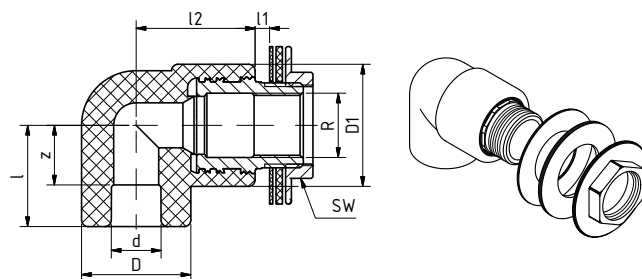
SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	D [mm]	l1 [mm]	L [mm]	SW [mm]	Weight [kg]	System	PU	Box unit	Price € pc
<i>socket welding</i>														
6	20204	20	1/2"	40,0	25,5	43,5	13,5	65,0	29	0,204	• •	10		
7.4														
11														

e.g. for connection of a cistern or application with mounting plate (Art. no. 60110 - 60115)
Официальный представитель завода: Группа Компаний Агпайп
WWW.AGPIPE.RU +7 (495) 928-0008 INFO@AGPIPE.RU

TRANSITION ELBOW

with counternut, gasket and tension washer

- Systems:** aquatherm green pipe, aquatherm blue pipe
Material: fusiolen® PP-R, brass
Standard: DIN 16962, DIN EN ISO 15874
Colour: green



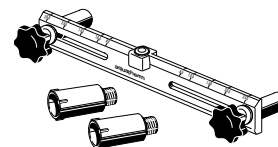
SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	D [mm]	l1 [mm]	l2 [mm]	D1 [mm]	SW [mm]	Weight [kg]	System	PU	Box unit	Price € pc
<i>socket welding</i>															
6	20206	16	1/2"	37,0	24,0	29,5	3,5	35,0	44,0	29	0,201	•	10		
7.4	20208	20	1/2"	37,0	22,5	29,5	3,5	35,0	44,0	29	0,154	•	•	10	
11	20209	25	1/2"	37,0	21,0	34,0	3,5	37,0	44,0	29	0,206	•	•	10	

e.g. for connection of a cistern or application with mounting plate (Art. no. 60110 – 60115)

ASSEMBLING JIG

as water level with 2 plugs 1/2"

- Systems:** aquatherm green pipe aquatherm blue pipe
Material: fusiolen® PP-R
Colour: green

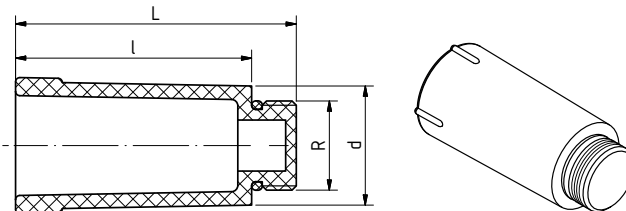


Art. no.	Weight [kg]	System	PU	Box unit	Price € pc
50700	0,252	•	•	1	

PLUG FOR PRESSURE TESTS

with gasket

- Systems:** aquatherm green pipe aquatherm blue pipe
Material: fusiolen® PP-R
Standard: DIN 16962, DIN EN ISO 15874
Colour: green

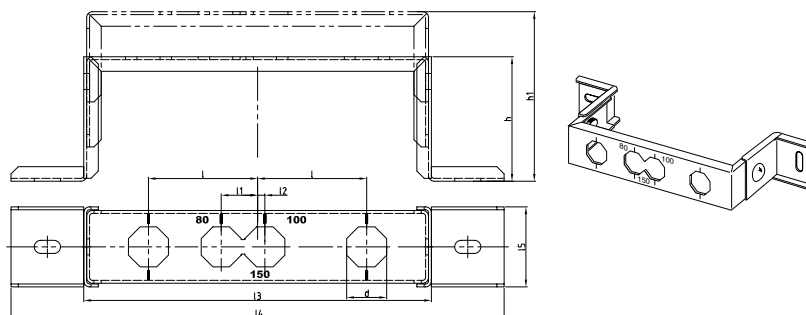


Art. no.	d [mm]	R	l [mm]	L [mm]	Weight [kg]	System	PU	Box unit	Price € pc
50708	28	1/2"	55,5	66,0	0,022	•	•	10	
50710	34	3/4"	55,5	66,0	0,027	•	•	10	

MOUNTING UNIT

double

- Systems:** aquatherm green pipe, aquatherm blue pipe
Material: iron/galvanized zinc
Colour: zinc

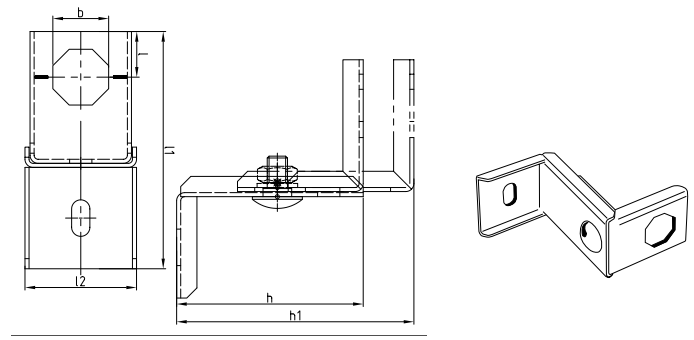


Art. no.	b [mm]	l [mm]	l1 [mm]	l2 [mm]	h [mm]	h1 [mm]	l3 [mm]	l4 [mm]	l5 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
60110	27,5	75	25	5	92,5	122,5	239	339	55	0,630	•	•	1	

MOUNTING UNIT

single

Systems: aquatherm green pipe,
aquatherm blue pipe
Material: iron/galvanized
Colour: zinc

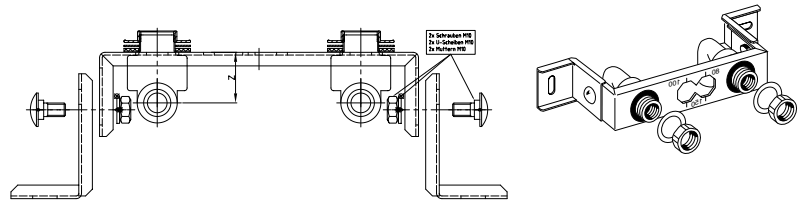


Art. no.	b [mm]	l [mm]	l1 [mm]	l2 [mm]	h [mm]	h1 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
60115	27,5	118	22,5	55	92,5	122,5	0,278	• •	1		

MOUNTING UNIT

with two aquatherm green pipe transition elbows (Art. no. 20208), with conternut, gasket and tension washer

Systems: aquatherm green pipe,
aquatherm blue pipe
Material: fusiolen® PP-R, brass
iron/galvanized
Colour: green
zinc

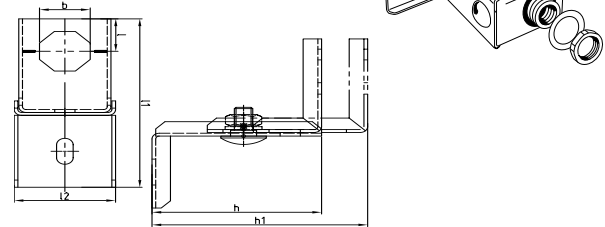


Art. no.	b [mm]	l [mm]	l1 [mm]	l2 [mm]	h [mm]	h1 [mm]	l3 [mm]	l4 [mm]	l5 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
60150	27,5	75	25	5	92,5	122,5	239	339	55	0,942	• •	1		

MOUNTING UNIT

with one aquatherm green pipe transition elbow (Art. no. 20208), with conternut, gasket and tension washer

Systems: aquatherm green pipe,
aquatherm blue pipe
Material: fusiolen® PP-R, brass
iron/galvanized
Colour: green
zinc

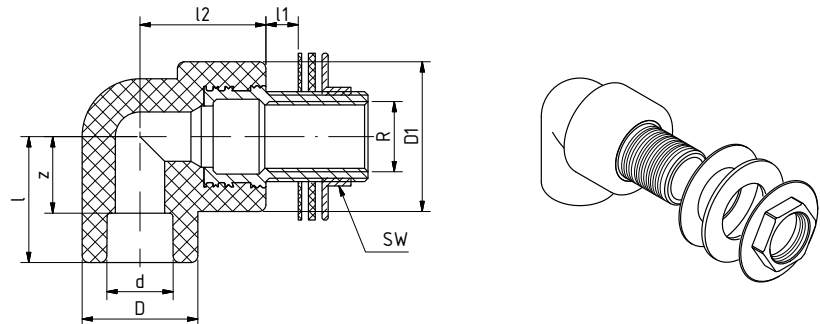


Art. no.	b [mm]	l [mm]	l1 [mm]	l2 [mm]	h [mm]	h1 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
60155	27,5	22,5	118	55	92,5	122,5	0,434	• •	1		

TRANSITION ELBOW

for plasterboard

Systems: aquatherm green pipe,
aquatherm blue pipe
Material: fusiolen® PP-R, brass
Colour: green

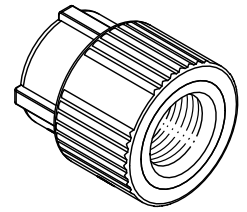
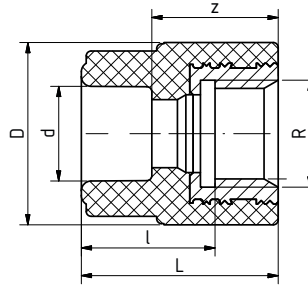


SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	D [mm]	L [mm]	l1 [mm]	D1 [mm]	SW [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6															
7.4	20210	20	1/2"	37,0	22,5	29,5	18,5	35,0	44,0	29	0,223	• •	10		
11															

with 30 mm thread, conternut, gasket and tension washer

TRANSITION PIECE WITH FEMALE THREAD

round

Systems: aquatherm green pipe,
aquatherm blue pipe**Material:** fusiolen® PP-R, brass
fusiolen® PP-R, stainless steel**Standard:** DIN 16962, DIN EN ISO 15874**Colour:** green

SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	D [mm]	L [mm]	Weight [kg]	System	PU	Box unit	Price € pc
brass												
	21006	16	1/2"	28,0	28,0	38,5	41,0	0,066	•	10		
	21008	20	1/2"	27,5	26,0	37,5	40,5	0,064	• •	10	400	
	21010	20	3/4"	27,5	26,0	43,5	40,5	0,089	• •	10	300	
	21011	25	1/2"	29,5	26,5	38,5	42,5	0,065	• •	10	400	
	21012	25	3/4"	27,5	24,5	43,5	40,5	0,087	• •	10	300	
6	21013	32	3/4"	30,5	25,5	43,5	43,5	0,092	• •	5	250	
7.4	stainless steel											
9	921008	20	1/2"	27,5	26,0	37,5	40,5	0,069	• •	10		
11	921010	20	3/4"	27,5	26,0	43,5	40,5	0,090	• •	10		
	921011	25	1/2"	29,5	26,5	38,5	42,5	0,069	• •	10		
	921012	25	3/4"	27,5	24,5	43,5	40,5	0,086	• •	10		
	921013	32	3/4"	30,5	25,5	43,5	43,5	0,092	• •	5		
	921014	32	1/2"	28,0	23,0	37,0	41,0	0,078	• •	5		

TRANSITION PIECE WITH FEMALE THREAD

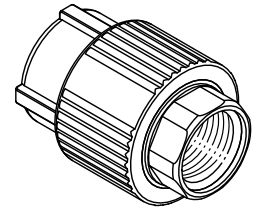
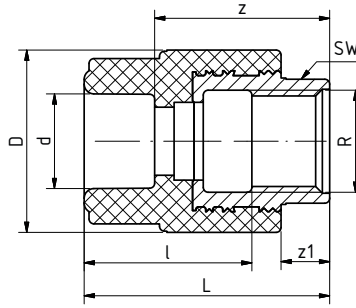
with spanner flat

Systems: **aquatherm green pipe,**
aquatherm blue pipe

Material: fusiolen® PP-R, brass
fusiolen® PP-R, stainless steel

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	z1 [mm]	D [mm]	L [mm]	SW [mm]	Weight [kg]	System	PU	Box unit	Price € pc
brass														
6 7.4 9 11	21106	16	1/2"	34,5	37,5	10,0	38,5	50,5	24	0,089	•	10		
	21108	20	1/2"	34,5	36,0	10,0	38,5	50,5	24	0,078	• •	10	400	
	21110	20	3/4"	29,0	35,5	10,0	43,5	50,0	31	0,112	• •	10	300	
	21111	25	1/2"	36,0	36,0	10,0	38,5	52,0	24	0,081	• •	10	300	
	21112	25	3/4"	29,0	34,0	10,0	43,5	50,0	31	0,109	• •	10	300	
	21113	32	3/4"	32,0	35,0	10,0	43,5	53,0	31	0,114	• •	5	250	
	21114	32	1"	37,5	41,5	14,0	60,0	59,5	39	0,239	• •	5	125	
	21115	40	1"	40,0	41,5	14,0	60,0	62,0	39	0,227	• •	5		
	21116	40	1 1/4"	40,0	42,5	15,0	74,0	63,0	50	0,385	• •	5		
	21117	50	1 1/4"	43,0	42,5	15,0	74,0	66,0	50	0,404	• •	5		
	21118	50	1 1/2"	45,0	43,5	15,0	84,0	67,0	55	0,418	• •	5		
	21119	63	1 1/2"	51,5	46,0	15,0	84,0	73,5	55	0,442	• •	1		
21120	63	2"	51,0	49,5	19,0	101,0	77,0	67	0,600	• •	1			
21122	75	2"	51,0	47,0	19,0	100,0	77,0	67	0,608	• •	1			
stainless steel														
	921114	32	1"	37,5	41,5	14,0	60,0	59,5	39	0,232	• •	5		
	921115	40	1"	40,0	41,5	14,0	60,0	62,0	39	0,219	• •	5		
	921116	40	1 1/4"	40,0	42,5	15,0	74,0	63,0	50	0,331	• •	5		
	921117	50	1 1/4"	43,0	42,5	15,0	74,0	66,0	50	0,351	• •	5		
	921118	50	1 1/2"	45,0	43,5	15,0	84,0	67,0	55	0,445	• •	5		
	921119	63	1 1/2"	51,5	46,0	15,0	84,0	73,5	55	0,425	• •	1		
	921120	63	2"	51,0	49,5	19,0	101,0	77,0	67	0,196	• •	1		
	921122	75	2"	51,0	47,0	19,0	100,0	77,0	67	0,676	• •	1		

TRANSITION PIECE WITH MALE THREAD

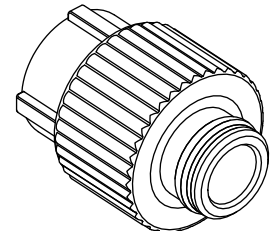
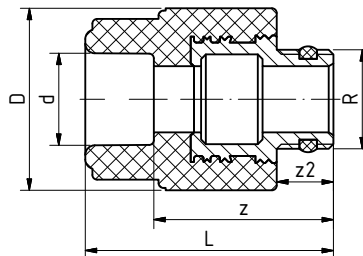
round, self sealing

Systems: **aquatherm green pipe, aquatherm blue pipe**

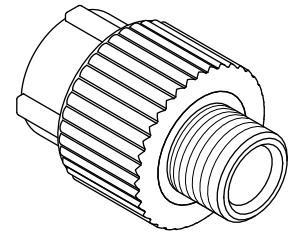
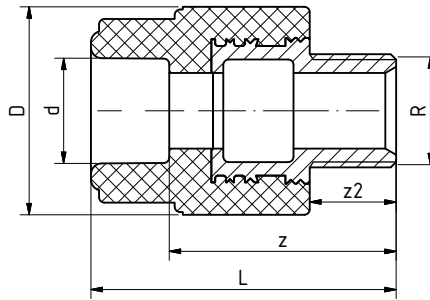
Material: fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

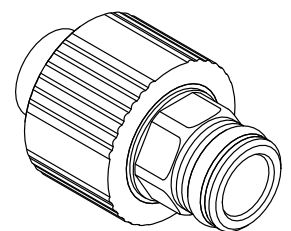
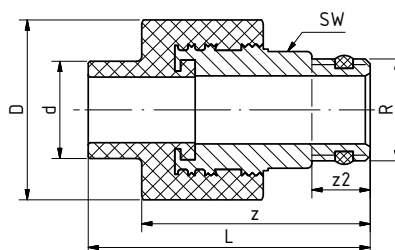
Colour: green



SDR	Art. no.	d [mm]	R	L [mm]	z [mm]	z2 [mm]	D [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6	21258	20	1/2"	52,5	38,0	12,0	38,5	0,090	• •	10		
7.4	21261	25	1/2"	54,0	38,0	12,0	38,5	0,078	• •	10		
11	21262	25	3/4"	53,5	37,5	13,0	38,5	0,085	• •	10		

TRANSITION PIECE WITH MALE THREAD*round***Systems:** aquatherm green pipe,
aquatherm blue pipe**Material:** fusiolen® PP-R, brass
fusiolen® PP-R, stainless steel**Standard:** DIN 16962, DIN EN ISO 15874**Colour:** green

SDR	Art. no.	d [mm]	R	L [mm]	z [mm]	z2 [mm]	D [mm]	Weight [kg]	System	PU	Box unit	Price € pc	
brass													
6 7.4 9 11	21206	16	1/2"	56,5	43,5	16,0	38,5	0,097	•	10			
	21208	20	1/2"	56,5	42,0	16,0	38,5	0,084	• •	10	300		
	21210	20	3/4"	57,5	43,0	17,0	38,5	0,109	• •	10	300		
	21211	25	1/2"	58,0	42,0	16,0	38,5	0,085	• •	10	300		
	21212	25	3/4"	57,5	41,5	17,0	38,5	0,090	• •	10	300		
	21213	32	3/4"	59,5	41,5	17,0	38,5	0,095	• •	5	250		
	stainless steel												
	921208	20	1/2"	56,5	42,0	16,0	38,5	0,096	• •	10			
	921210	20	3/4"	57,5	43,0	17,0	38,5	0,108	• •	10			
	921211	25	1/2"	58,0	42,0	16,0	38,5	0,098	• •	10			
921212	25	3/4"	57,5	41,5	17,0	38,5	0,108	• •	10				
921213	32	3/4"	59,5	41,5	17,0	38,5	0,115	• •	5				

TRANSITION PIECE WITH MALE THREAD*self-sealing, with hex shaped threaded transition
male/male***Systems:** aquatherm green pipe, aquatherm blue pipe**Material:** fusiolen® PP-R, brass**Standard:** DIN 16962, DIN EN ISO 15874**Colour:** green

SDR	Art. no.	d [mm]	R	L [mm]	z [mm]	z2 [mm]	D [mm]	SW [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 11	21355	20	1/2"	59,0	48,0	13,0	38,5	22	0,107	• •	10		

TRANSITION PIECE WITH MALE THREAD

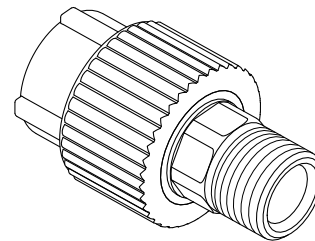
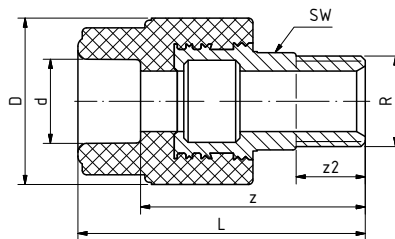
with spanner flat

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R, brass
fusiolen® PP-R, stainless steel

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art. no.	d [mm]	R	SW [mm]	L [mm]	z [mm]	z2 [mm]	D [mm]	Weight [kg]	System	PU	Box unit	Price € pc
brass													
	21306	16	1/2"	22	66,5	53,5	16,0	38,5	0,119	•		10	
	21308	20	1/2"	22	66,5	52,0	16,0	38,5	0,104	• •		10	
	21310	20	3/4"	24	67,5	53,0	17,0	38,5	0,129	• •		10	
	21311	25	1/2"	21	68,0	52,0	16,0	38,5	0,107	• •		10	
	21312	25	3/4"	24	67,5	51,5	17,0	38,5	0,103	• •		10	300
	21314	32	1"	32	78,5	60,5	20,0	53,0	0,216	• •		5	125
	21316	32	1 1/4"	42	81,0	63,0	21,0	68,0	0,318	• •		5	100
	21317	40	1"	32	81,0	60,5	20,0	52,0	0,222	• •		5	100
	21318	40	1 1/4"	42	84,5	64,0	21,0	68,0	0,324	• •		5	80
	21319	50	1 1/4"	42	85,5	62,0	21,0	68,0	0,351	• •		5	
	21320	50	1 1/2"	46	88,5	65,0	22,0	74,0	0,425	• •		5	
	21321	63	1 1/2"	46	94,5	67,0	22,0	72,5	0,467	• •		1	
6	21322	63	2"	50	102,5	75,0	23,5	84,0	0,685	• •		1	
7.4	21323	75	2"	50	102,0	72,0	23,5	84,0	0,733	• •		1	
9	21324	75	2 1/2"	65	105,0	75,0	26,7	100,0	0,970	• •		1	
11	21325	90	3"	85	121,0	88,0	30,0	120,0	1,326	• •		1	
	21327	110	4"	105	148,0	111,0	39,0	147,0	2,730	• •		1	
stainless steel													
	921314	32	1"	32	78,5	60,5	20,0	53,0	0,204	• •		5	
	921316	32	1 1/4"	41	81,0	63,0	21,0	68,0	0,360	• •		5	
	921317	40	1"	32	81,0	60,5	20,0	52,0	0,251	• •		5	
	921318	40	1 1/4"	41	84,5	64,0	21,0	68,0	0,362	• •		5	
	921319	50	1 1/4"	41	85,5	62,0	21,0	68,0	0,389	• •		5	
	921320	50	1 1/2"	46	88,5	65,0	22,0	74,0	0,480	• •		5	
	921321	63	1 1/2"	46	94,5	67,0	22,0	72,5	0,523	• •		1	
	921322	63	2"	50	102,5	75,0	23,5	84,0	0,708	• •		1	
	921323	75	2"	50	102,0	72,0	23,5	84,0	0,699	• •		1	

TRANSITION PIECE WITH MALE THREAD

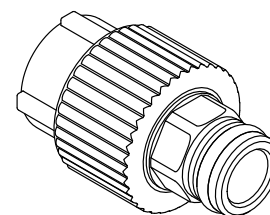
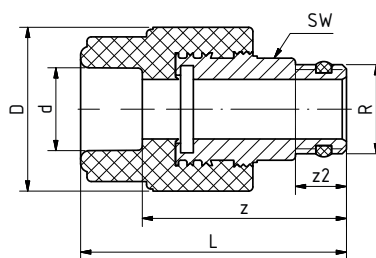
self-sealing, with hex shaped threaded transition female/male

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art. no.	d [mm]	R	L [mm]	z [mm]	z2 [mm]	D [mm]	SW [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6	21356	16	1/2"	63,5	50,5	13,0	38,5	22	0,112	•		10	
7.4	21358	20	1/2"	63,5	49,0	13,0	38,5	22	0,111	• •		10	

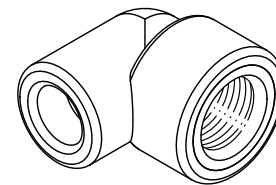
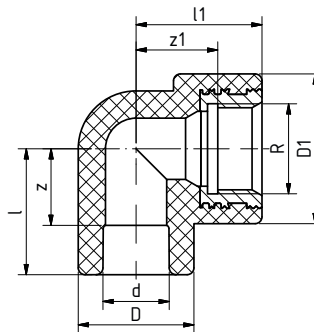
TRANSITION ELBOW WITH FEMALE THREAD

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R, brass
fusiolen® PP-R, stainless steel

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	D [mm]	l1 [mm]	z1 [mm]	D1 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
brass														
	23006	16	1/2"	31,5	18,5	29,5	37,0	24,0	37,0	0,072	•		10	
	23008	20	3/4"	37,0	22,5	34,0	37,0	24,0	44,0	0,102	•	•	10	
	23010	20	1/2"	31,0	16,5	29,5	31,5	18,5	37,0	0,076	•	•	10	300
	23012	25	3/4"	37,0	21,0	34,0	37,0	24,0	44,0	0,100	•	•	10	200
	23014	25	1/2"	33,5	17,5	34,0	31,5	18,5	37,0	0,075	•	•	10	250
	23016	32	3/4"	27,5	9,5	43,0	51,0	38,0	44,0	0,104	•	•	5	
6	23018	32	1"	34,0	16,0	43,0	66,5	44,5	60,5	0,249	•	•	5	
7.4	stainless steel													
9	923008	20	3/4"	37,0	22,5	29,5	37,0	24,0	37,0	0,095	•	•	10	
11	923010	20	1/2"	31,0	16,5	29,5	31,5	18,5	37,0	0,081	•	•	10	
	923012	25	3/4"	37,0	21,0	34,0	37,0	24,0	44,0	0,101	•	•	10	
	923014	25	1/2"	33,5	17,5	34,0	31,5	18,5	37,0	0,082	•	•	10	
	923015	32	1/2"	35,0	17,0	43,0	37,0	24,0	37,0	0,112	•	•	5	
	923016	32	3/4"	27,5	9,5	43,0	51,0	38,0	44,0	0,097	•	•	5	
	923018	32	1"	34,0	16,0	43,0	66,5	44,5	60,5	0,240	•	•	5	

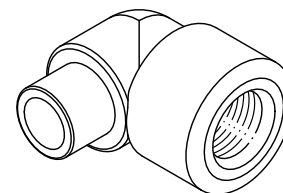
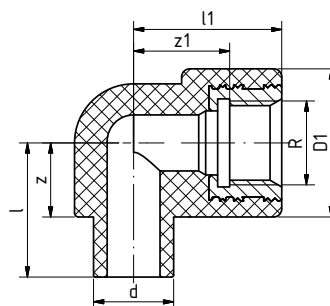
TRANSITION ELBOW WITH FEMALE THREAD

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	l1 [mm]	z1 [mm]	D1 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6													
7.4	23208	20	1/2"	33,5	18,5	37,0	24,0	37,0	0,076	•	•	10	
11													

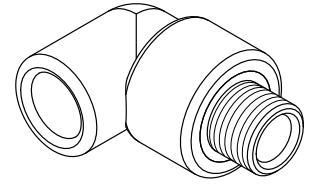
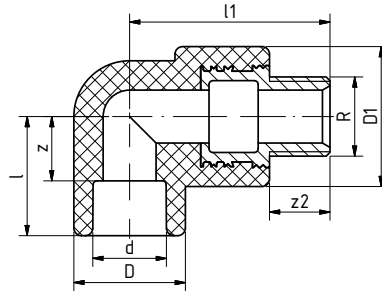
TRANSITION ELBOW WITH MALE THREAD

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R, brass
fusiolen® PP-R, stainless steel

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art. no.	d [mm]	R	l [mm]	l1 [mm]	z [mm]	z2 [mm]	D [mm]	D1 [mm]	Weight [kg]	System	PU	Box unit	Price € pc	
brass															
6 7.4 9 11	23504	16	1/2"	31,5	53,0	18,5	16,0	29,5	37,0	0,109	•		10		
	23506	20	1/2"	31,5	53,0	17,0	16,0	29,5	37,0	0,108	•	•	10		
	23508	20	3/4"	31,5	54,0	17,0	17,0	34,0	38,0	0,128	•	•	10		
	23510	25	3/4"	31,5	54,0	15,5	17,0	34,0	38,0	0,104	•	•	10		
	23512	32	3/4"	27,5	68,0	9,5	17,0	43,0	38,0	0,112	•	•	5		
	23514	32	1"	31,0	85,5	13,0	20,0	43,0	52,0	0,231	•	•	5		
	stainless steel														
	923506	20	1/2"	31,5	53,0	17,0	16,0	29,5	37,0	0,035	•	•	10		
	923508	20	3/4"	31,5	54,0	17,0	17,0	34,0	38,0	0,123	•	•	10		
	923510	25	3/4"	31,5	54,0	15,5	17,0	34,0	38,0	0,121	•	•	10		
	923512	32	3/4"	27,5	68,0	9,5	17,0	43,0	38,0	0,128	•	•	5		

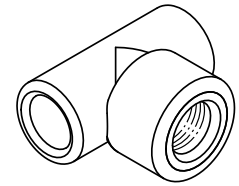
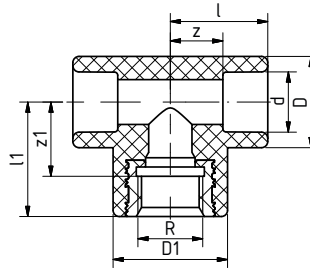
THREADED BRANCH TEE WITH FEMALE THREAD

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R, brass
fusiolen® PP-R, stainless steel

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	D [mm]	l1 [mm]	z1 [mm]	D1 [mm]	Weight [kg]	System	PU	Box unit	Price € pc	
brass															
6 7.4 9 11	25004	16	1/2"	31,5	18,5	29,5	37,0	24,0	37,0	0,089	•		10		
	25006	20	1/2"	31,5	17,0	29,5	37,0	24,0	37,0	0,086	•	•	10	200	
	25008	20	3/4"	37,0	22,5	34,0	37,0	24,0	44,0	0,121	•	•	10	170	
	25010	25	1/2"	34,0	18,0	34,0	38,0	25,0	37,0	0,090	•	•	10	150	
	25012	25	3/4"	37,0	21,0	34,0	37,0	24,0	44,0	0,109	•	•	10	150	
	25013	32	1/2"	35,0	17,0	43,0	37,0	24,0	37,0	0,103	•	•	5		
	25014	32	3/4"	27,5	9,5	43,0	51,0	38,0	44,0	0,111	•	•	5		
	25016	32	1"	31,5	13,5	43,0	67,0	45,0	60,0	0,255	•	•	5		
	25018	40	1/2"	42,0	21,5	52,0	40,0	27,0	37,0	0,142	•	•	5		
	25019	40	3/4"	40,5	20,0	52,0	40,5	27,5	52,0	0,147	•	•	5		
	25020	40	1"	41,5	21,0	52,0	56,0	34,0	60,0	0,276	•	•	5		
	25022	50	1"	49,5	26,0	68,0	63,5	41,5	60,0	0,385	•	•	5		
	25030	50	1/2"	49,5	26,0	68,0	44,5	31,5	43,0	0,237	•	•	5		
	25031	50	3/4"	49,5	26,0	68,0	44,5	31,5	43,0	0,243	•	•	5		
	stainless steel														
	925006	20	1/2"	31,5	17,0	29,5	37,0	24,0	37,0	0,087	•	•	10		
925008	20	3/4"	37,0	22,5	34,0	37,0	24,0	44,0	0,108	•	•	10			
925010	25	1/2"	34,5	18,5	34,0	38,0	25,0	37,0	0,093	•	•	10			
925012	25	3/4"	37,0	21,0	34,0	37,0	24,0	44,0	0,111	•	•	10			
925013	32	1/2"	35,0	17,0	43,0	37,0	24,0	37,0	0,113	•	•	5			
925014	32	3/4"	27,5	9,5	43,0	51,0	38,0	44,0	0,111	•	•	5			
925016	32	1"	31,5	13,5	43,0	67,0	45,0	60,0	0,082	•	•	5			

NOTICE: aquatherm green pipe metal compound fittings are manufactured from fusiolen® PP-R and brass. Metal inserts, without hex shaped spanner flat, with 1/2" and 3/4" f are also available in stainless steel.

Официальный представитель завода: Группа Компаний Агпайп
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THREADED BRANCH TEE WITH MALE THREAD

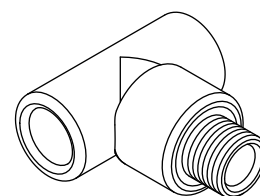
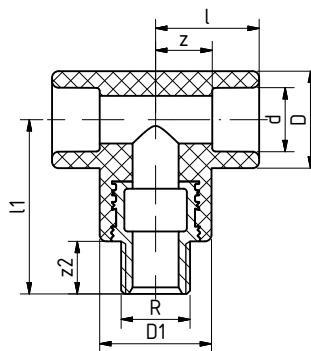
Systems: aquatherm green pipe,

aquatherm blue pipe

Material: fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	D [mm]	z2 [mm]	D1 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6													
7.4	25506	20	1/2"	31,5	17,0	29,5	16,0	37,0	0,102	• •		10	
11													

TRANSITION COUPLING WITH MALE THREAD

with union nut and welding socket

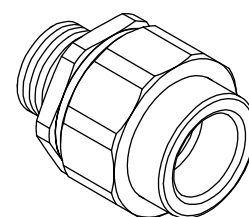
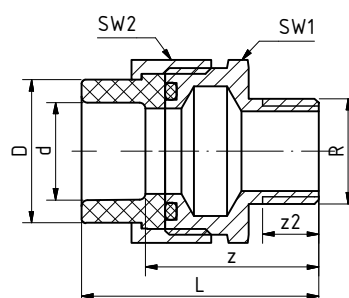
Systems: aquatherm green pipe,

aquatherm blue pipe

Material: fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art. no.	d [mm]	R	L [mm]	z [mm]	z2 [mm]	D [mm]	SW1 [mm]	SW2 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
	26608	20	1/2"	52,5	38,0	13,5	27,5	34	36	0,145	• •		1	
	26610	25	3/4"	59,5	43,5	14,5	36,0	42	46	0,243	• •		1	
6														
7.4	26612	32	1"	64,5	46,5	16,8	41,5	48	52	0,336	• •		1	
9														
11	26614	40	1 1/4"	70,0	49,5	19,1	53,0	60	64	0,517	• •		1	
	26616	50	1 1/2"	84,8	61,3	22,0	59,0	48	72	0,624	• •		1	
	26618	63	2"	95,5	68,0	25,0	74,0	62	89	1,045	• •		1	

TRANSITION COUPLING WITH FEMALE THREAD

with union nut and welding socket

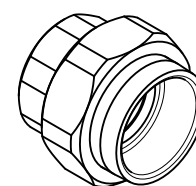
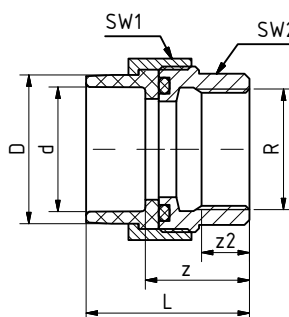
Systems: aquatherm green pipe,

aquatherm blue pipe

Material: fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art. no.	d [mm]	R	z [mm]	z2 [mm]	D [mm]	L [mm]	SW1 [mm]	SW2 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
	26638	20	1/2"	30,5	15,0	27,5	45,0	36	24	0,112	• •		1	
	26640	25	3/4"	33,0	15,5	36,0	49,0	46	32	0,193	• •		1	
6														
7.4	26642	32	1"	36,0	15,0	41,5	54,0	52	40	0,291	• •		1	
9														
11	26644	40	1 1/4"	36,0	20,0	53,0	56,5	64	47	0,423	• •		1	
	26646	50	1 1/2"	41,3	19,0	59,0	64,8	72	57	0,610	• •		1	
	26648	63	2"	47,0	18,0	74,0	74,5	89	68	0,924	• •		1	

Notice: aquatherm green pipe metal compound fittings are manufactured from fusiolen® PP-R and brass. Metal inserts, without hex shaped spanner flat, with 1/2" and 3/4" f are also available in stainless steel.

LOOSE NUT ADAPTER

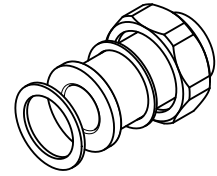
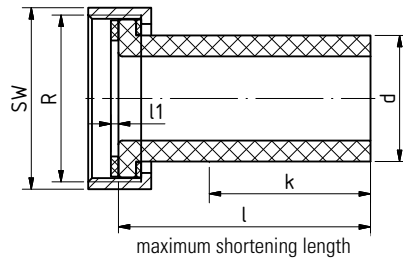
length: 100 mm, with gasket

Systems: aquatherm green pipe, aquatherm blue pipe

Material: fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art. no.	d [mm]	Nut R	l [mm]	l1 [mm]	k [mm]	SW [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 9 11	26708	20	1"	100,0	3,0	65,0	36	0,079	• •	1		
	26710	25	1 1/4"	100,0	3,0	62,0	46	0,104	• •	1		
	26712	32	1 1/2"	100,0	3,0	58,0	52	0,175	• •	1		
	26714	40	2"	100,0	3,0	53,0	64	0,258	• •	1		
	26716	50	2 1/4"	100,0	3,0	49,0	72	0,344	• •	1		
	26718	63	2 3/4"	100,0	3,0	43,0	89	0,583	• •	1		
	26720	75	3 1/2"	100,0	3,0	34,0	110	0,918	• •	1		
	26722	90	4"	100,0	3,0	26,0	120	1,238	• •	1		

WATER METER NUT ADAPTER

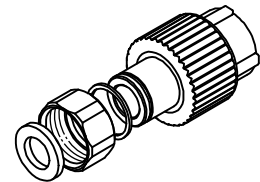
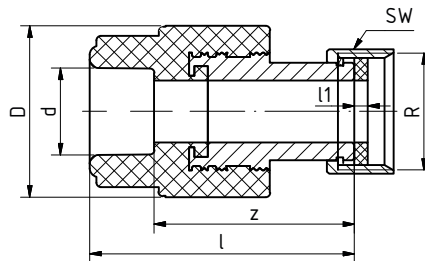
with gasket

Systems: aquatherm green pipe, aquatherm blue pipe

Material: fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art. no.	d [mm]	l [mm]	l1 [mm]	z [mm]	D [mm]	R	SW [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6	26808	20	59,5	3,0	45,0	38,5	3/4"	30	0,136	• •	1		
7,4 9	26810	25	61,0	3,0	45,0	38,5	3/4"	30	0,155	• •	1		
11	26812	32	62,0	3,0	44,0	43,5	3/4"	30	0,162	• •	1		

NUT ADAPTER

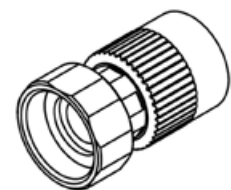
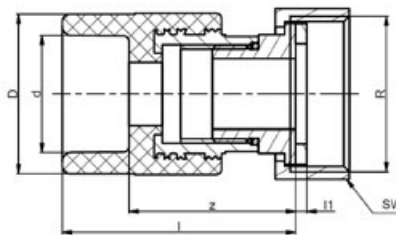
ISO-standard

Systems: aquatherm green pipe, aquatherm blue pipe

Material: fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art. no.	d [mm]	Nut R	l [mm]	l1 [mm]	z [mm]	D [mm]	SW [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 9 11	27010	20	1"	58,5	3,0	34,0	38,5	36	0,182	• •	10		
	27011	25	1"	60,0	3,0	44,0	38,5	36	0,186	• •	10		
	27012	25	1 1/4"	60,0	3,0	44,0	43,5	46	0,274	• •	10		
	27013	32	1 1/4"	63,0	3,0	45,0	43,5	46	0,279	• •	5		
	27014	32	1 1/2"	69,5	3,0	51,5	60,0	52	0,446	• •	5		
	27015	40	1 1/2"	72,0	3,0	51,5	60,0	52	0,421	• •	5		
	27016	40	2"	72,0	3,0	51,5	74,0	64	0,719	• •	5		
	27017	50	2"	75,0	3,0	51,5	74,0	64	0,736	• •	5		
	27018	50	2 1/4"	77,0	3,0	53,5	84,0	72	0,831	• •	5		
	27019	63	2 1/4"	83,5	3,0	56,0	84,0	72	0,889	• •	1		
	27020	63	2 3/4"	82,5	3,0	55,0	101,0	89	1,306	• •	1		
	27021	75	2 3/4"	85,0	3,0	55,0	100,0	89	1,275	• •	1		
	27022	75	3 1/2"	91,0	3,0	61,0	100,0	110	1,818	• •	1		

COUNTERPART

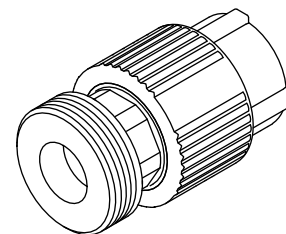
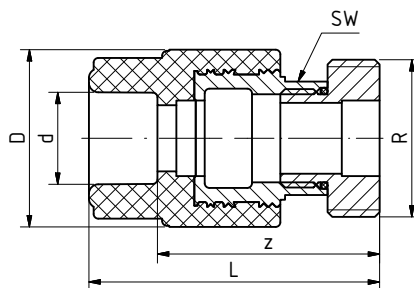
with welding socket and male thread for ISO-standard adapter

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



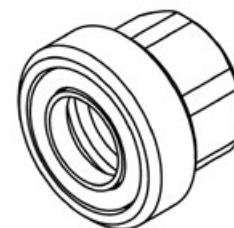
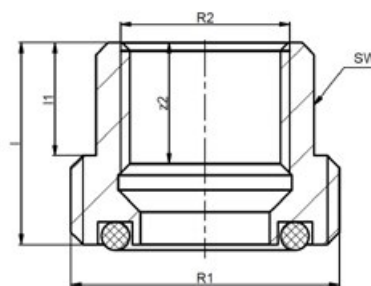
SDR	Art. no.	d [mm]	Thread R	L [mm]	z [mm]	D [mm]	SW [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 9 11	27310	20	1"	61,5	47,0	37,5	24	0,151	• •	10		
	27311	25	1"	63,0	47,0	37,5	24	0,153	• •	10		
	27312	25	1 1/4"	63,0	47,0	43,5	31	0,221	• •	10		
	27313	32	1 1/4"	66,0	48,0	43,5	31	0,226	• •	5		
	27314	32	1 1/2"	76,5	58,5	60,0	39	0,408	• •	5		
	27315	40	1 1/2"	79,0	58,5	60,0	39	0,414	• •	5		
	27316	40	2"	79,0	58,5	74,0	50	0,650	• •	5		
	27317	50	2"	82,0	58,5	74,0	50	0,634	• •	5		
	27318	50	2 1/4"	83,0	59,5	84,0	55	0,750	• •	5		
	27319	63	2 1/4"	89,5	62,0	84,0	55	0,728	• •	1		
	27320	63	2 3/4"	95,0	65,5	101,0	67	1,093	• •	1		
	27321	75	2 3/4"	95,0	65,0	100,0	67	1,117	• •	1		
27322	75	3 1/2"	100,0	70,0	100,0	67	1,436	• •	1			

BRASS COUNTERPART

with female thread, for ISO-standard adapter/loose nut adapter

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: brass



SDR	Art. no.	Male thread R1	Female thread R2	L [mm]	l1 [mm]	z2 [mm]	SW [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 9 11	27510	1"	1/2"	25,0	14,0	15,0	25	0,063	• •	10		
	27512	1 1/4"	3/4"	26,0	12,5	14,0	32	0,119	• •	10		
	27514	1 1/2"	1"	31,0	15,0	17,0	40	0,175	• •	5		
	27516	2"	1 1/4"	33,0	17,0	22,0	47	0,263	• •	5		
	27518	2 1/4"	1 1/2"	36,0	20,0	19,0	57	0,333	• •	5		
	27520	2 3/4"	2"	42,0	24,0	24,0	68	0,517	• •	1		
	27522	3 1/2"	2 1/2"	46,0	24,0	27,0	84	0,801	• •	1		
	27524	4"	3"	46,0	27,0	27,0	97	0,943	• •	1		

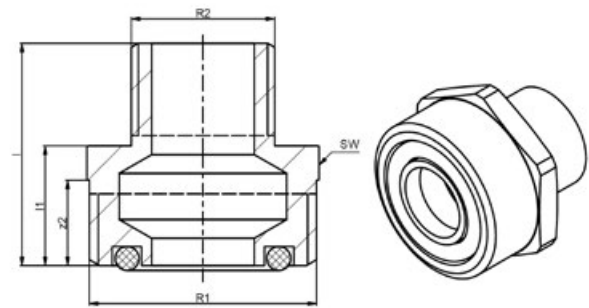
Notice: aquatherm green pipe metal compound fittings are manufactured from fusiolen® PP-R and brass. Metal inserts, without hex shaped spanner flat, with 1/2" and 3/4" f are also available in stainless steel.

BRASS COUNTERPART

with male thread, for ISO-standard adapter/loose nut adapter

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: brass



SDR	Art. no.	Thread R1	Thread R2	L [mm]	l1 [mm]	z2 [mm]	SW [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 9 11	27710	1"	1/2"	32,5	17,5	10,5	34	0,109	• •	10		
	27712	1 1/4"	3/4"	38,5	21,0	12,5	42	0,188	• •	10		
	27714	1 1/2"	1"	41,5	22,5	13,5	48	0,211	• •	5		
	27716	2"	1 1/4"	44,5	22,5	13,0	60	0,363	• •	5		
	27718	2 1/4"	1 1/2"	56,0	34,0	16,0	48	0,472	• •	5		
	27720	2 3/4"	2"	63,0	38,0	16,0	62	0,803	• •	1		
	27722	3 1/2"	2 1/2"	70,0	42,0	22,0	82	1,189	• •	1		
	27724	4"	3"	74,0	42,0	22,0	97	1,398	• •	1		

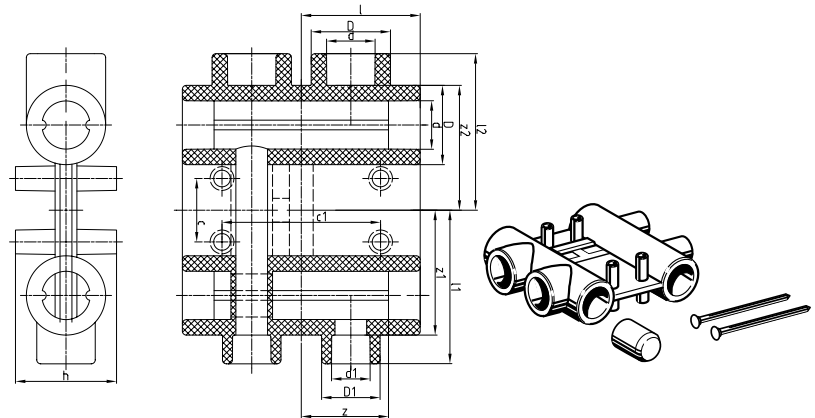
DISTRIBUTION BLOCK PLUMBING

including 1 plug and 2 fastenings

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Colour: green



SDR	Art. no.	d [mm]	l [mm]	z [mm]	D [mm]	d1 [mm]	l1 [mm]	z1 [mm]	D1 [mm]	l2 [mm]	z2 [mm]	c [mm]	c1 [mm]	cl [mm]	l3 [mm]	h [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 11	30115	25	60	44	40	20	77,5	63	29,5	79	63	32	80	100	36	51	0,273	• •	1		

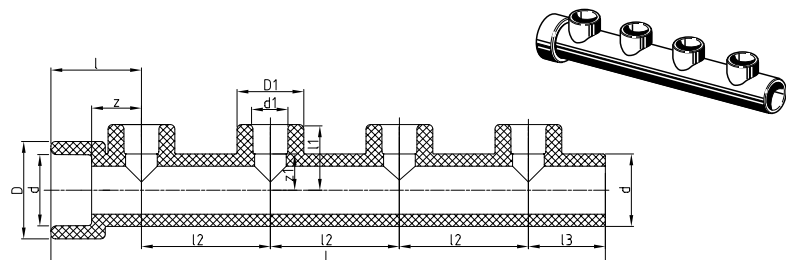
FOUR-PORT MANIFOLD

length: 246 mm, with 4 branches

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Colour: green



SDR	Art. no.	d [mm]	d1 [mm]	l [mm]	z [mm]	D [mm]	l1 [mm]	z1 [mm]	D1 [mm]	l2 [mm]	l3 [mm]	L [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4	30602	32	16	40	22	43	29	16	29,5	57	36	245	0,148	•	1		
9 11	30604	32	20	40	22	43	29	14,5	29,5	57	36	245	0,134	• •	1		

The four-port manifold can be shortened or extended by fusion with further four-port manifolds, if required.

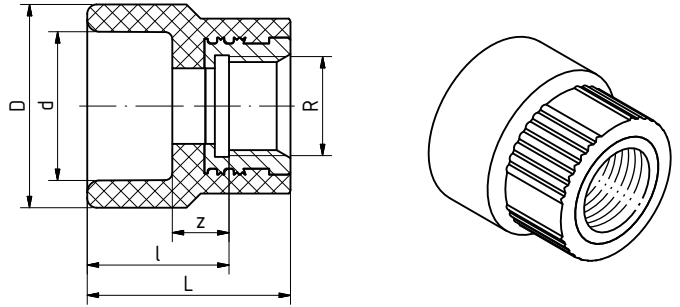
MANIFOLD END PIECE WITH FEMALE THREAD*

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	D [mm]	L [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 9 11	30804	32	1/2"	30,0	12,0	43,0	43,0	0,073	• •	1		

* transition piece as manifold endpiece with female thread

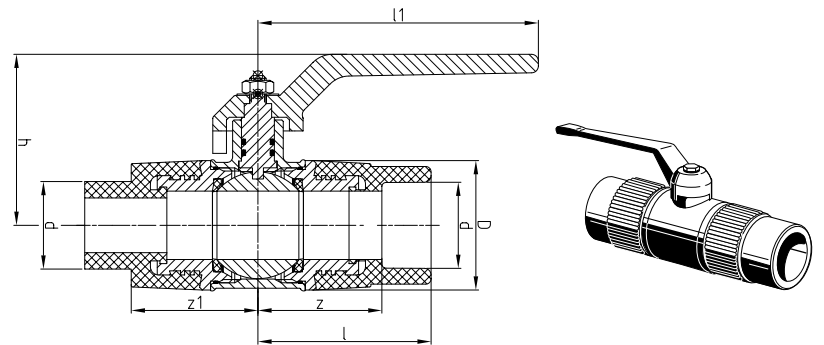
BALL VALVE FOR MANIFOLD

female/male

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R, brass

Colour: green



SDR	Art. no.	d [mm]	l [mm]	z [mm]	D [mm]	z1 [mm]	h [mm]	l1 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 9 11	78000	32	63,0	45,0	47,5	46,5	78,0	108,0	0,575	• •	2		

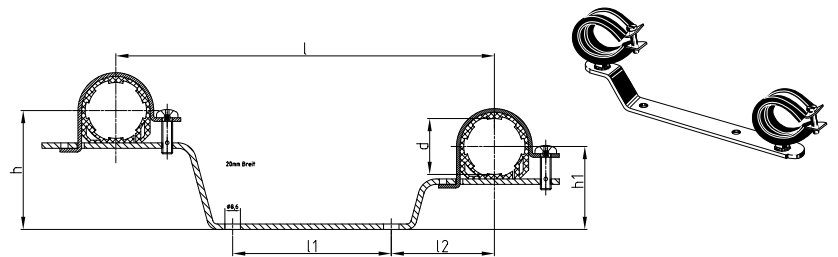
SUPPORTING STRAP FOR FOUR-PORT MANIFOLD

with clamps, galvanized, double

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: steel/galvanized

Colour: zinc



Art. no.	d [mm]	l [mm]	l1 [mm]	l2 [mm]	h [mm]	h1 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
60210	32	210,0	80,0	57,0	66,0	46,0	0,226	• •	2		

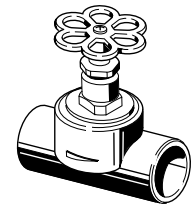
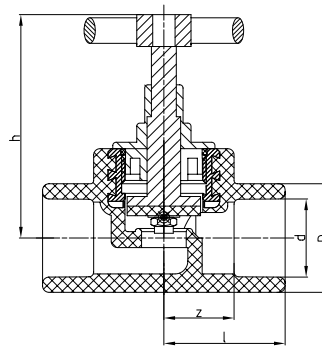
GLOBE VALVE

for surface installation

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R, brass

Colour: green



SDR	Art. no.	d [mm]	l [mm]	z [mm]	D [mm]	h [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6	40808	20	35,0	20,5	29,5	75,3	0,165	• •	1	100	
7.4	40810	25	38,0	22,0	34,0	75,0	0,172	• •	1	100	
9	40812	32	49,0	31,0	43,0	97,0	0,314	• •	1	60	
11	40814	40	60,0	39,5	52,0	111,5	0,585	• •	1		

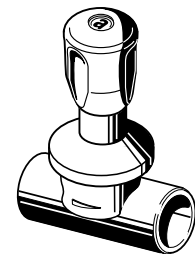
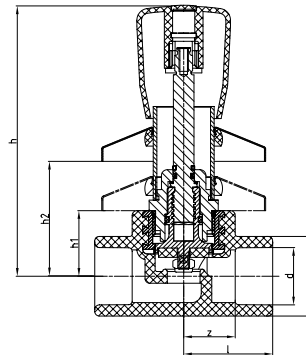
CONCEALED VALVE

chromium plated

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R, brass

Colour: green



SDR	Art. no.	d [mm]	l [mm]	z [mm]	D [mm]	h [mm]	h1 [mm]	h2 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6	40858	20	35,0	20,5	29,5	116,0	28,0	59,0	0,319	• •	1		
7.4	40860	25	38,0	22,0	34,0	116,0	28,0	59,0	0,330	• •	1		
9	40862	32	49,0	31,0	43,0	121,0	34,0	59,0	0,416	• •	1		

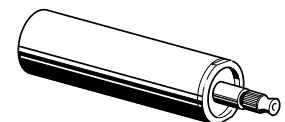
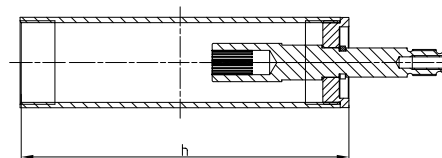
EXTENSION FOR CONCEALED VALVE

chromium-plated for Art. no. 40858 – 40862

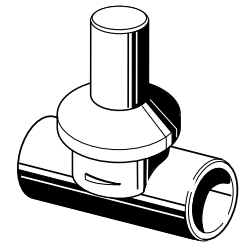
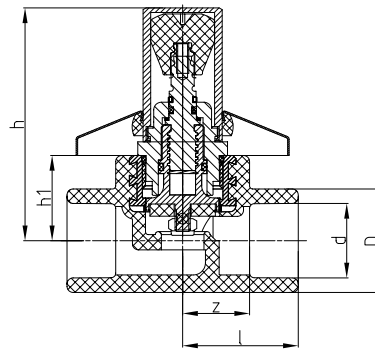
Systems: aquatherm green pipe,
aquatherm blue pipe

Material: brass

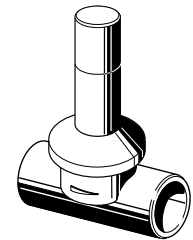
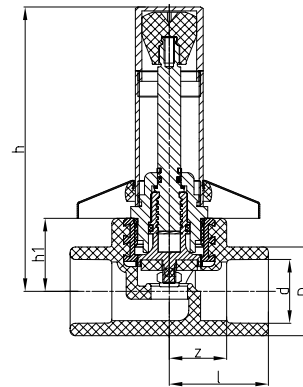
Colour: chrom



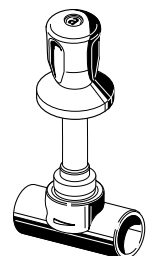
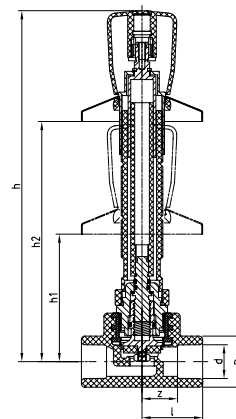
Art. no.	h [mm]	Weight [kg]	System	PU	Box unit	Price € pc
40900	92,0	0,148	• •	1		
40902	132,0	0,209	• •	1		

CONCEALED VALVE*tamper proof/chromium-plated/short design***Systems:** aquatherm green pipe,
aquatherm blue pipe**Material:** fusiolen® PP-R, brass**Colour:** green, chrom

SDR	Art. no.	d [mm]	l [mm]	z [mm]	D [mm]	h [mm]	h1 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6	40868	20	35,0	20,5	29,5	71,5	28,0	0,258	• •	1	50	
7.4	40870	25	38,0	22,0	34,0	72,0	28,0	0,288	• •	1		
9												
11	40872	32	49,0	31,0	43,0	82,5	34,0	0,376	• •	1		

CONCEALED VALVE*tamper proof, chromium-plated, long design***Systems:** aquatherm green pipe,
aquatherm blue pipe**Material:** fusiolen® PP-R, brass**Colour:** green, chrom

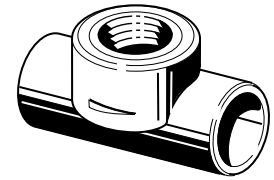
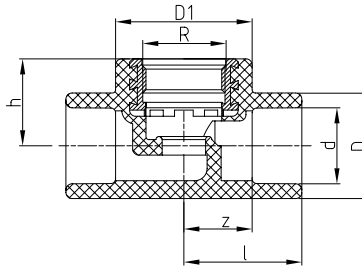
SDR	Art. no.	d [mm]	l [mm]	z [mm]	D [mm]	h [mm]	h1 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6	40888	20	35,0	20,5	29,5	109,0	28,0	0,342	• •	1		
7.4	40890	25	38,0	22,0	34,0	109,0	28,0	0,350	• •	1		
9												
11	40892	32	49,0	31,0	43,0	115,0	34,0	0,432	• •	1		

CONCEALED VALVE*suitable for construction depth of 55 mm to 100 mm***Systems:** aquatherm green pipe,
aquatherm blue pipe**Material:** fusiolen® PP-R, brass**Colour:** green, chrom

SDR	Art. no.	d [mm]	l [mm]	z [mm]	D [mm]	h [mm]	h1 [mm]	h2 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6	40878	20	35,0	20,5	29,5	213,0	59,0	147,0	0,357	• •	1		
7.4	40880	25	38,0	22,0	34,0	213,0	59,0	147,0	0,369	• •	1		
9													
11	40882	32	49,0	31,0	43,0	219,0	65,0	153,0	0,455	• •	1		

STOP VALVE BODY

Systems: aquatherm green pipe,
aquatherm blue pipe
Material: fusiolen® PP-R, brass
Colour: green

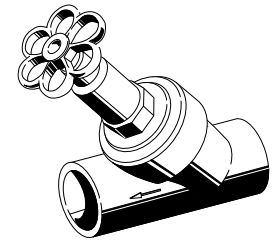
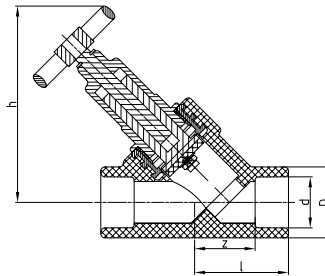


SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	D [mm]	h [mm]	D1 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6	40908	20	3/4"	35,0	20,0	29,5	28,0	44,0	0,082	• •	1		
7.4	40910	25	3/4"	38,0	22,0	34,0	28,0	44,0	0,101	• •	1		
9	40912	32	1"	49,0	31,0	43,0	34,0	52,0	0,146	• •	1		
11	40914	40	1 1/4"	60,0	39,5	52,0	41,0	69,0	0,313	• •	1		

INCLINED VALVE

without drain

Systems: aquatherm green pipe,
aquatherm blue pipe
Material: fusiolen® PP-R, brass
Colour: green

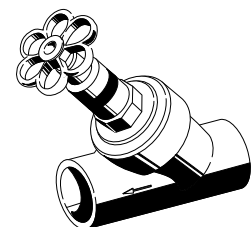
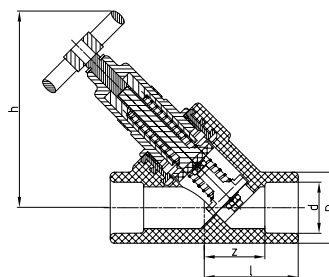


SDR	Art. no.	d [mm]	l [mm]	z [mm]	D [mm]	h [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6	41108	20	45,0	30,5	34,0	95,5	0,294	• •	1		
7.4	41110	25	45,0	29,0	34,0	95,5	0,283	• •	1		
9	41112	32	56,0	38,0	43,0	111,5	0,421	• •	1		
11	41114	40	65,0	44,5	52,0	135,0	0,834	• •	1		

NON-RETURN VALVE

without drain

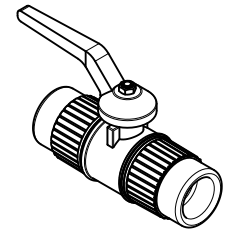
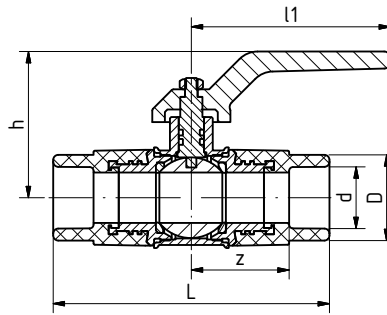
Systems: aquatherm green pipe,
aquatherm blue pipe
Material: fusiolen® PP-R, brass
Colour: green



SDR	Art. no.	d [mm]	l [mm]	z [mm]	D [mm]	h [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6	41208	20	45,0	30,5	34,0	95,5	0,297	• •	1		
7.4	41210	25	45,0	29,0	34,0	95,5	0,292	• •	1		
9	41212	32	56,0	38,0	43,0	111,5	0,432	• •	1		
11	41214	40	65,0	44,5	52,0	135,0	0,840	• •	1		

BALL VALVE PP/BRASS

Systems: aquatherm green pipe,
aquatherm blue pipe
Material: fusiolen® PP-R, brass
Colour: green

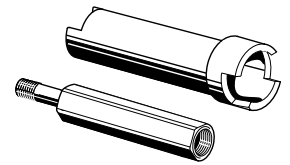
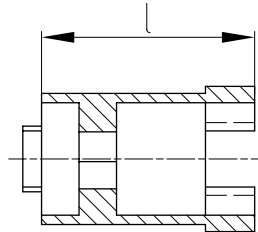


SDR	Art. no.	d [mm]	L [mm]	z [mm]	D [mm]	h [mm]	l1 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 9 11	41308	20	110,00	40,50	29,50	56,00	79,00	0,280	• •	1		
	41310	25	110,00	39,00	34,00	58,00	79,00	0,375	• •	1		
	41312	32	127,00	45,50	43,00	66,00	103,00	0,592	• •	1		
	41314	40	145,00	52,00	52,00	71,00	104,00	1,015	• •	1		
	41316	50	167,00	60,00	68,00	79,00	140,00	1,689	• •	1		
	41318	63	205,00	75,00	84,00	88,00	140,00	2,874	• •	1		

EXTENSION FOR AQUATHERM GREEN PIPE BALL VALVE

chromium-plated for Art. no. 41308 – 41318

Systems: aquatherm green pipe,
aquatherm blue pipe
Material: brass
Colour: chrom

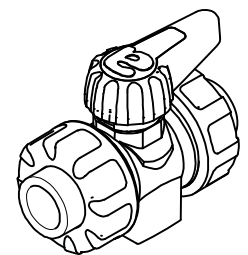
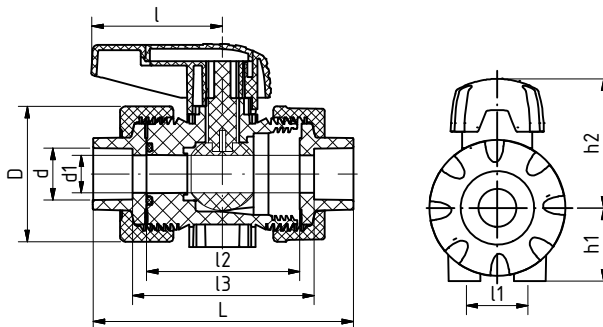


Art. no.	l [mm]	for Art. no.	Weight [kg]	System	PU	Box unit	Price € pc
41378	35,0	41308-41310	0,120	• •	1		
41382	35,0	41312-41314	0,120	• •	1		
41386	46,0	41316-41318	0,273	• •	1		

PP-BALL VALVE

with union nut and welding socket

Systems: aquatherm green pipe,
aquatherm blue pipe
Material: fusiolen® PP-R
Colour: green



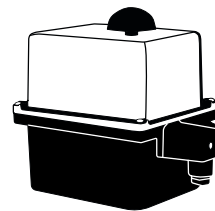
SDR	Art. no.	d [mm]	d1 [mm]	D [mm]	h1 [mm]	h2 [mm]	l1 [mm]	l2 [mm]	l3 [mm]	L [mm]	l [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 9 11	41488	20	13,5	50,3	27,0	48,0	25,0	56,5	68,0	97,0	48,0	0,118	• •	1		
	41490	25	18,5	59,0	30,0	56,5	25,0	65,5	78,0	110,0	59,0	0,184	• •	1		
	41492	32	23,9	70,3	40,0	64,5	26,0	72,0	84,5	120,5	59,0	0,274	• •	1		
	41494	40	31,0	85,9	46,0	83,3	45,0	85,0	100,0	141,0	63,5	0,483	• •	1		
	41496	50	38,5	99,5	55,0	89,4	45,0	89,0	107,0	154,0	63,5	0,648	• •	1		
	41498	63	50,0	125,5	70,0	115,0	45,0	101,0	118,0	173,0	108,0	1,206	• •	1		

Also suitable for vacuum pipes.

Официальный представитель завода: Группа Компаний Агпайп
WWW.AGPIPE.RU +7 (495) 928-0008 INFO@AGPIPE.RU

ELECTRICAL DRIVE FOR BALL VALVE ◀

incl. fixtures
For Art. no. 41488 – 41498



Systems: aquatherm green pipe,
aquatherm blue pipe

Colour: black/red

Art. no.	Dimension [mm]	for Art. no.	Weight [kg]	System	PU	Box unit	Price € pc
<i>230 Volt</i>							
41489	20	incl. fixtures for 41488	1,500	• •	1		
41491	25	incl. fixtures for 41490	1,600	• •	1		
41493	32	incl. fixtures for 41492	1,600	• •	1		
41495	40	incl. fixtures for 41494	1,600	• •	1		
41497	50	incl. fixtures for 41496	1,700	• •	1		
41499	63	incl. fixtures for 41498	1,700	• •	1		
<i>24 Volt</i>							
41589	20	incl. fixtures for 41488	1,500	• •	1		
41591	25	incl. fixtures for 41490	1,600	• •	1		
41593	32	incl. fixtures for 41492	1,600	• •	1		
41595	40	incl. fixtures for 41494	1,600	• •	1		
41597	50	incl. fixtures for 41496	1,700	• •	1		
41599	63	incl. fixtures for 41498	1,700	• •	1		

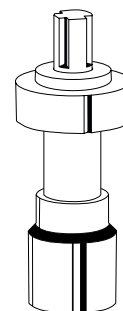
EXTENSION FOR BALL VALVE

For Art. no. 41488 – 41498

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: PVC

Colour: grey



Art. no.	l [mm]	for Art. no.	Weight [kg]	System	PU	Box unit	Price € pc
98900	100	41488	0,020	• •	1		
98901	100	41490/41492	0,025	• •	1		
98902	100	41494/41496	0,030	• •	1		
98903	100	41498	0,125	• •	1		

Delivery time: on request

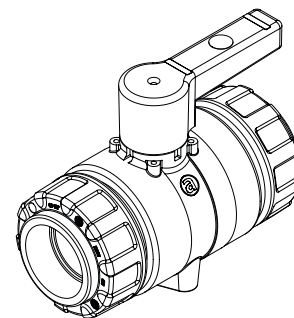
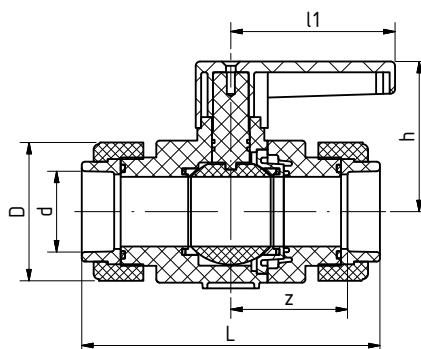
PP-BALL VALVE

with union nut and welding socket

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Colour: green



SDR	Art. no.	d [mm]	L [mm]	z [mm]	D [mm]	h [mm]	l1 [mm]	Inch R	DN	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 9 11	41400	75	276,0	108,0	129,0	139,0	152,0	0,00	65	2,441	• •	1		

Also suitable for vacuum pipes.

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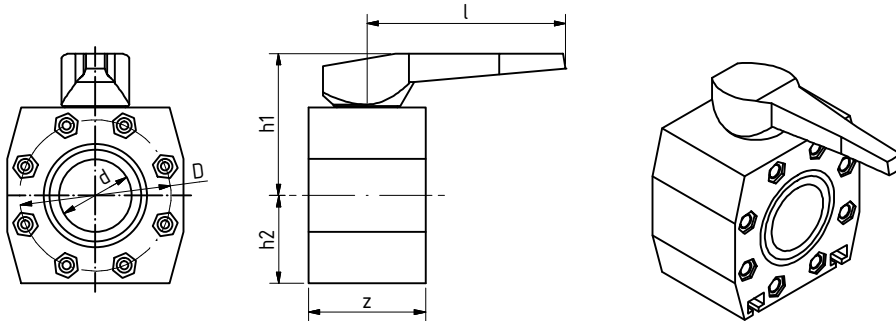
PP-BALL VALVE

with flange connection on both sides

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Colour: green



SDR	Art. no.	for ϕ [mm]	d [mm]	l [mm]	z [mm]	D [mm]	h1 [mm]	h2 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6	41602	90	77,0	210,0	124,0	160,0	150,0	93,0	4,196	• •	1		
7.4	41604	110	94,0	260,0	145,0	180,0	165,0	103,0	5,612	• •	1		
9													
11	41607	160	135,0	310,0	205,0	240,0	210,0	136,5	13,420	• •	1		

Also suitable for vacuum pipes.

For dimension 125 mm the PP-ball valve Art. no. 41604 with flange adapter Art. no. 15526 and flange Art. no. 15724 is used.

For connection with aquatherm green pipe weldable flange adapter (Art. no. 15520 – 15531) and aquatherm green pipe plastic coated steel flange (Art. no. 15720 – 15730)

Hexagon screw M 16x60 mm for Art. no. 41602/41604

Hexagon screw M 20x80 mm for Art. no. 41607

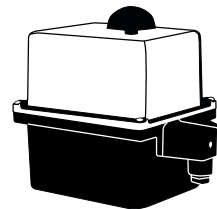
corresponding flat washer M 16

NOTICE: These are not included in delivery.

ELECTRICAL DRIVE FOR BALL VALVE ◆

incl. fixtures

For Art. no. 41602 – 41607



Systems: aquatherm green pipe,
aquatherm blue pipe

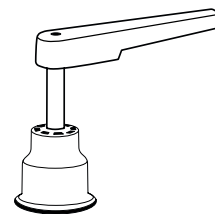
Colour: black/red

Art. no.	Dimension [mm]	for Art. no.	Weight [kg]	System	PU	Box unit	Price € pc
230 Volt							
41603	90	incl. fixtures for 41602	3,300	• •	1		
41605	110	incl. fixtures for 41604	3,400	• •	1		
41608	160	incl. fixtures for 41607	3,700	• •	1		
24 Volt							
41703	90	incl. fixtures for 41602	3,300	• •	1		
41705	110	incl. fixtures for 41604	3,400	• •	1		
41708	160	incl. fixtures for 41607	3,700	• •	1		

EXTENSION FOR BALL VALVE ◆

For Art. no. 41602–41607

Systems: aquatherm green pipe,
aquatherm blue pipe



Art. no.	l [mm]	for Art. no.	Weight [kg]	System	PU	Box unit	Price € m/pc
98904	150	41602	0,788	• •	1		
98905	150	41604	1,120	• •	1		
98906	150	41607	1,391	• •	1		

Delivery time: on request

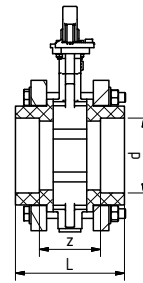
aquatherm blue pipe SHUT-OFF VALVE WITH LEVER ◆

Set consists of: 2 x flange adapter, 2 x flanges, fixing screws

Systems: aquatherm blue pipe

Material: fusiolen® PP-RCT, Steel

Colour: blue



SDR	Art. no.	d [mm]	z [mm]	L [mm]	Weight [kg]	System	PU	Box unit	Price € pc
<i>socket welding</i>									
6	2041820	75	78	138	6,763	•	1		
7.4									
9	2041822	90	80	146	9,134	•	1		
11	2041824	110	89	163	10,400	•	1		
17.6									
	2041826	125	104	184	15,600	•	1		

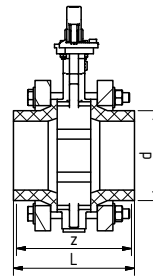
aquatherm blue pipe SHUT-OFF VALVE WITH LEVER

Set consists of: 2 x flange adapter, 2 x flanges, fixing screws

Systems: aquatherm blue pipe

Material: fusiolen® PP-RCT, Steel

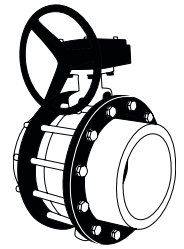
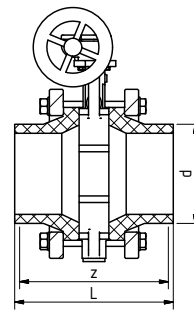
Colour: blue



SDR	Art. no.	d [mm]	z [mm]	L [mm]	Weight [kg]	System	PU	Box unit	Price € pc
<i>Butt welding</i>									
11	2041830 ◆	160	227	242	22,000	•	1		
17.6	2541830	160	227	242	21,700	•	1		

aquatherm blue pipe SHUT-OFF VALVE WITH DRIVE ◆

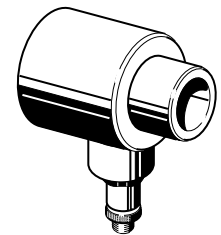
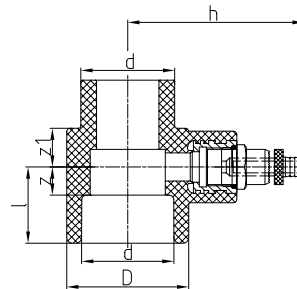
Set consists of: 2 x flange adapter, 2 x flanges, fixing screws

Systems: aquatherm blue pipe**Material:** fusiolen® PP-RCT, Steel**Colour:** blue

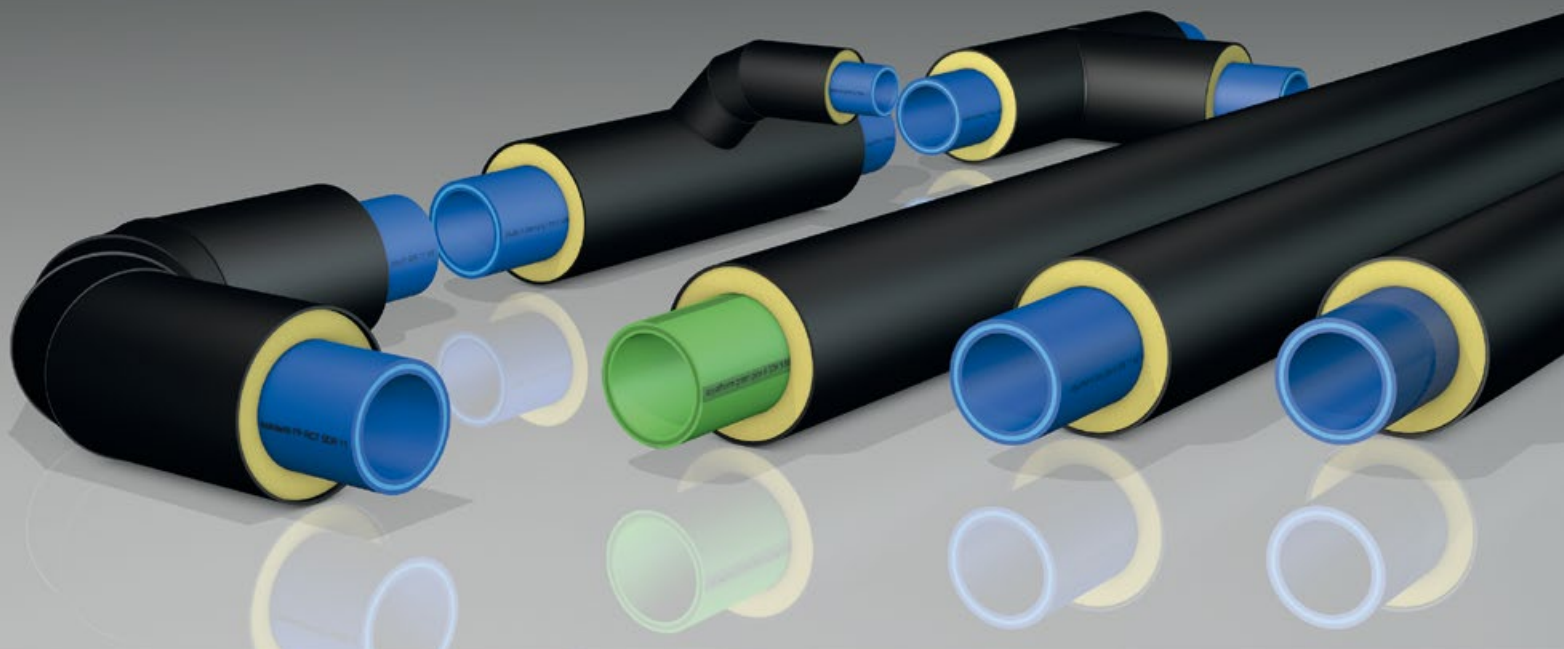
SDR	Art. no.	d [mm]	z [mm]	L [mm]	Weight [kg]	System	PU	Box unit	Price € pc
11	2041834	200	305	320	41,400	•	1		
	2041838	250	313	328	59,200	•	1		
	2041842	315	412	432	81,800	•	1		
17.6	2541834	200	305	320	40,900	•	1		
	2541838	250	313	328	58,400	•	1		
	2541842	315	412	432	78,600	•	1		

DRAINING BRANCH

to weld in aquatherm green pipe valves

Systems: aquatherm green pipe,
aquatherm blue pipe**Material:** fusiolen® PP-R, brass**Colour:** green

SDR	Art. no.	d [mm]	z [mm]	l [mm]	D [mm]	z1 [mm]	h [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 9 11	41408	20	11,5	26,0	34,0	16,5	71,0	0,098	• •	1		
	41410	25	10,0	26,0	34,0	16,5	71,0	0,096	• •	1		
	41412	32	14,0	32,0	43,0	17,0	74,5	0,118	• •	1		
	41414	40	12,0	32,5	52,0	16,5	80,5	0,140	• •	1		
	41416	50	15,5	39,0	68,0	17,0	88,0	0,202	• •	1		
	41418	63	16,5	44,0	84,0	16,5	96,0	0,288	• •	1		



aquatherm ti

PRE-INSULATED PIPE SYSTEMS FOR DISTRICT HEATING

aquatherm ti is a pre-insulated polypropylene piping system for underground installation. It is ideally suited to transport warm potable water or heating and cooling water over longer distances. The medium pipe (aquatherm green pipe for potable applications, aquatherm blue pipe for heating and cooling) is insulated with rigid polyurethane foam and enclosed in a jacket pipe made of polyethylene. Only pipes with aquatherm's multi-layer, faser-composite (MF) technology are used, making them perfect for underground installation due to their limited thermal expansion. All pipes are made of the corrosion-resistant material fusiolen® polypropylene, which is characterized by its safe and strong heat fusion connections.

aquatherm green pipe ti

faser composite pipe system SDR 9 in dimensions 32 – 355 mm
pipe system for potable water

aquatherm blue pipe ti

faser composite pipe system SDR 11 in dimensions 40 – 315 mm and
faser composite pipe system SDR 17.6 in dimensions 125 – 355 mm
for heating, cooling and waste water

aquatherm blue pipe ot ti

oxygen-tight pipe system for heating- and industrial water
faser composite pipe system SDR 9 in dimension 32 mm
faser composite pipe system SDR 11 in dimensions 40 – 250 mm

The aquatherm ti pipe systems are insulated with PUR rigid foam and coated with a casing pipe made of PEHD.

All medium pipes are plastic-fibre composite pipes and also best suitable for the following applications.

For further informations please call our technical hotline
+49 2722 950 200, visit www.aquatherm.de or order our
aquatherm ti catalogue (**Order No. E30000**).

aquatherm ti Fields of application	aquatherm green pipe ti	aquatherm blue pipe ti	aquatherm blue pipe ot ti
Potable water application	●		
Heating system construction	○	●	●
Climate technology	○	●	●
Chilled water technology	○	●	●
Swimming pool technology	○	●	
Rainwater application	○	●	
Irrigation	●	●	
Compressed air systems	○	●	
Geothermal	○	●	○
Industrial liquids <small>considering the material resistance</small>	●	●	●

- System recommended due to its technical advantages
- Application of the system is suitable

aquatherm ti

PRE-INSULATED PIPE SYSTEMS FOR DISTRICT HEATING

All mediums pipes of the aquatherm ti pipe system in the dimensions 32 – 125 mm are connected with fittings by socket welding and in the dimensions 160 – 355 mm by butt-welding according to the plastic-welding regulations DVS 2207/08. The pipe ends of the mediums pipes are not insulated on a length of 250 mm to make a proper and professional conjunction. For the insulation of all connections please use the aquatherm ti sockets consisting of four PUR-rigid foam elements relating to the dimension, two melting adhesive strips, one casing melting film and one shrink sleeve, which is tested and approved for the laying directly in the ground.

MEDIUMPIPE

aquatherm ti is available with different medium-pipes. All medium-pipes are made of fusiolen® (PP-R), mechanically stabilized by a fiber mixture in the middle material layer.

aquatherm green pipe *faser composite pipe SDR 9*

Max. operating pressure:	20 bar
Max. operating temperature:	70 °C
Colour:	green with 4 moss-green stripes

aquatherm blue pipe *faser composite pipe SDR 11/17.6*

Max. operating pressure:	10 bar
Max. operating temperature:	80 °C
Colour:	blue

aquatherm blue pipe ot *faser composite pipe SDR 7.4/SDR 11*

Max. operating pressure:	10 bar
Max. operating temperature:	80 °C
Colour:	blue

The manufacturer's operating instructions are valid.

INSULATION

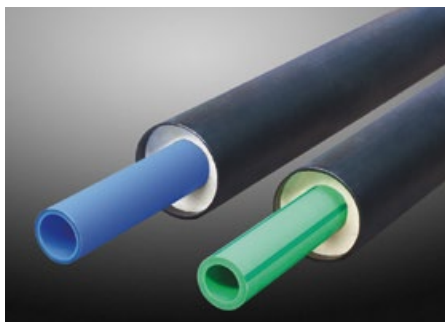
aquatherm ti pipes and fittings are insulated with polyurethane rigid foam (PUR), tested according to EN253. In the production line discontinuously foamed between medium and casing pipe, a high-class insulation with outstanding thermal conductivity $\lambda_{PUR}=0,0275$ W/mK and low specific weight is formed by an exothermal chemical reaction.

All aquatherm ti components are generally produced with a 100 % Freon-free and thus environmentally-friendly Cyclopentane driven PUR-foam. That means huge insulation characteristics and at the same time minimal possible ozone depletion potential (ODP=0) and greenhouse potential values (GWP=0,001).

CASING PIPE

The casing pipe of the aquatherm ti is made of the approved PE with a smooth surface. Polyethylene is a seamless extruded impact resistant and break-proof viscoplastic high density polyethylene, applicable up to -50 °C. General quality requirements are according to DIN 8075. Treated with Corona for best adhesion at the PUR-rigid foam, acc. to EN 253. Dimensions resp. wall thickness at least acc. to EN 253, thermal conductivity $\lambda_{PE80} = 0,38$ W/mK.

Polyethylene is highly resistant against climatic influence and UV-rays as well as against nearly all chemical compounds in the soil. Thus in all national and international regulations PE is recommended as the only suitable material for the laying directly in the soil.



aquatherm ti FASER COMPOSITE PIPES

faser composite pipe , length á 5.8 m with PUR rigid foam and coated with a casing pipe made of PEHD

Outside diameter		aquatherm green pipe ti SDR 9 MF RP		aquatherm blue pipe ti SDR 11 MF RP / *SDR 9 MF RP		aquatherm blue pipe ot ti SDR 11 MF / *SDR 9 MF RP		aquatherm blue pipe ti SDR 17.6 MF RP		PU	Box unit
Medium pipe [mm]	Casing pipe [mm]	Art. no.	Price € m	Art. no.	Price € m	Art. no.	Price € m	Art. no.	Price € m	m	
32	90	1370711		2270111*		2470711*				5.8	
40	110	1370713		2270113		2470113				5.8	
50	110	1370715		2270115		2470115				5.8	
63	125	1370717		2270117		2470117				5.8	
75	140	1370719		2270119		2470119				5.8	
90	160	1370721		2270121		2470121				5.8	
110	200	1370723		2270123		2470123				5.8	
125	225	1370725		2270125		2470125		2770125		5.8	
160	250	1370729		2270129		2470129		2770129		5.8	
200	315			2270133		2470133		2770133		5.8	
250	400			2270137		2470137		2770137		5.8	
315	450			2270141				2770141		5.8	
355	500			2270143				2770143		5.8	

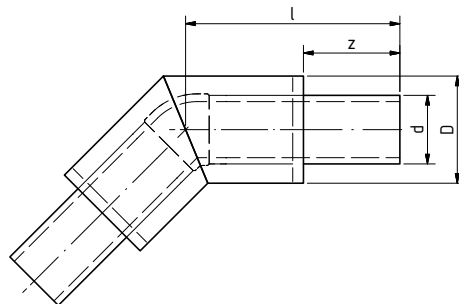
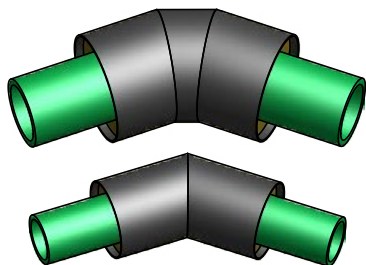
aquatherm green pipe ti SDR 9 in dimensions from 200 mm (medium pipe) available on request.

aquatherm ti FASER COMPOSITE PIPES

faser composite pipe , length á 11.6 m with PUR rigid foam and coated with a casing pipe made of PEHD

Outside diameter		aquatherm green pipe ti SDR 9 MF RP		aquatherm blue pipe ti SDR 11 MF RP / *SDR 9 MF RP		aquatherm blue pipe ot ti SDR 11 MF / *SDR 9 MF RP		aquatherm blue pipe ti SDR 17.6 MF RP		PU	Box unit
Medium pipe [mm]	Casing pipe [mm]	Art. no.	Price € m	Art. no.	Price € m	Art. no.	Price € m	Art. no.	Price € m	m	
32	90	1370712		2270112*		2470712*				11.6	
40	110	1370714		2270114		2470114				11.6	
50	110	1370716		2270116		2470116				11.6	
63	125	1370718		2270118		2470118				11.6	
75	140	1370720		2270120		2470120				11.6	
90	160	1370722		2270122		2470122				11.6	
110	200	1370724		2270124		2470124				11.6	
125	225	1370726		2270126		2470126		2770126		11.6	
160	250	1370730		2270130		2470130		2770130		11.6	
200	315			2270134		2470134		2770134		11.6	
250	400			2270138		2470138		2770138		11.6	
315	450			2270142				2770142		11.6	
355	500			2270144				2770144		11.6	

aquatherm green pipe ti SDR 9 in dimensions from 200 mm (medium pipe) available on request.



aquatherm ti ELBOW 45° SL 500

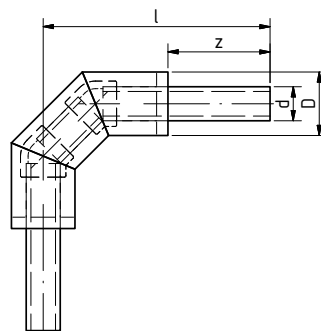
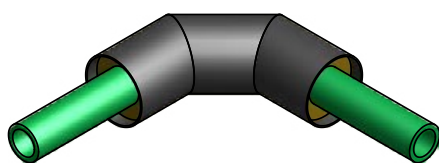
with PUR rigid foam and coated with a casing pipe made of PEHD

Outside diameter				aquatherm green pipe ti SDR 9 MF RP	aquatherm blue pipe ti SDR 11 / *SDR 9 MF RP	aquatherm blue pipe ot ti SDR 11 / *SDR 9 MF RP	aquatherm blue pipe ti SDR 17.6 MF RP	PU	Box unit			
d Medium pipe [mm]	D Casing pipe [mm]	z [mm]	l [mm]	Art. no.	Price € m	Art. no.	Price € m	Art. no.	Price € m	Art. no.	Price € m	m
32	90	225	500	1312512		2212512*		2412512*				1
40	110	225	500	1312514		2212514		2412514				1
50	110	225	500	1312516		2212516		2412516				1
63	125	225	500	1312518		2212518		2412518				1
75	140	225	500	1312520		2212520		2412520				1
90	160	225	500	1312522		2212522		2412522				1
110	200	225	500	1312524		2212524		2412524				1
125	225	225	500	1312526		2212526		2412526		2712526		1
160	250	225	500	1312530		2212531		2412531		2712530		1
200	315	225	500			2212535		2412535		2712534		1
250	400	225	500			2212539		2412539		2712538		1
315	450	225	500			2212543				2712542		1
355	500	225	500			2212545				2712544		1

Also available in design 15° and 30°.

aquatherm green pipe ti SDR 9 in dimensions from 200 mm (medium pipe) available on request.

aquatherm ti

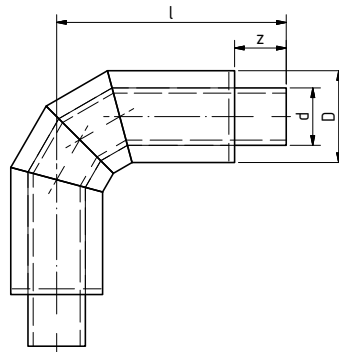
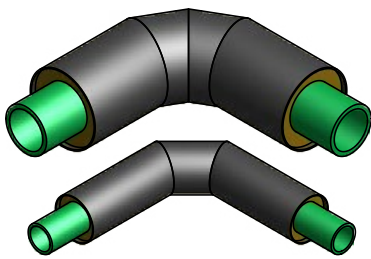


aquatherm ti ELBOW 90° SL 500

with PUR rigid foam and coated with a casing pipe made of PEHD

Outside diameter				aquatherm green pipe ti SDR 9 MF RP	aquatherm blue pipe ti SDR 11 / *SDR 9 MF RP	aquatherm blue pipe ot ti SDR 11 / *SDR 9 MF RP	PU	Box unit		
d Medium pipe [mm]	D Casing pipe [mm]	z [mm]	l [mm]	Art. no.	Price € m	Art. no.	Price € m	Art. no.	Price € m	m
32	90	225	500	1312212		2212212*		2412212*		1
40	110	225	500	1312214		2212214		2412214		1
50	110	225	500	1312216		2212216		2412216		1
63	125	225	500	1312218		2212218		2412218		1
75	140	225	500	1312220		2212220		2412220		1

Also available in design 60° and 75°.



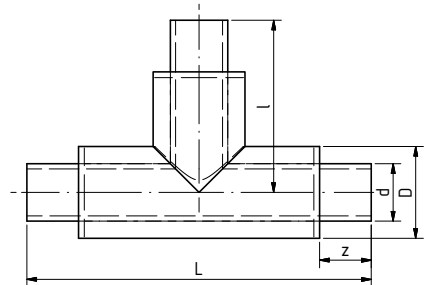
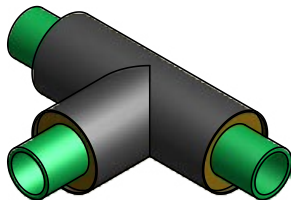
aquatherm ti ELBOW 90° SL 1000

with PUR rigid foam and coated with a casing pipe made of PEHD

Outside diameter				aquatherm green pipe ti SDR 9 MF RP	aquatherm blue pipe ti SDR 11 / *SDR 9 MF RP	aquatherm blue pipe ot ti SDR 11 / *SDR 9 MF RP	aquatherm blue pipe ti SDR 17.6 MF RP	PU	Box unit				
d Medium pipe [mm]	D Casing pipe [mm]	z [mm]	l [mm]	Art. no.	Price € m	Art. no.	Price € m	Art. no.	Price € m	Art. no.	Price € m	m	
32	90	225	1000	1312112		2212112*		2412112*				1	
40	110	225	1000	1312114		2212114		2412114				1	
50	110	225	1000	1312116		2212116		2412116				1	
63	125	225	1000	1312118		2212118		2412118				1	
75	140	225	1000	1312120		2212120		2412120				1	
90	160	225	1000	1312122		2212122		2412122				1	
110	200	225	1000	1312124		2212124		2412124				1	
125	225	225	1000	1312126		2212126		2412126		2712126		1	
160	250	225	1000	1312130		2212131		2412131		2712130		1	
200	315	225	1000			2212135		2412135		2712134		1	
250	400	225	1000			2212139		2412139		2712138		1	
315	450	225	1000			2212143				2712142		1	
355	500	225	1000			2212145				2712144		1	

Also available in design 60° and 75°.

aquatherm green pipe ti SDR 9 in dimensions from 200 mm (medium pipe) available on request.

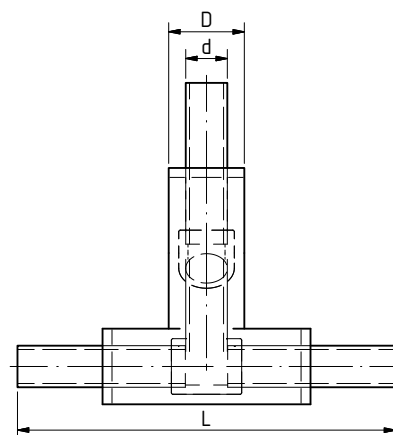
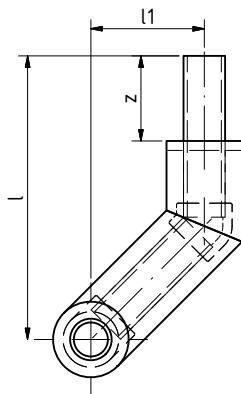
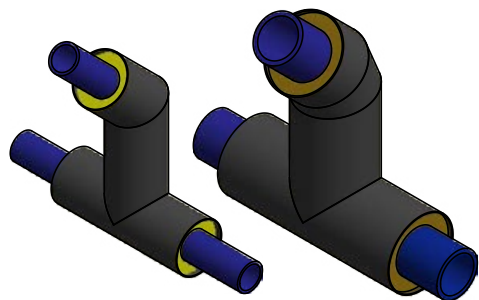


aquatherm ti BRANCH

with PUR rigid foam and coated with a casing pipe made of PEHD

Outside diameter					aquatherm green pipe ti SDR 9 MF RP	aquatherm blue pipe ti SDR 11 / *SDR 9 MF RP	aquatherm blue pipe ot ti SDR 11 / *SDR 9 MF RP	aquatherm blue pipe ti SDR 17.6 MF RP	PU	Box unit				
d Medium pipe [mm]	D Casing pipe [mm]	z [mm]	l [mm]	L [mm]	Art. no.	Price € m	Art. no.	Price € m	Art. no.	Price € m	Art. no.	Price € m	m	
32	90	225	500	1000	1313112		2213112*		2413112*				1	
40	110	225	500	1000	1313114		2213114		2413114				1	
50	110	225	500	1000	1313116		2213116		2413116				1	
63	125	225	500	1000	1313118		2213118		2413118				1	
75	140	225	500	1000	1313120		2213120		2413120				1	
90	160	225	500	1000	1313122		2213122		2413122				1	
110	200	225	500	1000	1313124		2213124		2413124				1	
125	225	225	500	1000	1313126		2213126		2413126		2713126		1	
160	250	225	500	1000	1313130		2213131		2413131		2713130		1	
200	315	225	750	1500			2213135		2413135		2713134		1	
250	400	225	750	1500			2213139		2413139		2713138		1	
315	450	225	750	1500			2213143				2713142		1	
355	500	225	750	1500			2213145				2713144		1	

aquatherm green pipe ti SDR 9 in dimensions from 200 mm (medium pipe) available on request.

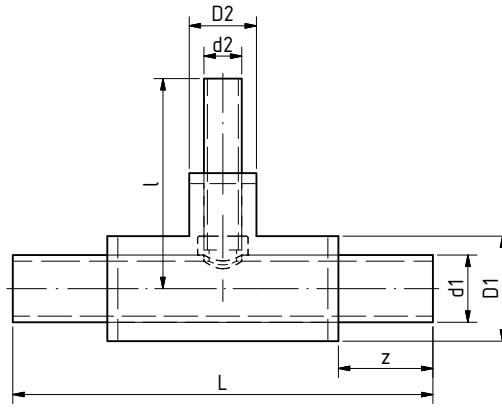
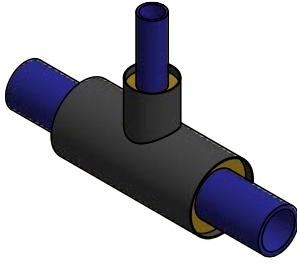


aquatherm ti CROSS-OVER BRANCH

with PUR rigid foam and coated with a casing pipe made of PEHD

Outside diameter						aquatherm blue pipe ti SDR 11 / *SDR 9 MF RP	aquatherm blue pipe ot ti SDR 11 / *SDR 9 MF RP	aquatherm blue pipe ti SDR 17.6 MF RP	PU	Box unit		
d Medium pipe [mm]	D Casing pipe [mm]	z [mm]	l [mm]	l1 [mm]	L [mm]	Art. no.	Price € m	Art. no.	Price € m	Art. no.	Price € m	m
32	90	225	750	190	1000	2218112*		2418112*				1
40	110	225	750	210	1000	2218114		2418114				1
50	110	225	750	210	1000	2218116		2418116				1
63	125	225	750	225	1000	2218118		2418118				1
75	140	225	750	240	1000	2218120		2418120				1
90	160	225	750	260	1000	2218122		2418122				1
110	200	225	750	300	1000	2218124		2418124				1
125	225	225	750	325	1000	2218126		2418126		2718126		1
160	250	225	1000	350	1000	2218131		2418131		2718130		1
200	315	225	1000	415	1500	2218135		2418135		2718134		1
250	400	225	1000	500	1500	2218139		2418139		2718138		1
315	450	225	1250	550	1500	2218143				2718142		1
355	500	225	1250	600	1500	2218145				2718144		1

aquatherm green pipe ti SDR 9 available on request.



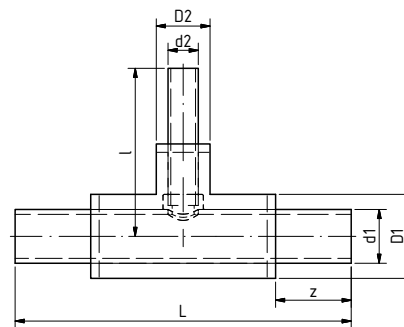
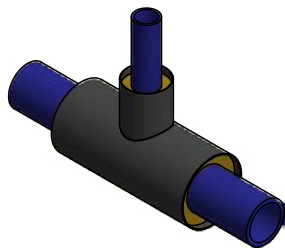
aquatherm ti RED-BRANCH

with PUR rigid foam and coated with a casing pipe made of PEHD

Outside diameter							aquatherm blue pipe ti SDR 11 / *SDR 9 MF RP	aquatherm blue pipe ot ti SDR 11 / *SDR 9 MF RP	aquatherm blue pipe ti SDR 17.6 / SDR 11 MF RP	PU	Box unit		
d1 Medium pipe [mm]	d2 Medium pipe [mm]	D1 Casing pipe [mm]	D2 Casing pipe [mm]	z [mm]	l [mm]	L [mm]	Art. no.	Price € m	Art. no.	Price € m	Art. no.	Price € m	m
40	32	110	90	225	500	1000	2213202*		2413202*				1
50	32	110	90	225	500	1000	2213206*		2413206*				1
50	40	110	110	225	500	1000	2213208		2413208				1
63	32	125	90	225	500	1000	2213212*		2413212*				1
63	40	125	110	225	500	1000	2213214		2413214				1
63	50	125	110	225	500	1000	2213216		2413216				1
75	32	140	90	225	500	1000	2213220*		2413220*				1
75	40	140	110	225	500	1000	2213222		2413222				1
75	50	140	110	225	500	1000	2213224		2413224				1
75	63	140	125	225	500	1000	2213226		2413226				1
90	32	160	90	225	500	1000	2213230*		2413230*				1
90	40	160	110	225	500	1000	2213232		2413232				1
90	50	160	110	225	500	1000	2213234		2413234				1
90	63	160	125	225	500	1000	2213236		2413236				1
90	75	160	140	225	500	1000	2213238		2413238				1
110	32	200	90	225	500	1000	2213242*		2413242*				1
110	40	200	110	225	500	1000	2213244		2413244				1
110	50	200	110	225	500	1000	2213246		2413246				1
110	63	200	125	225	500	1000	2213248		2413248				1
110	75	200	140	225	500	1000	2213250		2413250				1
110	90	200	160	225	500	1000	2213252		2413252				1
125	32	225	90	225	500	1000	2213256*		2413256*		2713256**		1
125	40	225	110	225	500	1000	2213258		2413258		2713258**		1
125	50	225	110	225	500	1000	2213260		2413260		2713260**		1
125	63	225	125	225	500	1000	2213262		2413262		2713262**		1
125	75	225	140	225	500	1000	2213264		2413264		2713264**		1
125	90	225	160	225	500	1000	2213266		2413266		2713266**		1
125	110	225	200	225	500	1000	2213268		2413268		2713268**		1
160	32	250	90	225	500	1000	2213291*		2413291*		2713290**		1
160	40	250	110	225	500	1000	2213293		2413293		2713292**		1
160	50	250	110	225	500	1000	2213295		2413295		2713294**		1
160	63	250	125	225	500	1000	2213297		2413297		2713296**		1
160	75	250	140	225	500	1000	2213299		2413299		2713298**		1
160	90	250	160	225	500	1000	2213301		2413301		2713300**		1
160	110	200	200	225	750	1500	2213303		2413303		2713302**		1
160	125	250	225	225	750	1500	2213305		2413305		2713304		1

* Branch d2 SDR 9 | ** Branch d2 SDR 11

aquatherm green pipe ti SDR 9 available on request.



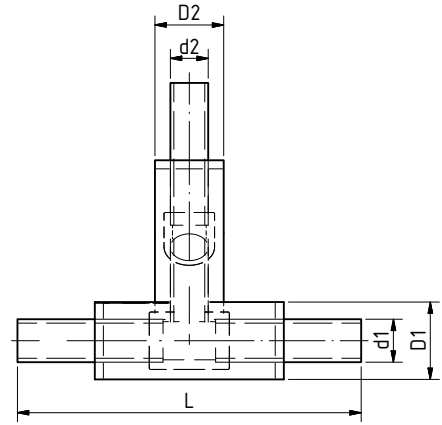
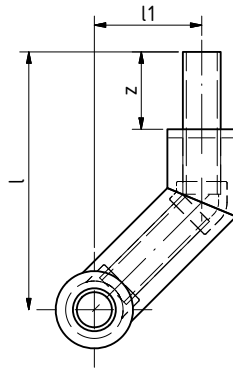
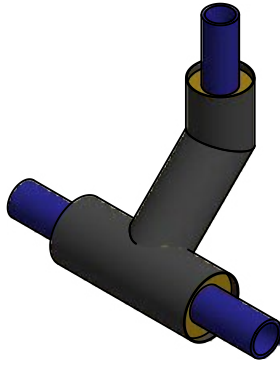
aquatherm ti RED.-BRANCH

with PUR rigid foam and coated with a casing pipe made of PEHD

Outside diameter							aquatherm blue pipe ti SDR 11 / *SDR 9 MF RP	aquatherm blue pipe ot ti SDR 11 / *SDR 9 MF RP	aquatherm blue pipe ti SDR 17.6 / SDR 11 MF RP	PU	Box unit		
d1 Medium pipe [mm]	d2 Medium pipe [mm]	D1 Casing pipe [mm]	D2 Casing pipe [mm]	z [mm]	l [mm]	L [mm]	Art. no.	Price € m	Art. no.	Price € m	Art. no.	Price € m	m
200	32	315	90	225	750	1500	2213333*		2413333*		2713332**		1
200	40	315	110	225	750	1500	2213335		2413335		2713334**		1
200	50	315	110	225	750	1500	2213337		2413337		2713336**		1
200	63	315	125	225	750	1500	2213339		2413339		2713338**		1
200	75	315	140	225	750	1500	2213341		2413341		2713340**		1
200	90	315	160	225	750	1500	2213343		2413343		2713342**		1
200	110	315	200	225	750	1500	2213345		2413345		2713344**		1
200	125	315	225	225	750	1500	2213347		2413347		2713346		1
200	160	315	250	225	750	1500	2213351		2413351		2713350		1
250	32	400	90	225	750	1500	2213383*		2413383*		2713382**		1
250	40	400	110	225	750	1500	2213385		2413385		2713384**		1
250	50	400	110	225	750	1500	2213387		2413387		2713386**		1
250	63	400	125	225	750	1500	2213389		2413389		2713388**		1
250	75	400	140	225	750	1500	2213391		2413391		2713390**		1
250	90	400	160	225	750	1500	2213393		2413393		2713392**		1
250	110	400	200	225	750	1500	2213395		2413395		2713394**		1
250	125	400	225	225	750	1500	2213397		2413397		2713396		1
250	160	400	250	225	750	1500	2213401		2413401		2713400		1
250	200	400	315	225	750	1500	2213403		2413403		2713402		1
315	32	450	90	225	750	1500	2213407*				2713406**		1
315	40	450	110	225	750	1500	2213409				2713408**		1
315	50	450	110	225	750	1500	2213411				2713410**		1
315	63	450	125	225	750	1500	2213413				2713412**		1
315	75	450	140	225	750	1500	2213415				2713414**		1
315	90	450	160	225	750	1500	2213417				2713416**		1
315	110	450	200	225	750	1500	2213419				2713418**		1
315	125	450	225	225	750	1500	2213421				2713420		1
315	160	450	250	225	750	1500	2213425				2713424		1
315	200	450	315	225	750	1500	2213429				2713428		1
315	250	450	400	225	750	1500	2213433				2713432		1
355	32	500	90	225	750	1500	2213437*				2713436**		1
355	40	500	110	225	750	1500	2213439				2713438**		1
355	50	500	110	225	750	1500	2213441				2713440**		1
355	63	500	125	225	750	1500	2213443				2713442**		1
355	75	500	140	225	750	1500	2213445				2713444**		1
355	90	500	160	225	750	1500	2213447				2713446**		1
355	110	500	200	225	750	1500	2213449				2713448**		1
355	125	500	225	225	750	1500	2213451				2713450		1
355	160	500	250	225	750	1500	2213455				2713454		1
355	200	500	315	225	750	1500	2213459				2713458		1
355	250	500	400	225	750	1500	2213463				2713462		1
355	315	500	450	225	750	1500	2213467				2713466		1

* Branch d2 SDR 9 | ** Branch d2 SDR 11

aquatherm green pipe ti SDR 9 available on request.



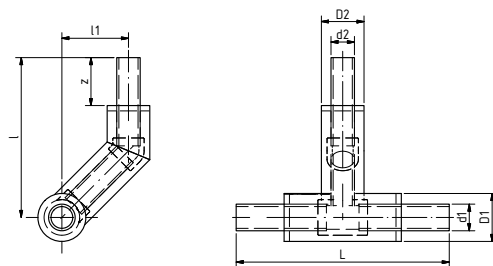
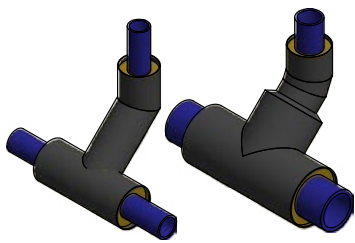
aquatherm ti RED. CROSS-OVER BRANCH

with PUR rigid foam and coated with a casing pipe made of PEHD

Outside diameter								aquatherm blue pipe ti SDR 11 / *SDR 9 MF RP	aquatherm blue pipe ot ti SDR 11 / *SDR 9 MF RP	aquatherm blue pipe ti SDR 17.6 / SDR 11 MF RP	PU	Box unit		
d1 Medium pipe [mm]	d2 Medium pipe [mm]	D1 Casing pipe [mm]	D2 Casing pipe [mm]	z [mm]	l [mm]	l1 [mm]	L [mm]	Art. no.	Price € m	Art. no.	Price € m	Art. no.	Price € m	m
40	32	110	90	225	750	200	1000	2218202*		2418202*				1
50	32	110	90	225	750	200	1000	2218206*		2418206*				1
50	40	110	110	225	750	210	1000	2218208		2418208				1
63	32	125	90	225	750	207,5	1000	2218212*		2418212*				1
63	40	125	110	225	750	217,5	1000	2218214		2418214				1
63	50	125	110	225	750	217,5	1000	2218216		2418216				1
75	32	140	90	225	750	215	1000	2218220*		2418220*				1
75	40	140	110	225	750	225	1000	2218222		2418222				1
75	50	140	110	225	750	225	1000	2218224		2418224				1
75	63	140	125	225	750	232,5	1000	2218226		2418226				1
90	32	160	90	225	750	225	1000	2218230*		2418230*				1
90	40	160	110	225	750	235	1000	2218232		2418232				1
90	50	160	110	225	750	235	1000	2218234		2418234				1
90	63	160	125	225	750	242,5	1000	2218236		2418236				1
90	75	160	140	225	750	250	1000	2218238		2418238				1
110	32	200	90	225	750	245	1000	2218242*		2418242*				1
110	40	200	110	225	750	255	1000	2218244		2418244				1
110	50	200	110	225	750	255	1000	2218246		2418246				1
110	63	200	125	225	750	262,5	1000	2218248		2418248				1
110	75	200	140	225	750	270	1000	2218250		2418250				1
110	90	200	160	225	750	280	1000	2218252		2418252				1
125	32	225	90	225	750	257,5	1000	2218256*		2418256*		2718256**		1
125	40	225	110	225	750	267,5	1000	2218258		2418258		2718258**		1
125	50	225	110	225	750	267,5	1000	2218260		2418260		2718260**		1
125	63	225	125	225	750	275	1000	2218262		2418262		2718262**		1
125	75	225	140	225	750	282,5	1000	2218264		2418264		2718264**		1
125	90	225	160	225	750	292,5	1000	2218266		2418266		2718266**		1
125	110	225	200	225	750	312,5	1000	2218268		2418268		2718268**		1
160	32	250	90	225	750	270	1000	2218291*		2418291*		2718290**		1
160	40	250	110	225	750	280	1000	2218293		2418293		2718292**		1
160	50	250	110	225	750	280	1000	2218295		2418295		2718294**		1
160	63	250	125	225	750	287,5	1000	2218297		2418297		2718296**		1
160	75	250	140	225	750	295	1000	2218299		2418299		2718298**		1
160	90	250	160	225	750	305	1000	2218301		2418301		2718300**		1
160	110	250	200	225	1000	325	1000	2218303		2418303		2718302**		1
160	125	250	225	225	1000	337,5	1000	2218305		2418305		2718304		1

* Branch d2 SDR 9 | ** Branch d2 SDR 11

aquatherm green pipe ti SDR 9 available on request.



aquatherm ti RED. CROSS-OVER BRANCH

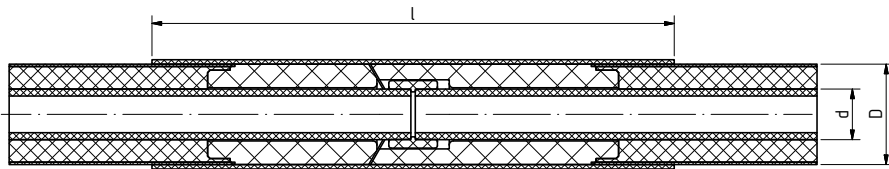
with PUR rigid foam and coated with a casing pipe made of PEHD

aquatherm ti

Outside diameter								aquatherm blue pipe ti SDR 11 / *SDR 9 MF RP	aquatherm blue pipe ti SDR 11 / *SDR 9 MF RP	aquatherm blue pipe ti SDR 17.6 / SDR 11 MF RP	PU	Box unit		
d1 Medium pipe [mm]	d2 Medium pipe [mm]	D1 Casing pipe [mm]	D2 Casing pipe [mm]	z [mm]	l [mm]	l1 [mm]	L [mm]	Art. no.	Price € m	Art. no.	Price € m	Art. no.	Price € m	m
200	32	315	90	225	750	302,5	1000	2218333*		2418333*		2718332**		1
200	40	315	110	225	750	312,5	1000	2218335		2418335		2718334**		1
200	50	315	110	225	750	312,5	1000	2218337		2418337		2718336**		1
200	63	315	125	225	750	320	1000	2218339		2418339		2718338**		1
200	75	315	140	225	750	327,5	1000	2218341		2418341		2718340**		1
200	90	315	160	225	750	337,5	1000	2218343		2418343		2718342**		1
200	110	315	200	225	1000	357,5	1000	2218345		2418345		2718344**		1
200	125	315	225	225	1000	370	1500	2218347		2418347		2718346		1
200	160	315	250	225	1000	382,5	1500	2218351		2418351		2718350		1
250	32	400	90	225	750	345	1000	2218383*		2418383*		2718382**		1
250	40	400	110	225	1000	355	1000	2218385		2418385		2718384**		1
250	50	400	110	225	1000	355	1000	2218387		2418387		2718386**		1
250	63	400	125	225	1000	362,5	1000	2218389		2418389		2718388**		1
250	75	400	140	225	1000	370	1000	2218391		2418391		2718390**		1
250	90	400	160	225	1000	380	1000	2218393		2418393		2718392**		1
250	110	400	200	225	1000	400	1000	2218395		2418395		2718394**		1
250	125	400	225	225	1000	412,5	1000	2218397		2418397		2718396		1
250	160	400	250	225	1000	425	1500	2218401		2418401		2718400		1
250	200	400	315	225	1000	457,5	1500	2218403		2418403		2718402		1
315	32	450	90	225	1000	370	1000	2218407*				2718406**		1
315	40	450	110	225	1000	380	1000	2218409				2718408**		1
315	50	450	110	225	1000	380	1000	2218411				2718410**		1
315	63	450	125	225	1000	387,5	1000	2218413				2718412**		1
315	75	450	140	225	1000	395	1000	2218415				2718414**		1
315	90	450	160	225	1000	405	1000	2218417				2718416**		1
315	110	450	200	225	1000	425	1000	2218419				2718418**		1
315	125	450	225	225	1000	437,5	1000	2218421				2718420		1
315	160	450	250	225	1000	450	1000	2218425				2718424		1
315	200	450	315	225	1000	482,5	1500	2218429				2718428		1
315	250	450	400	225	1000	525	1500	2218433				2718432		1
355	32	500	90	225	1000	395	1000	2218437*				2718436**		1
355	40	500	110	225	1000	405	1000	2218439				2718438**		1
355	50	500	110	225	1000	405	1000	2218441				2718440**		1
355	63	500	125	225	1000	412,5	1000	2218443				2718442**		1
355	75	500	140	225	1000	420	1000	2218445				2718444**		1
355	90	500	160	225	1000	430	1000	2218447				2718446**		1
355	110	500	200	225	1000	450	1000	2218449				2718448**		1
355	125	500	225	225	1000	462,5	1000	2218451				2718450		1
355	160	500	250	225	1000	475	1000	2218455				2718454		1
355	200	500	315	225	1000	507,5	1000	2218459				2718458		1
355	250	500	400	225	1000	550	1500	2218463				2718462		1
355	315	500	450	225	1000	575	1500	2218467				2718466		1

* Branch d2 SDR 9 | ** Branch d2 SDR 11

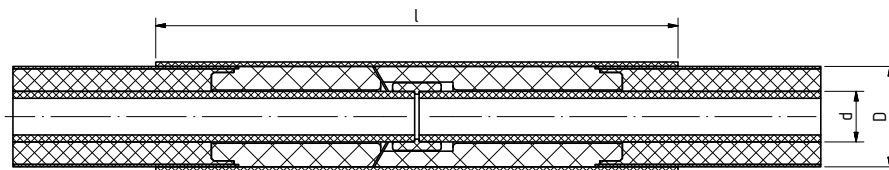
aquatherm green pipe ti SDR 9 available on request.



aquatherm ti SOCKET PLA

Shrink sleeve ready for use, including locking tie with PUR rigid foam elements and accessories for later coating of welded joints
Colour: black, standard width: 650 mm.

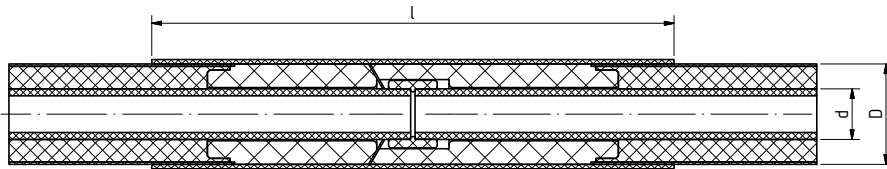
Outside diameter			aquatherm ti			
Medium pipe d [mm]	Casing pipe D [mm]	l [mm]	Art. no.	PU	Box unit	Price € pc
<i>Socket welding: the fitting for the connection of the medium pipes is included in delivery.</i>						
32	90	650	2211012	1		
40	110	650	2211014	1		
50	110	650	2211016	1		
63	125	650	2211018	1		
75	140	650	2211020	1		
90	160	650	2211022	1		
110	200	650	2211024	1		
125	225	650	2211026	1		
<i>Butt welding: no fitting is required for the connection of the medium pipes</i>						
160	250	650	2211030	1		
200	315	650	2211034	1		
250	400	650	2211038	1		



aquatherm ti SOCKET CSC-X

consists of shrink sleeve with PUR-rigid foam insulation elements and accessories, 750 mm total lengths
Without hot-melt adhesive. Melting adhesive strips and casing melting film (enclosed) have to be applied in a separate step.

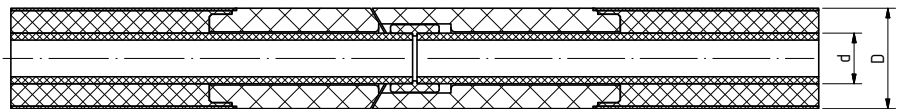
Outside diameter			aquatherm ti			
Medium pipe d [mm]	Casing pipe D [mm]	l [mm]	Art. no.	PU	Box unit	Price € pc
<i>Socket welding: the fitting for the connection of the medium pipes is included in delivery.</i>						
32	90	750	1211012	1		
40	110	750	1211014	1		
50	110	750	1211016	1		
63	125	750	1211018	1		
75	140	750	1211020	1		
90	160	750	1211022	1		
110	200	750	1211024	1		
125	225	750	1211026	1		
<i>Butt welding: no fitting is required for the connection of the medium pipes</i>						
160	250	750	1211030	1		
200	315	750	1211034	1		
250	400	750	1211038	1		
315	450	750	1211042	1		
355	500	750	1211044	1		



aquatherm ti SOCKET WTD

consists of shrink sleeve with PUR-rigid foam insulation elements and accessories, 750 mm total lengths
With hot-melt adhesive. Melting adhesive strips and casing melting film (enclosed) have to be applied in a separate step.

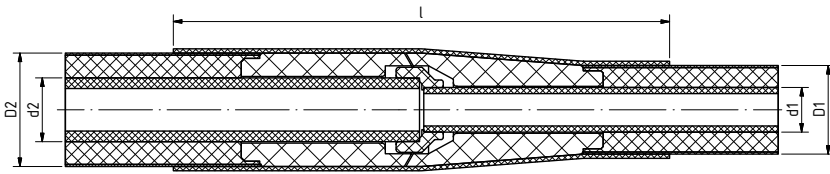
Outside diameter			aquatherm ti			
Medium pipe d [mm]	Casing pipe D [mm]	l [mm]	Art. no.	PU	Box unit	Price € pc
<i>Socket welding: the fitting for the connection of the medium pipes is included in delivery.</i>						
32	90	600	2211011	1		
40	110	600	2211013	1		
50	110	600	2211015	1		
63	125	600	2211017	1		
75	140	600	2211019	1		
90	160	600	2211021	1		
110	200	600	2211023	1		
125	225	600	2211025	1		
<i>Butt welding: no fitting is required for the connection of the medium pipes</i>						
160	250	600	2211029	1		
200	315	600	2211033	1		
250	400	600	2211037	1		
315	450	600	2211041	1		
355	500	600	2211043	1		



aquatherm ti INSULATION-SOCKET-SET

Consists of PUR-rigid foam elements and a fitting (socket up to 125 mm) depending on the dimension.
Required accessories for the installation: Mono Top 40 insulating tape and primer (p. 93)

Outside diameter		aquatherm ti			
Medium pipe d [mm]	Casing pipe D [mm]	Art. no.	PU	Box unit	Price € pc
<i>Socket welding: the fitting for the connection of the medium pipes is included in delivery.</i>					
32	90	2411012	1		
40	110	2411014	1		
50	110	2411016	1		
63	125	2411018	1		
75	140	2411020	1		
90	160	2411022	1		
110	200	2411024	1		
125	225	2411026	1		
<i>Butt welding: no fitting is required for the connection of the medium pipes</i>					
160	250	2411030	1		
200	315	2411034	1		
250	400	2411038	1		
315	450	2411042	1		
355	500	2411044	1		



aquatherm ti REDUCING SOCKET

consists of shrink sleeve with PUR-rigid foam insulation elements, fitting depending on dimension and accessories, 900 mm total lengths

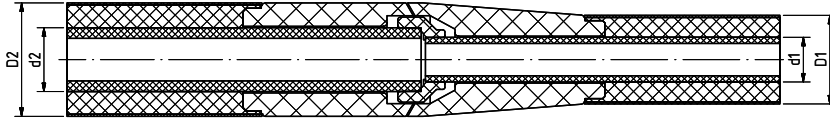
Outside diameter					aquatherm green pipe ti		PU	Box unit
d2 Medium pipe [mm]	d1 Medium pipe [mm]	D1 Casing pipe [mm]	D2 Casing pipe [mm]	l [mm]	Art. no.	Price € pc		
40	32	90	110	900	1211222		1	
50	32	90	110	900	1211228		1	
50	40	110	110	900	1211230		1	
63	40	110	125	900	1211236		1	
63	50	110	125	900	1211238		1	
75	50	110	140	900	1211240		1	
75	63	125	140	900	1211242		1	
90	63	125	160	900	1211252		1	
90	75	140	160	900	1211253		1	
110	75	140	200	900	1211257		1	
110	90	160	200	900	1211259		1	
125	90	160	225	900	1211263		1	
125	110	200	225	900	1211265		1	

Socket welding: up to 125 x 110 mm, than one-sided socket- and one-sided butt welding

Outside diameter					aquatherm green pipe ti SDR 9	aquatherm blue pipe ti SDR 11	aquatherm blue pipe ti SDR 17.6	PU	Box unit	
d2 Medium pipe [mm]	d1 Medium pipe [mm]	D1 Casing pipe [mm]	D2 Casing pipe [mm]	l [mm]	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc
160	110	200	250	900	1311274		2211275		2711274	
160	125	225	250	900	1311276		2211277		2711276	
200	125	225	315	900	1311282		2211283		2711282	

Double-sided butt welding

200	160	250	315	900	1311284		2211285		2711284	
250	160	250	400	900	1311288 ◆		2211289		2711288	
250	200	315	400	900	1311290 ◆		2211291		2711290	
315	200	315	450	900	1311296 ◆		2211297		2711296	
315	250	400	450	900	1311298 ◆		2211299		2711298	
355	250	400	500	900	1311304 ◆		2211305		2711304	
355	315	450	500	900	1311306 ◆		2211307		2711306	



aquatherm ti INSULATION-REDUCING SOCKET-SET

consists of PUR-rigid foam elements and fitting. Required accessories: Mono Top 40 insulating tape and primer

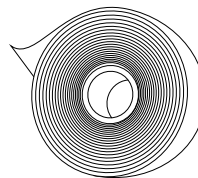
Outside diameter				aquatherm ti		PU	Box unit
d2 [mm]	d1 [mm]	D1 [mm]	D2 [mm]	Art. no.	Price € pc		
<i>Socket welding: up to 125 x 110 mm, than one-sided socket- and one-sided butt welding</i>							
40	32	90	110	2411222		1	
50	32	90	110	2411228		1	
50	40	110	110	2411230		1	
63	40	110	125	2411236		1	
63	50	110	125	2411238		1	
75	50	110	140	2411240		1	
75	63	125	140	2411242		1	
90	63	125	160	2411252		1	
90	75	140	160	2411253		1	
110	75	140	200	2411257		1	
110	90	160	200	2411259		1	
125	90	160	225	2411263		1	
125	110	200	225	2411265		1	

Outside diameter				aquatherm blue pipe ti SDR 11	aquatherm blue pipe ti SDR 17,6	PU	Box unit	
d2 [mm]	d1 [mm]	D1 [mm]	D2 [mm]	Art. no.	Price € pc			Art. no.
160	110	200	250	2411275		2711275		1
160	125	225	250	2411277		2711277		1
200	125	225	315	2411283		2711283		1
<i>Double-sided butt welding</i>								
200	160	250	315	2411285		2711285		1
250	160	250	400	2411289		2711289		1
250	200	315	400	2411291		2711291		1
315	200	315	450	2411297		2711297		1
315	250	400	450	2411299		2711299		1
355	250	400	500	2411305		2711305		1
355	315	450	500	2411307		2711307		1

aquatherm ti MONO TOP 40 INSULATION TAPE

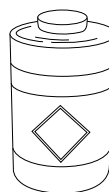
for post-insulation of connections with the aquatherm insulation-socket set

Art. no.	Wide [mm]	Length [m]	PU	Box unit	Price € m/pc
2411000	50	15	1		
2411001	100	15	1		



aquatherm ti PRIMER

Art. no.	Amount	PU	Box unit	Price € m/pc
2411002	1 Liter	1		



aquatherm ti CLOSING COLLAR

Collar for closing the PUR-insulating layer from casing pipe to medium

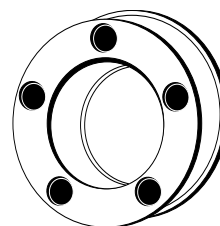
Outside diameter		aquatherm ti			
Medium pipe [mm]	Casing pipe [mm]	Art. no.	PU	Box unit	Price € pc
32	90	1214112	1		
40 – 50	110	1214114	1		
63 – 75	125 – 140	1214118	1		
90	160	1214122	1		
110	200	1214124	1		
125	225	1214126	1		
160	250	1214130	1		
200	315	1214134	1		
250	400	1214138	1		
315/355	450/500	1214142	1		



aquatherm ti COMPACT SEALS

Pipe collar for wall duct.

Outside diameter			aquatherm ti			
Core drill hole [mm]	Medium pipe [mm]	Casing pipe [mm]	Art. no.	PU	Box unit	Price € pc
150	32	90	1214212	1		
200	50	110	1214214	1		
200	63	125	1214218	1		
200	75	140	1214220	1		
250	90	160	1214222	1		
300	110	200	1214224	1		
350	125	225	1214226	1		
350	160	250	1214230	1		
400	200	315	1214234	1		
500	250	400	1214238	1		
550	315	450	1214242	1		
600	355	500	1214244	1		

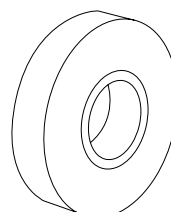


aquatherm ti WARNING TAPE

Art. no.	Width [mm]	PU	Box unit	Price € pc
50191	40	250 m		

Colour: yellow

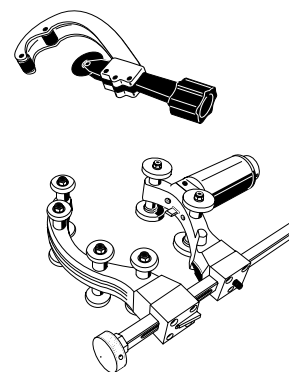
Printing in black: "Attention district heating pipeline"



Important: Do not cut the aquatherm pipes with customary hack saws.
aquatherm pipes can be cut with customary saws equipped with saw blades suitable for plastic.

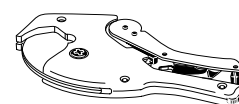
PIPE CUTTER

Art. no.	for pipe dimensions	PU	Box unit	Price € pc
50102	16-40mm	1		
50105	50-125mm	1		
50106	63-200mm	1		



PIPE CUTTER

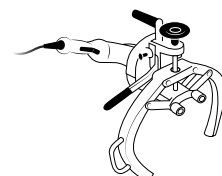
Art. no.	for pipe dimensions	PU	Box unit	Price € pc
50104	16-40mm	1		



ORBITAL CIRCULAR SAW

Art. no.	for pipe dimensions	PU	Box unit	Price € pc
50108	160-355mm	1		

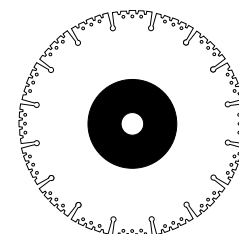
This orbital circular saw can be ordered directly from Rothenberger with Art. no. 55620 (www.rothenberger.com).
High-performance orbital circular saw for fast, precise, perfectly aligned and right-angled cutting of plastic pipes 160 – 355 mm at the building site or in the workshop.



CUTTING DISC FOR PLASTIC

Art. no.	Dimension	borehole	PU	Box unit	Price € pc
50107	ø 125mm	22,2 mm	1		
50109	ø 230mm	22,2 mm	1		

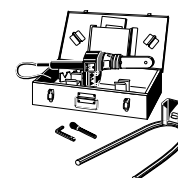
Application: for each angle grinder
Design: diamant galvanized cutting disc



MANUAL WELDING DEVICE (500 W)

Art. no.	for pipe dimensions	PU	Box unit	Price € pc
50336	ø 16-32mm	1		

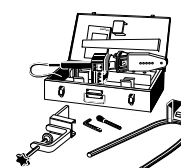
for one tool, with base and case for tools
Also available: 110 V (Art. no. 450336)



MANUAL WELDING DEVICE (800 W)

Art. no.	for pipe dimensions	PU	Box unit	Price € pc
50337	ø 16-63mm	1		

Also available: 110 V (Art. no. 450337)



MANUAL WELDING DEVICE (1400 W)

Art. no.	for pipe dimensions	PU	Box unit	Price € pc
50341	ø 50-125mm	1		

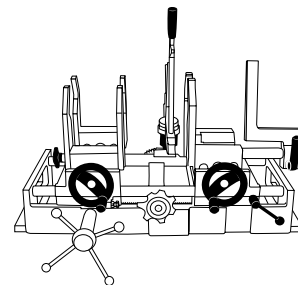
Also available: 110 V (Art. no. 450341)



WELDING MACHINE (1400 W)

Art. no.	for pipe dimensions	PU	Box unit	Price € pc
50148	ø 50-125 mm - 230 V	1		

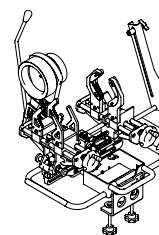
including welding tools 50 – 125 mm, roll stand and wooden transport case
Also available: 110 V (Art. no. 450148)



WELDING MACHINE (1400 W) LIGHT

Art. no.	for pipe dimensions	PU	Box unit	Price € pc
50145	ø 63-125mm	1		

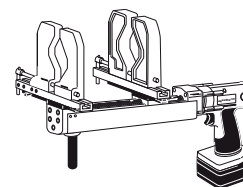
including manual welding device (1400 W) and wooden transport case
Also available: 110 V (Art. no. 450145)



ELECTRIC WELDING JIG

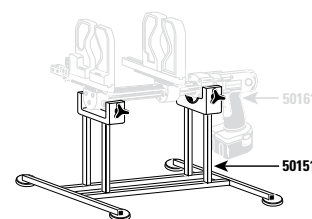
Art. no.	for pipe dimensions	Weight [kg]	PU	Box unit	Price € pc
50161	63-125mm	24,000	1		

including standby accumulator, charging station and metal case
Also available: 110 V (Art. no. 450159)



BASE FOR ART. NO. 50159

Art. no.	Dimension	PU	Box unit	Price € pc
50151		1		



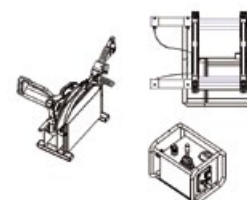
BUTT-WELDING MACHINE-TWO-RING-MACHINE WIDOS

Art. no.	Dimension [mm]	Weight [kg]	PU	Box unit	Price € pc
50350*	ø 160 - 250	154,000	1		
50351*	ø 160 - 315	178,000	1		

The butt-welding-two-ring machine can be purchased directly from Widos (www.widos.de)

Two-ring machine for pipes 160 – 355 mm available on request

* Also available in design with 110 volt (Art. no. 450350 = ø 160 – 250 mm / 450351 = ø 160 – 315 mm)



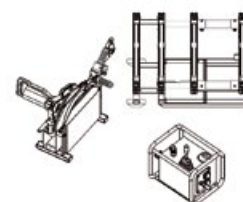
BUTT WELDING MACHINE WIDOS

Art. no.	Dimension	Weight [kg]	PU	Box unit	Price € pc
50352*	ø 160-250mm	195,000	1		
50353*	ø 160-315mm	250,000	1		
50354*	ø 160-355mm	425,000	1		
50355*	ø 200-450mm	430,000	1		
50356**	ø 200-500mm	500,000	1		
50357**	ø 315-630mm	885,000	1		

The butt-welding-machine can be purchased directly from Widos (www.widos.de)

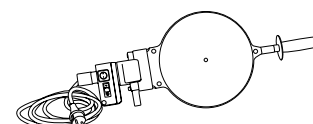
* Also available in design with 110 volt (Art. no. 450352 = ø 160 – 250 mm / 450353 = ø 160 – 315 mm / 450354 = ø 160 – 355 mm / 450355 = ø 200 – 450 mm)

** special voltage on demand



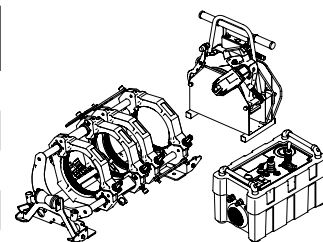
MANUAL WELDING DEVICE (1500 W) FOR SADDLE WELDING Ø 50 – 160 MM

Art. no.	for pipe dimensions	PU	Box unit	Price € pc
50330	ø 50-160mm	1		



BUTT WELDING MACHINE RITMO

Art. no.	for pipe dimensions	Weight [kg]	PU	Box unit	Price € pc
50165*	ø 160-250mm	176,500	1		
50166*	ø 160-315mm	160,000	1		
50177	ø 160-355mm	336,500	1		
50169	ø 400-630mm	710,000	1		



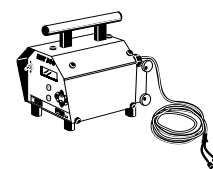
including wooden transport box. The butt welding machine can be obtained directly from Ritmo (www.ritmo.it)

* Also available: 110 V (Art. no. 450165 for ø 160 – 250 mm / Art. no. 450166 for ø 160 – 315 mm)

Two-ring machine for pipes 160 – 355 mm available on request

ELECTROFUSION DEVICE

Art. no.	for pipe dimensions	PU	Box unit	Price € pc
50175	ø 20-250mm	1		

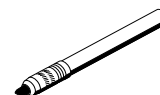


For processing with electro-fusion-sockets Art. no. 17208 – 17238.

Special calibration-tools – obtainable on request – are required

TEMPERATURE PENCIL

Art. no.	Dimension	PU	Box unit	Price € pc
50190		1		



to check the correct welding temperature

SURFACE THERMOMETER

Art. no.	Dimension	PU	Box unit	Price € pc
50188		1		



to check the correct welding temperature

TEMPERATURE PREDECTIVE GLOVE

for tool change

Art. no.	Dimension	PU	Box unit	Price € pc
50195		2		



CLEANING WIPES

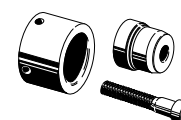
Art. no.	Dimension	PU	Box unit	Price € pc
50193	Box/100 towels	1		



for electrofusion sockets

WELDING TOOLS

Art. no.	Dimension [mm]	PU	Box unit	Price € pc
50206	16	1		
50208	20	1		
50210	25	1		
50212	32	1		
50214	40	1		
50216	50	1		
50218	63	1		
50220	75	1		
50222	90	1		
50224	110	1		
50226	125	1		



REPAIR SET

Art. no.	Dimension	PU	Box unit	Price € pc
50307	7mm	1		
50311	11mm	1		

to close holes of up to 10 mm in the pipe (pipe repair stick Art. no. 60600)



PIPE REPAIR STICK

for pipe repairs

Art. no.	Dimension	PU	Box unit	Price € pc
60600	7/11mm	10		



aquatherm UNIVERSAL PEELING TOOLS

for aquatherm green pipe MF UV, aquatherm green pipe MF RP UV, aquatherm blue pipe MF RP UV and aquatherm blue pipe MF OT

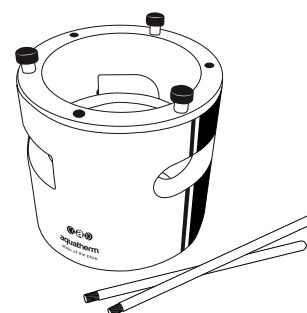


Required for the socket welding

(in combination with socket welding fittings from page 25 onwards, e.g. sockets, elbows, T-pieces, transition pieces with thread)

Also suitable for manual peeling (bolts included)

Art. no.	Dimension [mm]	PU	Box unit	Price € pc
50479	20	1		
50480	25	1		
50481	32	1		
50482	40	1		
50483	50	1		
50484	63	1		
50485	75	1		
50486	90	1		
50487	110	1		
50488	125	1		
50501	Spare blade with screw (Set)	1		



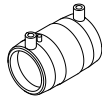
incl. bolts
for manual peeling

not suitable for aquatherm green pipe S, aquatherm blue pipe S, aquatherm green pipe MF, aquatherm green pipe MF RP, aquatherm green pipe TI, aquatherm blue pipe RP TI

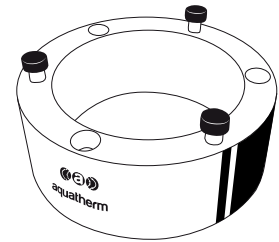
S = single, **MF** = multi-layer fibre, **OT** = oxygen-tight, **UV** = UV-resistant, **TI** = thermal insulation, **RP** = raised pressure

aquatherm EXTENSION FOR UNIVERSAL PEELING TOOL

Required for the electrofusion socket welding
(aquatherm electrofusion sockets on page 53)



When electrofusion welding a longer welding depth is required, which is achieved by the combination of the universal peeling tool and the extension for the universal peeling tool (e.g. Art. no. 50479+50489)

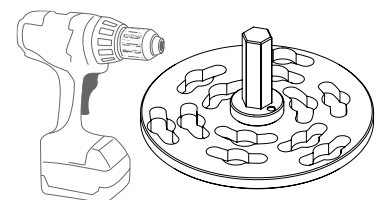


Art. no.	Dimension	PU	Box unit	Price € pc
50489	for peeling tool 20 mm Art. no. 50479	1		
50490	for peeling tool 25 mm Art. no. 50480	1		
50491	for peeling tool 32 mm Art. no. 50481	1		
50492	for peeling tool 40 mm Art. no. 50482	1		
50493	for peeling tool 50 mm Art. no. 50483	1		
50494	for peeling tool 63 mm Art. no. 50484	1		
50495	for peeling tool 75 mm Art. no. 50485	1		
50496	for peeling tool 90 mm Art. no. 50486	1		
50497	for peeling tool 110 mm Art. no. 50487	1		
50498	for peeling tool 125 mm Art. no. 50488	1		

ATTACHMENT PLATE FOR UNIVERSAL PEELING TOOL

In combination with or without extension for universal peeling tools for drilling machine

Art. no.	Dimension	PU	Box unit	Price € pc
50499	for universal peeling tool 50479 – 50484	1		
50500	for universal peeling tool 50485 – 50488	1		



Delivery without drilling machine!

UNIVERSAL PEELING TOOL-SET

20 – 63 mm

Art. no.	Dimension	PU	Box unit	Price € pc
50477	for ø 20 – 63 mm	1		

consisting of:

- 1x case
- Each 1x 50479 – 50484 peeling tool 20 – 63 mm
- 1x 50499 attachment plate for universal peeling tool 50479 – 50484
- 1x 50503 1 toggle-set
- 1x 50504 torx wrench
- 1x 50505 hexagon Allen key size 4
- 6x 99793 6 fixing screws for Art. no. 50489 – 50494 M5x25



UNIVERSAL PEELING TOOL-SET

75 – 125 mm

Art. no.	Dimension	PU	Box unit	Price € pc
50478	for ø 75 - 125 mm	1		

consisting of:

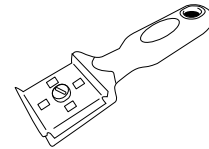
- 1 x case
- Each 1x 50485 – 50488 peeling tool 75 – 125 mm
- 1x 50500 attachment plate for universal peeling tool 50485 – 50488
- 1x 50503 1 toggle-set
- 1x 50504 torx wrench
- 1x 50505 hexagon Allen key size 4
- 6x 99794 6 fixing screws for Art. no. 50495 – 50498 M5x35



MANUAL SCRAPER FOR aquatherm blue pipe OT PIPES

Art. no.	Dimension	PU	Box unit	Price € pc
50509	with 4-fold blade, 35 mm wide	1		

For removal of OT-coat before butt-welding.
In addition the manual scraper can be used for removal of oxid coating for the E-socket welding.



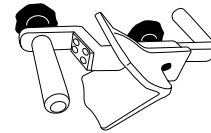
SPARE BLADE SET FOR ART. NO. 50509

Art. no.	Dimension	PU	Box unit	Price € Set
99909	2 pieces = 1 set	1		

CHAMFERING TOOL FOR aquatherm blue pipe OT AND UV PIPES

Art. no.	Dimension	PU	Box unit	Price € pc
50510	Anfasgerät 32-250mm	1		

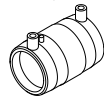
For removing the OT-layer before the butt-welding process and for breaking the edges of the blue pipe for processing the push-fit adapter and push-fit coupling.



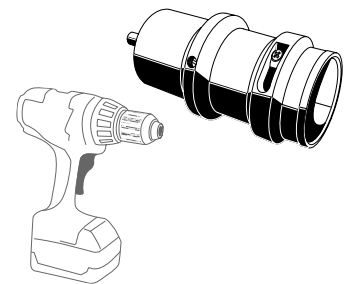
aquatherm PEELING TOOLS FOR ELECTROFUSION SOCKET WELDING (ART. NO.17208 – 17238)

for aquatherm green pipe S, aquatherm green pipe MF, aquatherm green pipe MF RP, aquatherm green pipe MF TI, aquatherm blue pipe S RP, aquatherm blue pipe MF RP and aquatherm blue pipe MF RP TI

Required to remove the **oxid coating**
(aquatherm electrofusion sockets on page 53)



Art. no.	Dimension [mm]	PU	Box unit	Price € pc
<i>In combination with a drilling machine</i>				
50558	20	1		
50560	25	1		
50562	32	1		
50564	40	1		
50566	50	1		
50568	63	1		
50570	75	1		
50572	90	1		



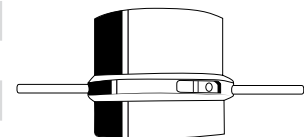
Art. no. 50558 – 50572

In combination with a drilling machine (not included!)

50440	spare blade	1		
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For manual peeling

50574	110	1		
50576	125	1		
50580	160	1		

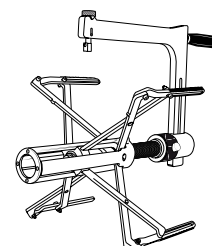


Art. no. 50574 – 50580

50441	spare blade	1		
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For manual peeling

50592	200 + 250	1		
99739	spare blade	1		



Art. no. 50592

Not suitable for aquatherm green pipe UV, aquatherm green pipe MF RP UV, aquatherm blue pipe MF RP UV and aquatherm blue pipe MF RP OT

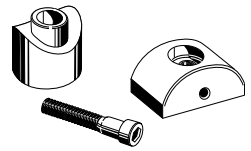
S = single, MF = multi-layer fibre, OT = oxygen-tight, UV = UV-resistant, TI = thermal insulation, RP = raised pressure

Spare parts such as blades can be requested under service@aquatherm.de!

SADDLE WELDING TOOLS

for welding saddles

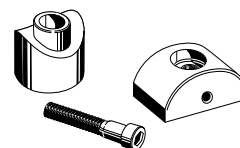
Art. no.	Dimension	PU	Box unit	Price € pc
50614	40x20/25mm	1		
50616	50x20/25mm	1		
50619	63x20/25mm	1		
50620	63x32mm	1		
50623	75x20/25mm	1		
50624	75x32mm	1		
50625	75x40mm	1		
50627	90x20/25mm	1		
50628	90x32mm	1		
50629	90x40mm	1		
50631	110x20/25mm	1		
50632	110x32mm	1		
50634	110x40mm	1		
50635	110x50mm	1		
50636	125x20/25mm	1		
50638	125x32mm	1		
50640	125x40mm	1		
50642	125x50mm	1		
50644	125x63mm	1		
50648	160x20/25mm	1		
50650	160x32mm	1		
50652	160x40mm	1		
50654	160x50mm	1		
50656	160x63mm	1		
50657	160x75mm	1		
50658	160x90mm	1		
50660	200x20/25mm	1		
50662	200x32mm	1		
50664	200x40mm	1		
50666	200x50mm	1		
50667	200x75mm	1		
50668	200x63mm	1		
50669	200x90mm	1		
50670	200x110mm	1		
50671	200x125mm	1		
50672	250x20/25mm	1		
50674	250x32mm	1		
50676	250x40mm	1		
50678	250x50mm	1		
50680	250x63mm	1		
50682	250x75mm	1		



SADDLE WELDING TOOLS

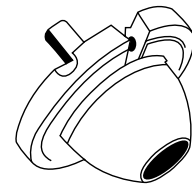
for welding saddles

Art. no.	Dimension	PU	Box unit	Price € pc
50684	250x90mm	1		
50686	250x110mm	1		
50688	250x125mm	1		
50690	315x63mm	1		
50692	315x75mm	1		
50694	315x90mm	1		
50696	315x110mm	1		
50698	315x125mm	1		
50699	315x160mm	1		
50712	355x63mm	1		
50714	355x75mm	1		
50716	355x90mm	1		
50718	355x110mm	1		
50720	355x125mm	1		
50722	355x160mm	1		
50726	400-630x63mm	1		
50728	400-500x75mm	1		
50730	630x75mm	1		
50732	400-500x90mm	1		
50734	630x90mm	1		
50736	400-450x110mm	1		
50738	500x110mm	1		
50740	630x110mm	1		
50742	400x125mm	1		
50744	450-500x125mm	1		
50746	630x125mm	1		



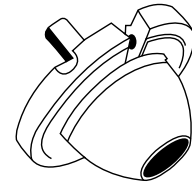
SADDLE PEELING TOOLS FOR OT UND UV PIPES Ø 50 – 125 mm

Art. no.	Dimension	PU	Box unit	Price € pc
50921	for welding saddles 20 & 25 mm	1		
50922	for ø 32 mm	1		
50924	for ø 40 mm	1		
50926	for ø 50 mm	1		
50928	for ø 63 mm	1		



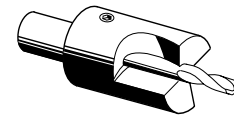
SADDLE PEELING TOOLS FOR OT UND UV PIPES Ø 160 – 250 mm

Art. no.	Dimension	PU	Box unit	Price € pc
50421	for welding saddles ø 20 & 25 mm	1		
50422	for welding saddles ø 32 mm	1		
50424	for welding saddles ø 40 mm	1		
50426	for welding saddles ø 50 mm	1		
50428	for welding saddles ø 63 mm	1		



DRILLS for installation of weld-in saddles

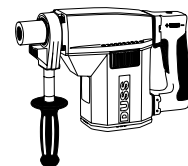
Art. no.	Dimension	PU	Box unit	Price € m/pc
50940	20&25mm (40-160mm)	1		
50941	20&25mm (63-250mm)	1		
50942	32mm	1		
50944	40mm	1		
50946*	50mm	1		
50948*	63mm	1		



* may only be used in fixed drilling machines!

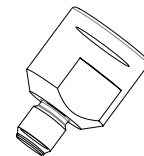
DRILL DUSS DIA303

Art. no.	Dimension	PU	Box unit	Price € pc
50978		1		



CHUCK ADAPTER FOR ART. NO. 50971

Art. no.	Dimension	PU	Box unit	Price € pc
50969		1		



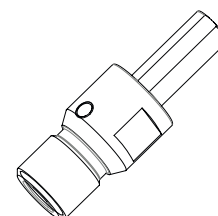
KEYLESS CHUCK clamping range 1,5 – 13mm

Art. no.	Dimension	PU	Box unit	Price € pc
50971		1		



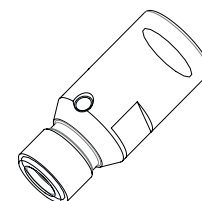
HOLE SAW HOLDER LSA3

Art. no.	Dimension	PU	Box unit	Price € pc
50976	1/2" for drill chuck	1		



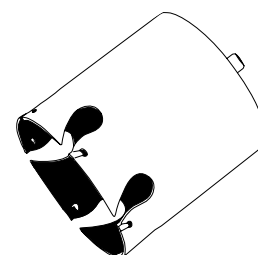
HOLE SAW HOLDER LSA2

Art. no.	Dimension	PU	Box unit	Price € pc
50974	1/2" for DUSS-machines	1		



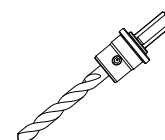
SADDLE-HOLE SAW FOR BRANCH *for assembly of weld-in saddles*

Art. no.	Dimension	Required items	PU	Box unit	Price € pc
50987	75mm	50973	1		
50988	90mm	50973	1		
50989	110mm	50975 & 50976	1		
50990	125mm	50975 & 50976	1		
50991	160mm	50975 & 50976	1		



QUICK CHANGE ADAPTER 75 – 90MM

Art. no.	Dimension	PU	Box unit	Price € pc
50973	for Art. no. 50987 – 50988	1		



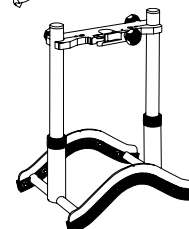
CENTER DRILL LSZ 1

Art. no.	Dimension	PU	Box unit	Price € pc
50975	with capture sleeve	1		



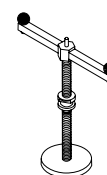
DRILL RIG FOR DUSS-DRILL

Art. no.	Dimension	PU	Box unit	Price € pc
50977		1		

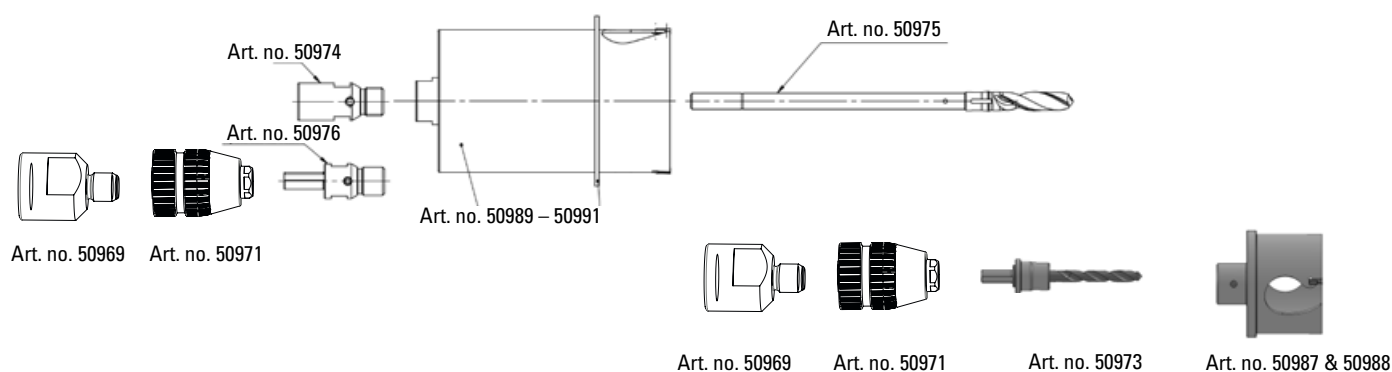


WELDING FIXTURE FOR DRILL RIG 50977

Art. no.	Dimension	PU	Box unit	Price € pc
50979		1		



HOLE SAW SYSTEM



HOT TAPPING TOOL

for drilling of pipes under pressure

The hot tapping tool (Art. no. 50890) is used for drilling pipes for branch connections in the dimensions 40 and 63 mm.

The PP-main pipes aquatherm green pipe and blue pipe with the **pipe structure S and MF UV** from 75 mm to 630 mm can be drilled under **medium pressure (water) of maximum 6 bar** and a **medium temperature of 10 – 60 °C**.

Notice: do not use with aquatherm blue pipe OT

HOT TAPPING TOOL

for weld-on saddle set with ball valve

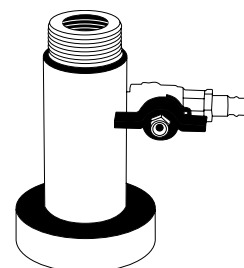
Art. no.	Dimension	PU	Box unit	Price € pc
50890	for dimension 40 + 63mm	1		



ADAPTER FOR WELD-ON SADDLE SET WITH BALL VALVE 40 MM

for installation under pressure

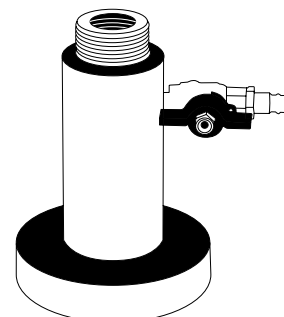
Art. no.	Dimension [mm]	PU	Box unit	Price € pc
50891	40	1		



ADAPTER FOR WELD-ON SADDLE SET WITH BALL VALVE 63 MM

for installation under pressure

Art. no.	Dimension [mm]	PU	Box unit	Price € pc
50892	63	1		

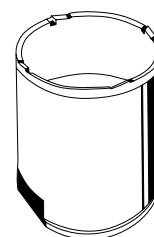


PP-MILLING CUTTER FOR WELD-ON SADDLE SET WITH BALL VALVE 40 MM

for installation under pressure

for Art. no. 50891

Art. no.	Dimension [mm]	PU	Box unit	Price € pc
50893	40	1		

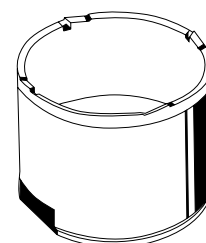


PP-MILLING CUTTER FOR WELD-ON SADDLE SET WITH BALL VALVE 63 MM

for installation under pressure

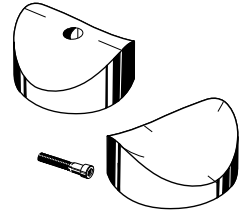
for Art. no. 50892

Art. no.	Dimension [mm]	PU	Box unit	Price € pc
50894	63	1		



aquatherm WELD-ON SADDLE TOOL

for weld-on saddle set with ball valve for installation under pressure for hot tapping tool Art. no. 50890
Not suitable for aquatherm blue pipe OT!



Art. no.	Dimension	PU	Box unit	Price € pc
50760	75x40mm	1		
50761	90x40mm	1		
50762	110x40mm	1		
50763	125x40mm	1		
50764	125x63mm	1		
50765	160x40mm	1		
50766	160x63mm	1		
50767	200x40mm	1		
50768	200x63mm	1		
50769	250x40mm	1		
50770	250x63mm	1		
50771	315x63mm	1		
50772	355x63mm	1		
50773	400-630x63mm	1		

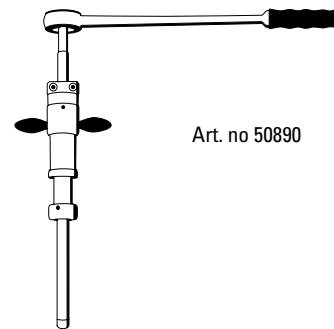
HOT TAPPING TOOL

for drilling pipes under pressure

The hot tapping tool (Art. no. 50890) is for drilling of pipelines. PP-main pipes from 75 mm to 630 mm can be drilled under pressure.

The following accessories are required for processing:

adapter for ball valve 40 mm	Art. no. 50891
adapter for ball valve 63 mm	Art. no. 50892
PP-milling cutter 40 mm	Art. no. 50893
PP-milling cutter 63 mm	Art. no. 50894
aquatherm weld-on saddle tool	Art. no. 50760 – 50773
aquatherm weld-on saddle set with ball valve (p. 104)	Art. no. 16175 – 16300



Art. no 50890

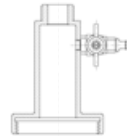
Art. no 50893



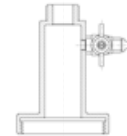
Art. no 50894



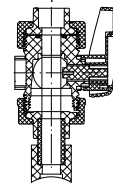
Art. no 50891



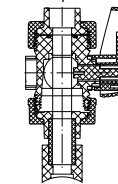
Art. no 50892



Art. no
16175
16181
16188
16196
16212
16231
16251

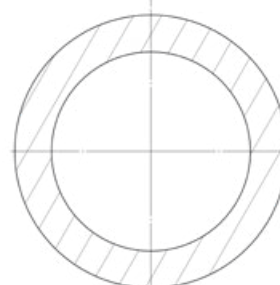


Art. no
16198
16216
16233
16253
16260
16300



In combination with
weld-on saddle tool

Art. no
50760
50761
50762
50763
50765
50767
50769



In combination with
weld-on saddle tool

Art. no
50764
50766
50768
50770
50771
50772
50773

WELDING PROCESS TOOLS AND EQUIPMENT

for pipes with additional outer layer/protection layer

aquatherm green pipe

SDR 7.4 MF UV || SDR 9 MF RP UV

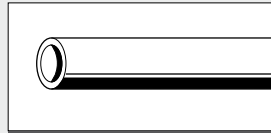
aquatherm blue pipe

SDR 7.4 MF UV || SDR 9/11/17.6 MF RP UV

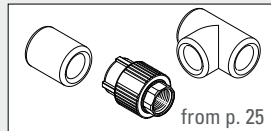
SDR 7.4 MF OT || SDR 9/11 MF RP OT

PIPES & FITTINGS CUTTING PEELING DRILLING SADDLE PEELING / CHAMFERING

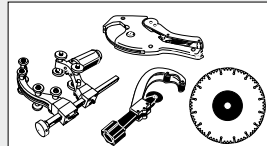
1. SOCKET WELDING 16 – 125 mm



Pipes specified above



Socket welding fittings



Pipe cutter p.94,120

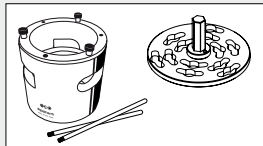
50104 \varnothing 16 – 40 mm

Pipe cutter p. 94

50102/50105/50106 \varnothing 16 – 200 mm

Cutting disc p. 94

50107 \varnothing 125 mm/50109 \varnothing 230 mm



Universal peeling tool p. 97

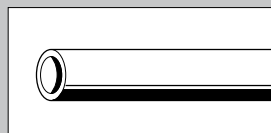
50479 – 50488

20 – 125 mm (16 mm on request)

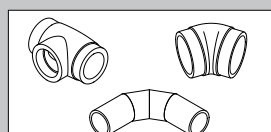
+ (opt.) Attachment plate* p. 98

50499/50500

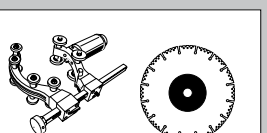
2. BUTT WELDING 160 – 630 mm



Pipes specified above



Butt welding fittings



Pipe cutter p. 94

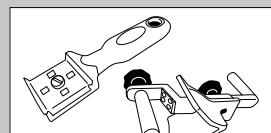
50106 \varnothing 110 – 200 mm

Orbital circular saw p. 94

50108 \varnothing 160 – 355 mm

Cutting disc p. 94

50107 \varnothing 125 mm/50109 \varnothing 230 mm



Scraper/Chamfering tool

for OT pipes p. 99

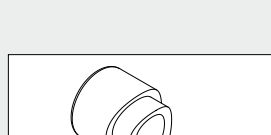
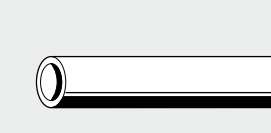
50509

99909

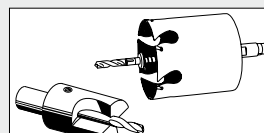
Cutter for UV-pipes

not available with aquatherm!

3. SADDLE WELDING 20 – 160 mm



Weld-in saddles



for OT pipes

Saddle welding tools* p. 102

50921 – 50928 for \varnothing 50 – 125 mm

50421 – 50428 for \varnothing 160 – 250 mm

Drill p. 102

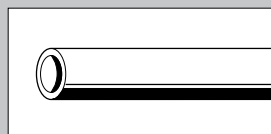
50940 – 50948 50987 – 50991

20 – 63 mm 75 – 315mm

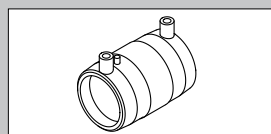
*From 50 mm we recommend

the application of drill presses.

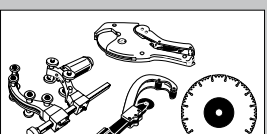
4. ELECTROFUSION SOCKET WELDING 20 – 125 mm



Pipes specified above



Electrofusion sockets p. 53



Pipe cutter p. 94,120

50104 \varnothing 16 – 40 mm

Pipe cutter p. 94

50102/50105/50106 \varnothing 16 – 200 mm

Cutting disc p. 94

50107 \varnothing 125mm/50109 \varnothing 230mm



Universal peeling tool p. 97

50479 – 50488 for \varnothing 20 – 125 mm

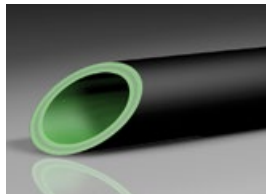
+ Extension p. 98

50489 – 50498

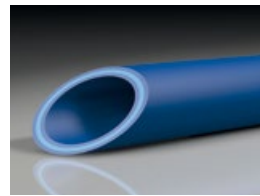
+ (opt.) Attachment plate* p. 98

50499/50500

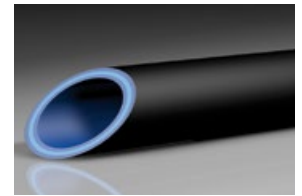
PIPES & FITTINGS CUTTING PEELING DRILLING SADDLE PEELING / CHAMFERING



aquaTherm green pipe
SDR 7.4 MF UV || SDR 9 MF RP UV
Page 17



aquaTherm blue pipe
SDR 7.4 MF OT
SDR 9/11 MF RP OT Page 23



aquaTherm blue pipe
SDR 7.4 MF UV
SDR 9/11/17.6 MF RP UV Page 22


CLEANING

MEASUREMENT
OF TEMPERATURE


WELDING TOOLS

MANUAL WELDING DEVICES OR

WELDING MACHINES




Cleaning wipes p. 96
50193



Surface thermometer p. 96
50188

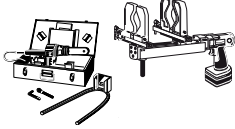
OR



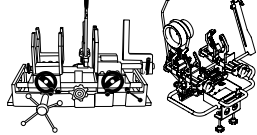
Temperature pencil p. 96
50190




Welding tools p. 96
50210 – 50226




Manual welding device p. 94
50336 \varnothing 16 – 32 mm
50337 \varnothing 16 – 63 mm
50341 \varnothing 50 – 125 mm
(opt.) Electric welding jig p. 95
50161 for \varnothing 63 – 125 mm



Welding machine p. 95
50148 for \varnothing 50 – 125 mm
Welding machine Light p. 95
50145 for \varnothing 63 – 125 mm




Cleaning wipes p. 96
50193



Surface thermometer p. 96
50188

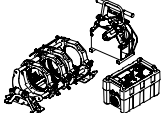
OR




Temperature pencil p. 96
50190

Blank space


Blank space



Butt-welding
two-ring machine p. 95
50350 – 50351 \varnothing 160 – 315 mm
Butt welding machine
p. 95 / 96
50352 – 50357 \varnothing 160 – 630 mm
50165 – 50177 \varnothing 160 – 630 mm




Cleaning wipes p. 96
50193

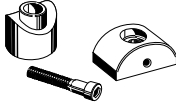


Surface thermometer p. 96
50188

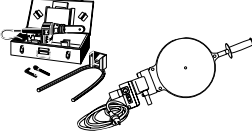
OR



Temperature pencil p. 96
50190




Saddle welding tools p. 100
50614 – 50746



Manual welding device p. 94
50336 \varnothing 16 – 32 mm
50337 \varnothing 16 – 63 mm
50341 \varnothing 50 – 125 mm
50330 \varnothing 50 – 160 mm

Blank space

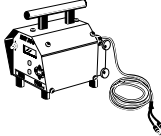


Cleaning wipes p. 96
50193

Blank space

Blank space

Blank space



Electrofusion device p. 96
50175 \varnothing 20 – 250 mm

CLEANING

MEASUREMENT
OF TEMPERATURE

WELDING TOOLS

MANUAL WELDING DEVICES OR

WELDING MACHINES

WELDING PROCESS TOOLS AND EQUIPMENT

for pipes without additional outer layer/protection layer

aquatherm green pipe

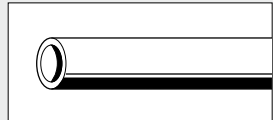
SDR 6/7.4/11 S || SDR 7.4/11 MF || SDR 9 MF RP

aquatherm blue pipe

SDR 11 S || SDR 7.4 MF || SDR 9/11/17.6 MF RP

PIPES & FITTINGS CUTTING PEELING DRILLING SADDLE PEELING / CHAMFERING

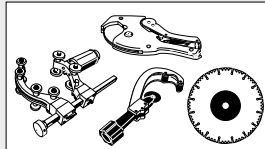
1. SOCKET WELDING 16 – 125 mm



Pipes specified above

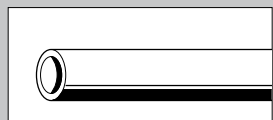


Socket welding fittings from p. 25

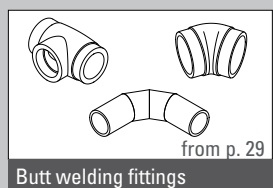


Pipe cutter p.94,120
50104 \varnothing 16 – 40 mm
Pipe cutter p. 94
50102/50105/50106 \varnothing 16 – 200 mm
Cutting disc p. 94
50107 \varnothing 125 mm/50109 \varnothing 230 mm

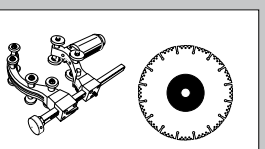
2. BUTT WELDING 160 – 630 mm



Pipes specified above

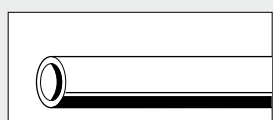


Butt welding fittings from p. 29



Pipe cutter p. 94
50106 \varnothing 110 – 200 mm
Orbital circular saw p. 94
50108 \varnothing 160 – 355 mm
Cutting disc p. 94
50107 \varnothing 125 mm/50109 \varnothing 230 mm

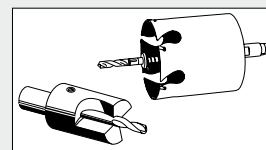
3. SADDLE WELDING 20 – 160 mm



Pipes specified above

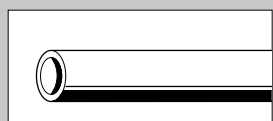


Weld-in saddles from p. 43

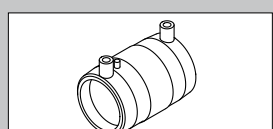


Drill p. 102
50940 – 50948 50987 – 50991
20 – 63mm 75 – 315mm
From 50 mm we recommend the application of drill presses.

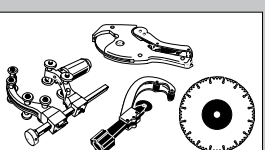
4. ELECTROFUSION SOCKET WELDING 20 – 250 mm



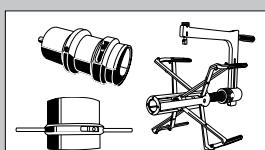
Pipes specified above



Electrofusion sockets p. 53

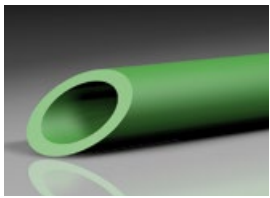


Pipe cutter p.94,120
50104 \varnothing 16 – 40 mm
Pipe cutter p. 94
50102/50105/50106 \varnothing 16 – 200 mm
Cutting disc p. 94
50107 \varnothing 125 mm/50109 \varnothing 230 mm

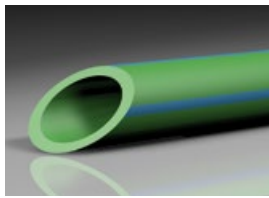


Peeling tools * p. 99
50558 – 50572
20 – 90 mm
Manual peeling tools p. 99
50574 – 50592
110 – 250 mm

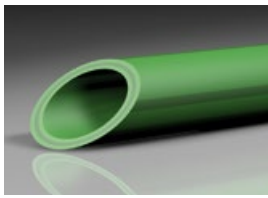
PIPES & FITTINGS CUTTING PEELING DRILLING SADDLE PEELING / CHAMFERING



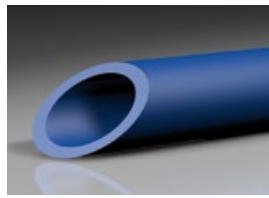
aquaTherm green pipe
SDR 6/7.4 S
Page 18



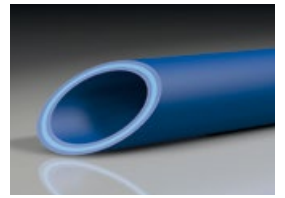
aquaTherm green pipe
SDR 11 S/MF
Page 19



aquaTherm green pipe
SDR 7.4 MF / SDR 9 MF RP
Page 15



aquaTherm blue pipe
SDR 11 S
Page 23



aquaTherm blue pipe
SDR 7.4 MF
SDR 9/11/17.6 MF RP Page 21

CLEANING

MEASUREMENT
OF TEMPERATURE

WELDING TOOLS

MANUAL WELDING DEVICES OR

WELDING MACHINES



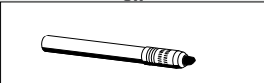
Cleaning wipes p. 96
50193



Surface thermometer p. 96

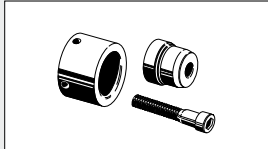
50188

OR

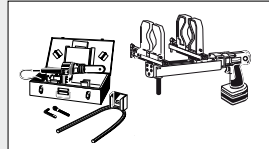


Temperature pencil p. 96

50190



Welding tools p. 96
50210 – 50226



Manual welding device p. 94

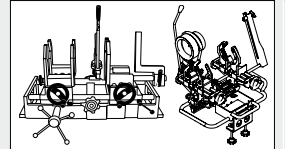
50336 \varnothing 16 – 32 mm

50337 \varnothing 16 – 63 mm

50341 \varnothing 50 – 125 mm

(opt.) Electric welding jig p. 95

50161 for \varnothing 63 – 125 mm



Welding machine p. 95

50148 for \varnothing 50 – 125 mm

Welding machine Light p. 95

50145 for \varnothing 63 – 125 mm



Cleaning wipes p. 96
50193



Surface thermometer p. 96

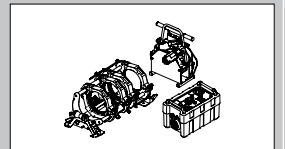
50188

OR



Temperature pencil p. 96

50190



Butt-welding
two-ring machine p. 95

50350 – 50351 \varnothing 160 – 315 mm

Butt-welding machine
p. 95 / 96

50352 – 50357 \varnothing 160 – 630 mm

50165 – 50177 \varnothing 160 – 630 mm



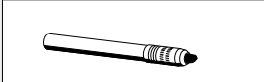
Cleaning wipes p. 96
50193



Surface thermometer p. 96

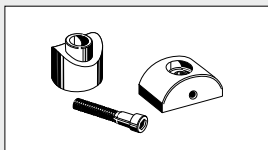
50188

OR



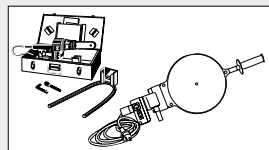
Temperature pencil p. 96

50190



Saddle welding tools p.100

50614 – 50746



Manual welding device p. 94

50336 \varnothing 16 – 32 mm

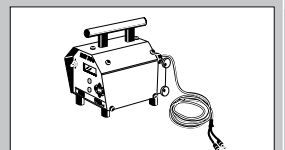
50337 \varnothing 16 – 63 mm

50341 \varnothing 50 – 125 mm

50330 \varnothing 50 – 160 mm



Cleaning wipes p. 96
50193



Electrofusion device p. 96

50175 \varnothing 20 – 250 mm

CLEANING

MEASUREMENT
OF TEMPERATURE

WELDING TOOLS

MANUAL WELDING DEVICES OR

WELDING MACHINES

SLIDING SLEEVE TECHNOLOGY TOOLS AND EQUIPMENT

aquatherm grey pipe

Multi-layer metal composite pipe 16 – 32 mm

aquatherm orange system

PE-RT-pipe 16 – 25 mm

aquatherm black system

Drywall-heating element with sliding sleeve connection

PIPES & FITTINGS

FALSE JAWS

EXPANDING

TOOL INSERTS

MOUNTING

1. MANUAL ASSEMBLY MULTI-LAYER METAL COMPOSITE PIPE 16 – 32 mm

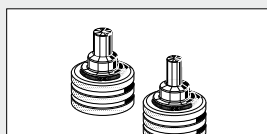


Pipes specified above



from p. 114

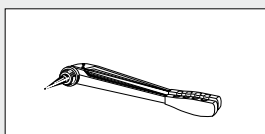
Fittings with sliding sleeves



False jaws p. 121

50857 – 50862

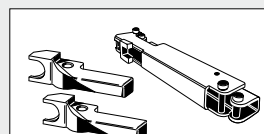
ø 16 – 32 mm



Expanding tool p. 121

50800

ø 10 – 40 mm

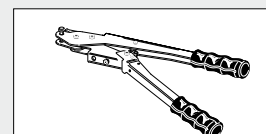


Tool insert p. 121

50825 – 50832 for ø 14 – 32 mm

+(opt.) Angle attachment p.121

50803



Mounting tool p. 121

50802

ø 10 – 40 mm

2. MACHINE ASSEMBLY MULTI-LAYER METAL COMPOSITE PIPE 16 – 32 mm

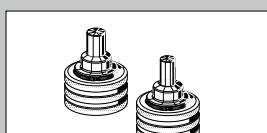


Pipes specified above



from p. 114

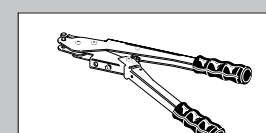
Fittings with sliding sleeves



False jaws p. 121

50857 – 50862

ø 16 – 32 mm



Mounting tool p. 121

50802

ø 10 – 40 mm

PIPES & FITTINGS

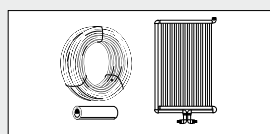
FALSE JAWS

EXPANDING

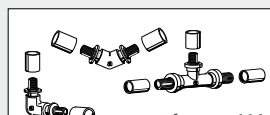
TOOL INSERTS

MOUNTING

3. MANUAL ASSEMBLY PE-RT-PIPE 16 – 25 mm, DRY WALL HEATING ELEMENT sliding sleeve connection

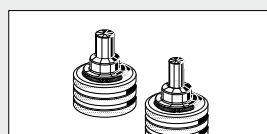


Pipes specified above



from p. 114

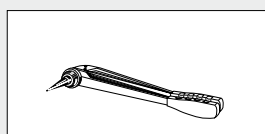
Fittings with sliding sleeves



False jaws p. 101

50815 – 50820

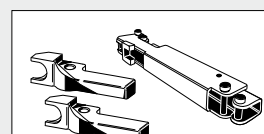
ø 14 – 25 mm



Expanding tool p. 121

50800

ø 10 – 40 mm

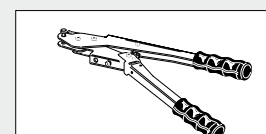


Tool insert p. 121

50825 – 50832 for ø 14 – 42 mm

+(opt.) Angle attachment p.121

50803

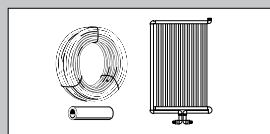


Mounting tool p. 121

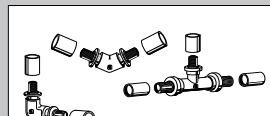
50802

ø 10 – 40 mm

4. MACHINE ASSEMBLY PE-RT PIPE 16 – 25 mm, DRY WALL HEATING ELEMENT sliding sleeve connection

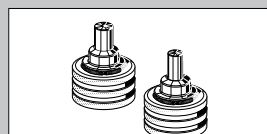


Pipes specified above



from p. 114

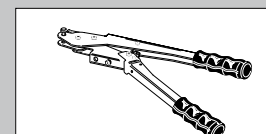
Fittings with sliding sleeves



False jaws p. 121

50815 – 50820

ø 14 – 25 mm



Mounting tool p. 121

50802

ø 10 – 40 mm



aquatherm grey pipe

POTABLE WATER AND HEATING CONNECTION SYSTEM

aquatherm grey pipe can be used for drinking water installations or radiator connections. The installation pipe system consists of high-quality multi-layer metal-composite pipe. Depending on the application, you can choose between insulated and non-insulated pipes. All pipes are DVGW certified and are oxygen-tight.

aquatherm grey pipe is characterized by its good flexibility and high dimensional stability. It is connected using sliding sleeve technology, which offers significant advantages for flexible floor connections. Whether as radiator connections or in sanitary wall installations: permanent tight connections between small dimensions connecting pipes, brass, and plastic fittings can be created easily and with minimal tools.

The typical fields of application for aquatherm grey pipe are the potable water installation or the radiator connection.

- ▶ Extensive product range
- ▶ Dimension 16 – 32 mm
- ▶ No corrosion or incrustation
- ▶ Absolutely safe and proven connection technology
- ▶ Oxygen barrier
- ▶ Suitable for each water quality
- ▶ Quick and safe installation
- ▶ By means of bending tool even narrow installation situations are feasible
- ▶ Low weight
- ▶ Combinable with the **aquatherm green pipe** system
- ▶ Pressure and temperature resistant

Fields of application

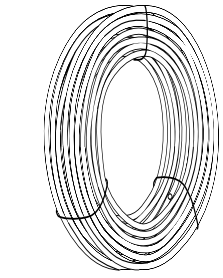


aquatherm grey pipe MULTI-LAYER-METAL COMPOSITE PIPE

oxygen-tight

Art. no.	Dimension [mm]	PU	Box unit	Price € m
... ring				
777070	16	100		
777072	20	100		
... in length à 4 m				
777050	16	100		
777052	20	65		
777054	26	45		
777056	32	35		

Material: PE-X Application field: Potable water/heating
 Color: white Operating temperature: 70 °C
 Form supplied: ring/straight length DVGW-Registr.-No.: DW-8216 BT0628
 DW-8217 AT2505
 According to: DIN 4726 oxygen-tight



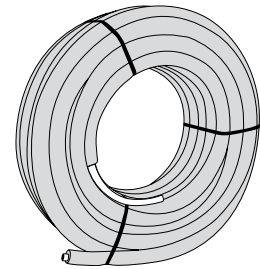
Please use only the suitable expansion tools Art. no. 50857, 50860, 50862 for the multi-layer-metal composite pipe.

aquatherm grey pipe MULTI-LAYER-METAL COMPOSITE PIPE

oxygen barrier, with Polyethylene foam insulation and tear-proof PE-protection layer

Art. no.	Dimension	PU	Box unit	Price € m
777030	16x2mm	50		
777032	20x2mm	50		

Material: PE-X Application field: Potable water/heating
 Color: white DVGW-Registr.-No.: DW-8216 BT0628
 DW-8217 AT2505
 Form supplied: ring According to: DIN 4726 oxygen-tight
 Operating temperature: 70 °C Thermal conductivity of insulation: 0,040 W/mK
 Insulation thickness: 10 mm



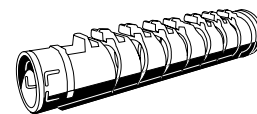
Please use only the suitable expansion tools Art. no. 50857, 50860, 50862 for the multi-layer-metal composite pipe.

aquatherm grey pipe

aquatherm grey pipe SNAP IN RADIUS SUPPORT

Art. no.	for pipe dimensions	PU	Price € pc
79566	16 & 17mm	25	

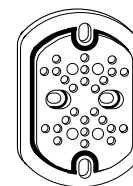
Material: PE
 Colour: black



aquatherm grey pipe SOUND INSULATION PLATE

for aquatherm green pipe and aquatherm grey pipe back plate elbow

Art. no.	Dimension	PU	Price € pc
79080		2	

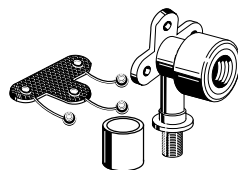
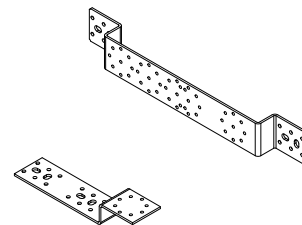


See Z-measures, page 56.

MOUNTING RAIL (TWIN)

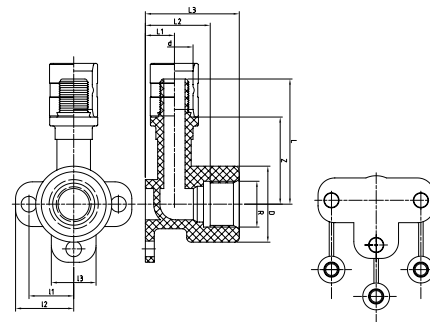
Art. no.	Dimension	PU	Price € pc
79095	twin	2	

galvanized, for fixing of back plate
See Z-measures, page 57.



aquatherm grey pipe BACK PLATE ELBOW

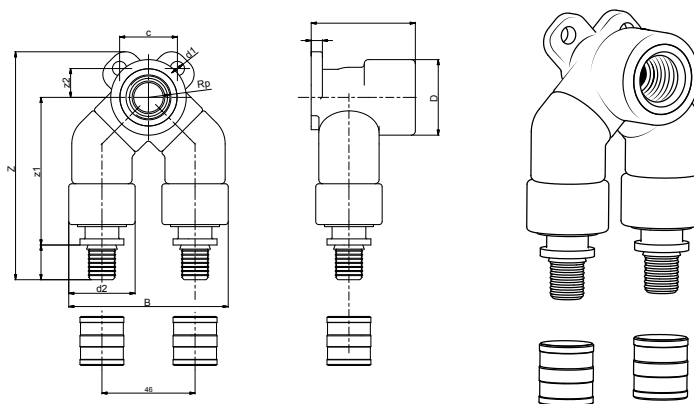
including sliding sleeve – for aquatherm grey pipe Art. no. 777050 ... 777072



Art. no.	d [mm]	R	D [mm]	Z [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	I1 [mm]	I2 [mm]	I3 [mm]	PU	Price € m/pc
779000	16	1/2"	34,0	39,0	56,0	13,0	29,0	42,0	20,0	26,0	20,0	1	
779002	20	3/4"	40,0	42,0	59,0	13,0	29,0	42,0	25,0	31,0	20,0	1	
779004	20	1/2"	34,0	39,0	56,0	13,0	29,0	42,0	0,00	26,0	20,0	1	

Material: PPSU/brass
including acoustic panel (PP)
proper to sound insulation plate Art. no. 79080

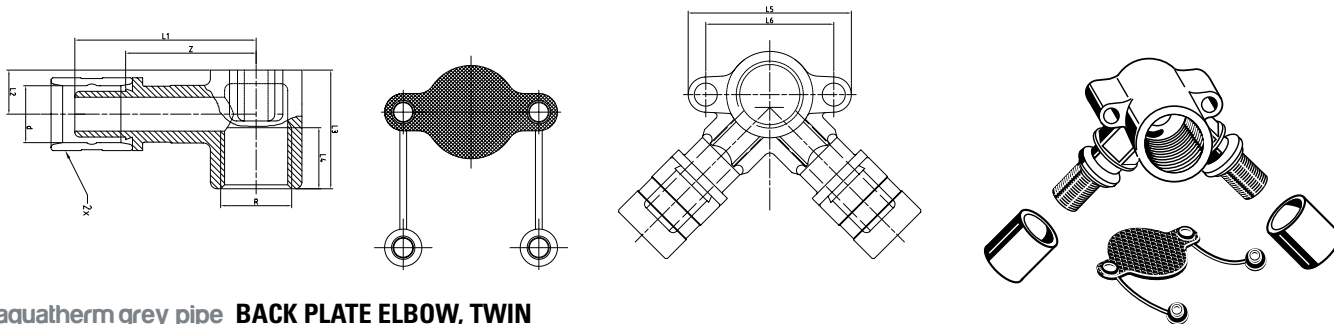
PRINCIPLE OF FLOW-THROUGH BACK PLATE ELBOW



aquatherm grey pipe FLOW-THROUGH BACK PLATE ELBOW, PARALLEL

including sliding sleeve – for aquatherm grey pipe Art. no. 777050 ... 777072

Art. no.	Dimensions	D [mm]	d1 [mm]	d2 [mm]	Z [mm]	z1 [mm]	z2 [mm]	PU	Box unit	Price € pc
779050	16 mm x 1/2" f x 16 mm	37,0	7,0	34,5	111,7	72,3	14,1	1		
779052	20 mm x 1/2" f x 20 mm	37,0	7,0	32,5	111,7	72,3	14,1	1		



aquatherm grey pipe BACK PLATE ELBOW, TWIN

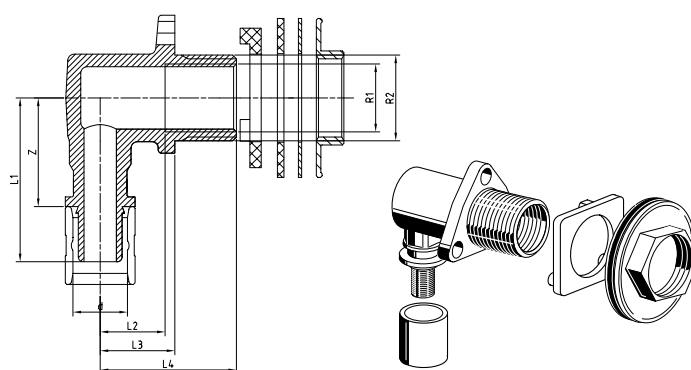
including sliding sleeves

for aquatherm grey pipe Art. no. 777050 ... 777072

Art. no.	d [mm]	Z [mm]	L1 [mm]	L2 [mm]	L3 [mm]	R	L4 [mm]	L5 [mm]	PU	Price € m/pc
779010	16	38,5	53,5	13,0	35,0	1/2"	18,0	51,0	1	

Material: brass

including acoustic panel (PP)



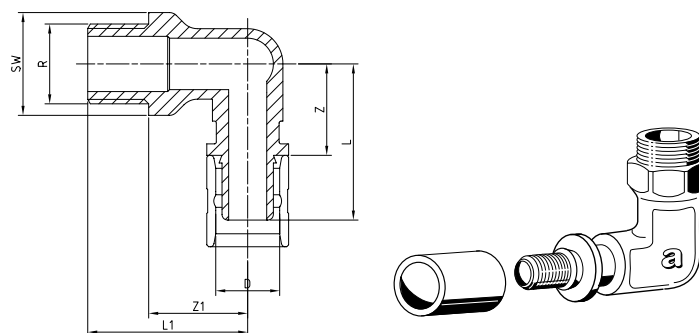
aquatherm grey pipe CONNECTING ELBOW FOR CONCEALED CISTERN

including sliding sleeve – for aquatherm grey pipe Art. no. 777050 ... 777072

Art. no.	d [mm]	Z [mm]	L1 [mm]	L2 [mm]	L3 [mm]	R	L4 [mm]	L5 [mm]	PU	Price € m/pc
779020	16	33,5	50,5	20,0	23,0	1/2"	42,0	51,0	1	

Material: brass

including counter nut, gasket and spring washer

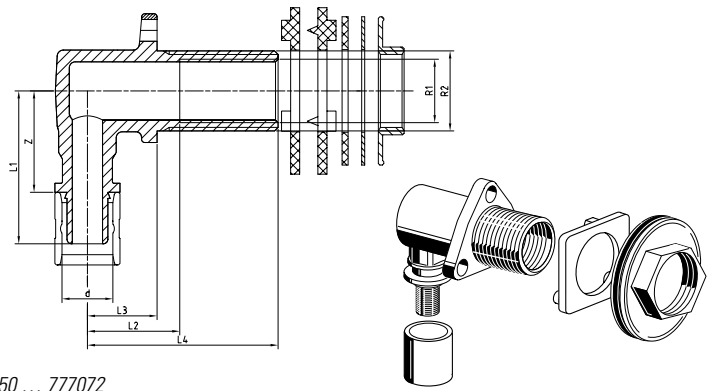


aquatherm grey pipe TRANSITION ELBOW

including sliding sleeve – for aquatherm grey pipe Art. no. 777050 ... 777072

Art. no.	D [mm]	R	Z [mm]	Z1 [mm]	L [mm]	L1 [mm]	SW [mm]	PU	Price € m/pc
779030	16	1/2"	24,0	26,0	41,0	42,0	24	2	
779032	20	1/2"	24,0	26,0	41,0	42,0	24	2	
779033	20	3/4"	25,5	21,0	42,5	38,0	-	2	
779034	25	3/4"	26,0	21,0	44,0	38,0	-	2	
779038	32	1"	33,0	29,0	54,0	47,0	-	2	

Material: brass

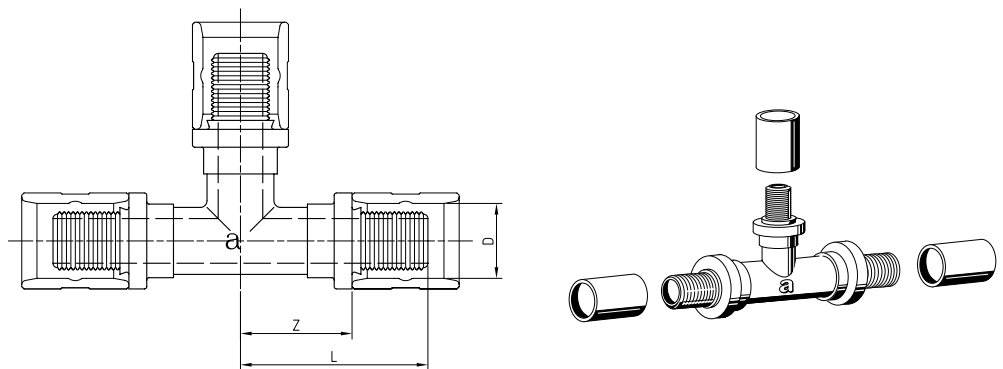


aquatherm grey pipe **CONNECTING ELBOW**

for dry construction, including sliding sleeve – for aquatherm grey pipe Art. no. 777050 ... 777072

Art. no.	d [mm]	R1	Z [mm]	L1 [mm]	R2	L2 [mm]	L3 [mm]	L4 [mm]	PU	Price € m/pc
779040	16	1/2"	33,5	50,5	3/4"	30,5	23,0	63,0	2	

Material: brass
including counternut, gasket and 2 spring washers

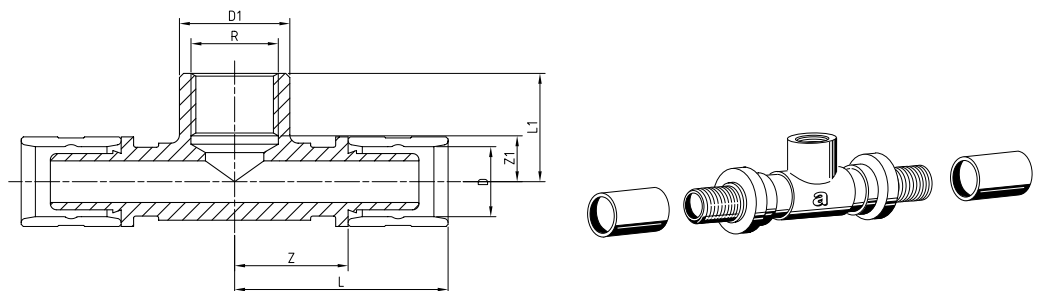


aquatherm grey pipe **TEE**

including sliding sleeves – for aquatherm grey pipe Art. no. 777050 ... 777072

Art. no.	D [mm]	Z [mm]	L [mm]	PU	Price € m/pc
779100	16	25,0	42,0	2	
779102	20	24,0	41,0	2	
779104	25	27,0	45,0	2	
779106	32	33,8	54,8	2	

Material: PPSU/brass

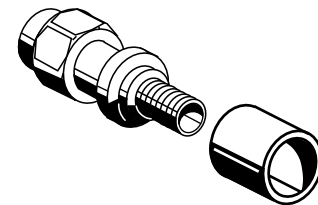
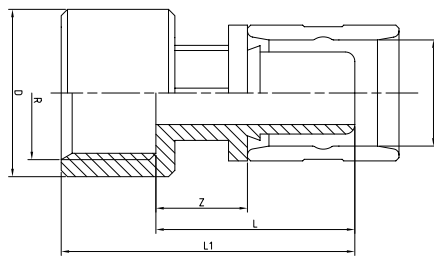


aquatherm grey pipe **TEE WITH FEMALE THREAD**

including sliding sleeve – for aquatherm grey pipe Art. no. 777050 ... 777072

Art. no.	D [mm]	R	Z [mm]	L [mm]	D1 [mm]	L1 [mm]	Z1 [mm]	PU	Price € m/pc
779160	16	1/2"	27,3	44,3	26,5	26,0	11,0	2	
779162	20	1/2"	26,3	43,3	26,3	26,0	11,0	2	
779163	25	1/2"	30,0	54,0	32,0	28,0	9,0	2	
779164	25	3/4"	31,0	48,0	32,0	28,0	11,0	2	
779166	32	3/4"	31,0	52,0	32,0	30,0	13,0	1	

Material: brass

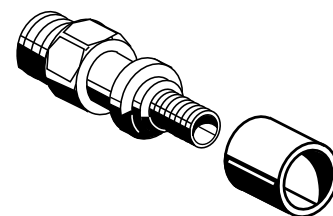
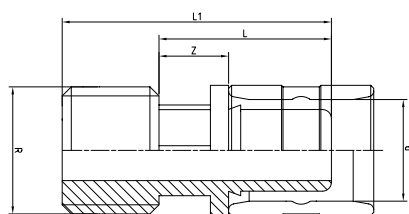


aquatherm grey pipe TRANSITION PIECE

including sliding sleeve – for aquatherm grey pipe Art. no. 777050 ... 777072

Art. no.	d [mm]	R	Z [mm]	L [mm]	L1 [mm]	D [mm]	PU	Price € m/pc
779182	16	1/2"	14,5	31,5	46,5	26,5	2	
779184	20	1/2"	14,5	31,5	46,5	26,5	2	
779186	20	3/4"	14,5	31,5	48,5	32,5	2	
779188	25	3/4"	16,5	34,5	51,5	32,5	2	
779189	25	1"	16,5	34,5	53,5	40,0	2	
779192	32	1"	20,0	41,0	60,0	40,0	2	

Material: brass

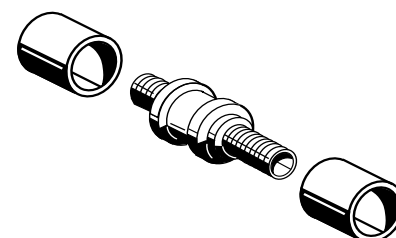
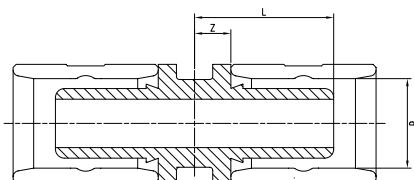


aquatherm grey pipe TRANSITION PIECE

with male thread, including sliding sleeve – for aquatherm grey pipe Art. no. 777050 ... 777072

Art. no.	d [mm]	R	Z [mm]	L [mm]	L1 [mm]	PU	Price € m/pc
779199	25	1"	13,5	31,5	51,5	2	
779200	16	1/2"	11,5	28,5	44,5	2	
779202	20	1/2"	11,5	28,5	44,5	2	
779203	20	3/4"	12,5	29,5	45,5	2	
779204	25	3/4"	14,5	31,5	47,5	2	
779205	25	1/2"	11,5	29,5	45,5	2	
779206	32	3/4"	14,5	35,5	51,5	2	
779208	32	1"	17,0	38,0	58,0	2	

Material: brass

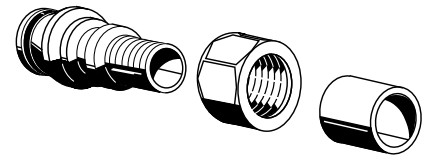
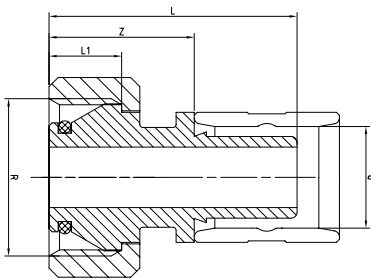


aquatherm grey pipe COUPLING

including sliding sleeves – for aquatherm grey pipe Art. no. 777050 ... 777072

Art. no.	d [mm]	Z [mm]	L [mm]	PU	Price € pc
779210	16	6,0	23,0	2	
779212	20	6,0	23,0	2	
779214	25	7,3	25,3	2	
779216	32	9,0	30,0	2	

Material: brass

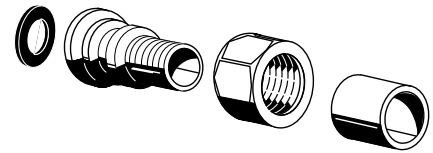
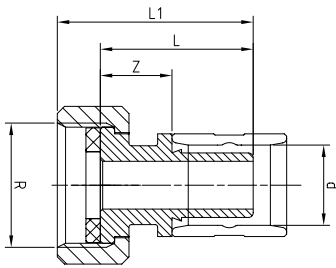


aquatherm grey pipe EUROCONUS ADAPTER

including sliding sleeve – for aquatherm grey pipe Art. no. 777050 ... 777072

Art. no.	d [mm]	R	Z [mm]	L [mm]	L1 [mm]	PU	Price € pc
779220	16	3/4"	24,0	41,0	12,0	2	
779222	20	3/4"	30,0	47,0	15,0	2	

Material: brass
for customary manifolds/joints

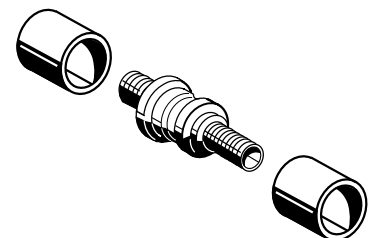
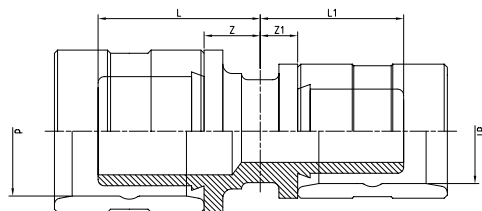


aquatherm grey pipe TRANSITION SCREW JOINT

including sliding sleeve and gasket – for aquatherm grey pipe Art. no. 777050 ... 777072

Art. no.	d [mm]	R	Z [mm]	L [mm]	L1 [mm]	PU	Price € m/pc
779230	16	3/4"	15,0	32,0	41,0	2	
779232	20	1"	15,5	32,5	45,0	2	
779240	20	3/4"	22,0	39,0	48,0	2	
779242	25	1"	28,0	46,0	57,5	1	

Material: brass



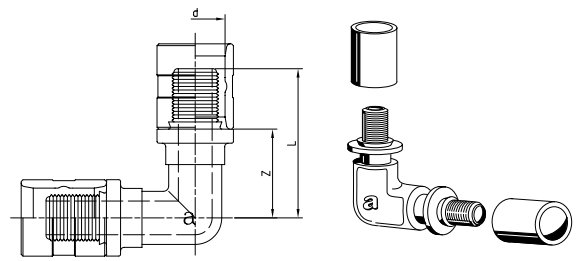
aquatherm grey pipe REDUCING COUPLING

including sliding sleeve – for aquatherm grey pipe Art. no. 777050 ... 777072

Art. no.	d [mm]	d1 [mm]	Z [mm]	L [mm]	Z1 [mm]	L1 [mm]	PU	Price € m/pc
779250	20	16	9,0	26,0	6,0	23,0	2	
779252	25	20	10,0	28,0	6,0	23,0	2	
779254	25	16	10,0	28,0	6,0	23,0	2	
779256	32	25	11,3	32,3	7,3	25,3	1	

Material: brass

aquatherm grey pipe

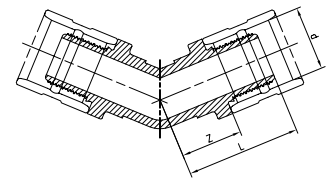
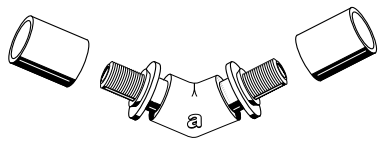


aquatherm grey pipe ELBOW 90°

including sliding sleeve – for aquatherm grey pipe Art. no. 777050 ... 777072

Art. no.	d [mm]	Z [mm]	L [mm]	PU	Price € pc
779300	16	25,0	42,0	2	
779302	20	25,0	42,0	2	
779304	25	27,0	45,0	2	
779306	32	33,8	54,8	1	

Material: PPSU/brass



aquatherm grey pipe ELBOW 45°

including sliding sleeve – for aquatherm grey pipe Art. no. 777050 ... 777072

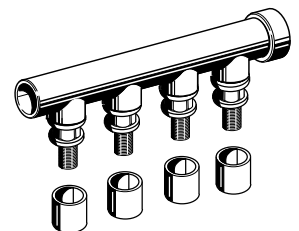
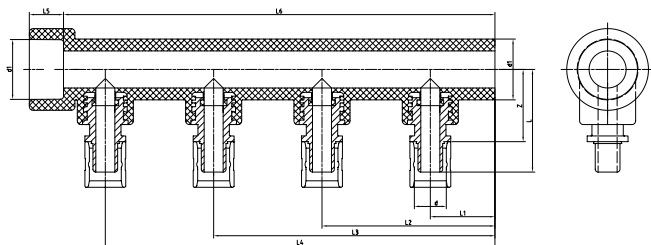
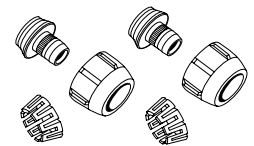
Art. no.	d [mm]	Z [mm]	L [mm]	PU	Price € m/pc
779322	20	20,0	37,0	2	
779324	25	22,0	40,0	2	
779326	32	26,3	47,3	2	

Material: PPSU/brass

aquatherm grey pipe COMPRESSION FITTING

Art. no.	Dimension	PU	Price € pc
79610	for ø 16 mm	2	

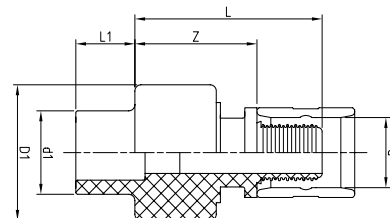
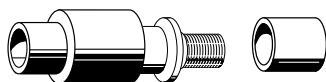
Material: brass



aquatherm grey pipe FOUR-PORT MANIFOLD ♦

4 branches with sliding sleeve connection including sliding sleeves – für aquatherm grey pipe Art. no. 777050 ... 777072

Art. no.	d [mm]	d1 [mm]	Z [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	PU	Price € m/pc
78003	16	32	38,0	54,0	34,0	91	148,0	205,0	18,0	227,0	2	



aquatherm grey pipe ADAPTER

to aquatherm green pipe fittings including sliding sleeve – for aquatherm grey pipe Art. no. 777050 ... 777072

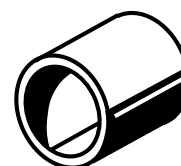
Art. no.	Dimension	d1 [mm]	d [mm]	D1 [mm]	Z [mm]	L [mm]	L1 [mm]	PU	Price € m/pc
778300	aquatherm green pipe 20 mm x aquatherm grey pipe 16 mm	20	16	32,5	30,0	46,0	14,5	2	
778302	aquatherm green pipe 20 mm x aquatherm grey pipe 20 mm	20	20	34,5	30,0	47,0	11,0	2	
778304	aquatherm green pipe 25 mm x aquatherm grey pipe 20 mm	25	20	34,5	30,0	47,0	12,0	2	
778306	aquatherm green pipe 25 mm x aquatherm grey pipe 25 mm	25	25	43,5	35,0	52,0	14,6	2	

aquatherm grey pipe SPARE SLIDING SLEEVE

for aquatherm grey pipe Art. no. 777050 ... 777072

Art. no.	Dimension [mm]	PU	Price € pc
779990	16	10	
779992	20	10	
779994	26	10	
779996	32	10	

Material: brass

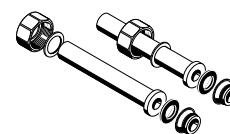


aquatherm grey pipe RADIATOR CONNECTION SET

Art. no.	Dimension	PU	Price € pc
83006	16 mm with screw nut G 3/4"	1	

consisting of:

- 2 connection pieces (L: 120 mm) made of PP-R, Colour: white
- 2 metal tension rings
- 2 nuts, chromium plated
- 2 adaptors, chromium plated
- 2 gaskets



aquatherm grey pipe CONNECTING BEND

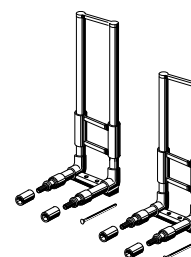
for aquatherm grey pipe Art. no. 777050 ... 777072

Art. no.	Dimension	PU	Price € pc
779502	aquatherm grey pipe pipe connection and radiator connection 16 x 2,0 mm height= 340 mm length = 45 mm	1	
779512	aquatherm grey pipe pipe connection and radiator connection 16 x 2,0 mm height= 200 mm length = 45 mm	1	

with sliding sleeve connection including sliding sleeves and one fastening plug

Pipe spacing: 50 mm

Material: PP-R/brass Colour: white



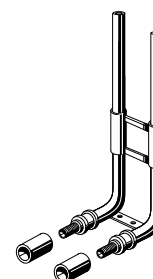
aquatherm grey pipe METAL CONNECTING BEND

for aquatherm grey pipe Art. no. 777050 ... 777072

Art. no.	Dimension	PU	Price € pc
779532	aquatherm grey pipe pipe connection 16 x 2,0 mm radiator connection 15 x 1,0 mm height = 350 mm length = 65 mm	1	

with sliding sleeve connection including

sliding sleeves. Pipe spacing: 50 mm Material: copper nickel-plated



aquatherm grey pipe DOUBLE ROSETTE, RETRACTABLE

Art. no.	Dimension	PU	Price € pc
79550	for Ø up to 17,5 mm	5	

to cover connection pipes coming out of the floor covering
Material: PA, Pipe spacing: 50 mm, Colour: white



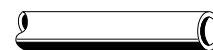
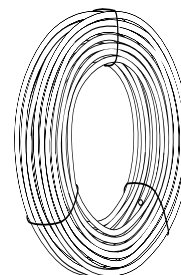
ATTENTION

When processing the aquatherm grey pipe potable water connection pipe Art. no. 77020 – 77024, the sliding sleeves of Art. no. 79990 – 79994 have to be used necessarily.

aquatherm grey pipe POTABLE WATER AND RADIATOR CONNECTION PIPE ◆ with oxygen barrier

Art. no.	Dimension	PU	Price € m
77020	16x2,0mm	100	
77022	20x2,0mm	100	
77024	25x2,3mm	50	

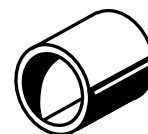
Material: PB Application field: Potable water/heating
Colour: grey Operating temperature: 70 °C
Form supplied: ring DVGW-Registr.-No.: DW-8501 AU2075 (incl. fittings)
according to: DIN 4726/4727/16968
with oxygen barrier by EVOH-coating



aquatherm grey pipe SPARE SLIDING SLEEVE for aquatherm grey pipe Art. no. 77020 ... 77024

Art. no.	Dimension [mm]	PU	Price € pc
79990	16	10	
79992	20	10	
79994	25	10	

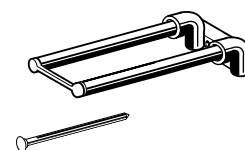
Material: brass



aquatherm grey pipe CONNECTING BEND

Art. no.	Dimension	PU	Price € pc
85121	16x2,0mm	1	

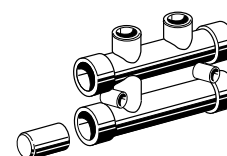
Length: 200 mm Including 1 fastening plug
Material: PP-R Colour: white
Suitable distances for fixing at the welding device (Art. no. 50337) are available



aquatherm grey pipe DISTRIBUTION BLOCK for skirting or floor installation

Art. no.	Dimension	PU	Price € pc
85123	20/16mm	1	

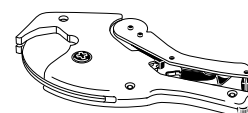
Passage 20 mm, 2 branches including 1 plug 20 mm
Material: PP-R Colour: green
Double welding with welding-device (Art. no. 50337) in connection with two 16 mm and two 20 mm tools is possible.



aquatherm grey pipe PIPE CUTTER

Art. no.	Dimension	PU	Price € pc
50103	up to Ø 25 mm	1	
50104	for pipes Ø 16 - 40 mm	1	

for aquatherm grey pipe and aquatherm surface heating pipes



aquatherm grey pipe EXPANDING TOOL

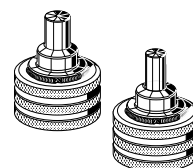
Art. no.	Dimension	PU	Price € pc
50800	for ø 10-40mm	1	



FALSE JAWS FOR THE AQUATHERM GREY PIPE EXPANDING TOOL

for aquatherm grey pipe PB-pipes

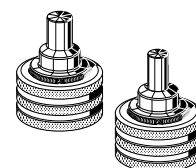
Art. no.	Dimension	PU	Price € pc
50815	14 mm	1	
50817	16 & 20mm	1	
50820	25 mm	1	



FALSE JAWS FOR THE AQUATHERM GREY PIPE EXPANDING TOOL

for aquatherm grey pipe multi-layer metal composite pipes

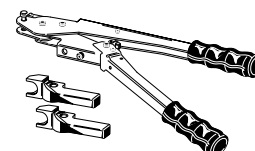
Art. no.	Dimension	PU	Price € pc
50857	16 & 20mm	1	
50860	25 mm	1	
50862	32 mm	1	



aquatherm grey pipe MOUNTING TOOL

Art. no.	Dimension	PU	Price € pc
50802	for ø 10-40mm	1	

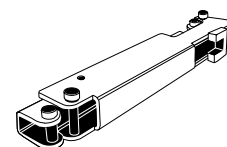
with tools for ø 16 and 20 mm, for the mechanical sliding sleeve connection



aquatherm grey pipe ANGLE ATTACHMENT

for aquatherm grey pipe mounting tool Art. no. 50802

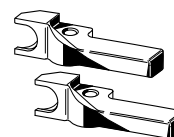
Art. no.	Dimension	PU	Price € pc
50803		1	



aquatherm grey pipe TOOL INSERT

for aquatherm grey pipe mounting tool Art. no. 50802

Art. no.	Dimension	PU	Price € pc
50825	14 mm	1	
50826	16/17mm	1	
50828	20mm	1	
50830	25mm	1	
50832	32 mm	1	



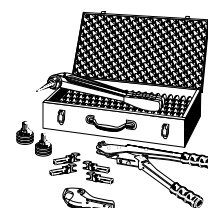
aquatherm grey pipe TOOL CASE

multi-layer metal composite pipe

Art. no.	Dimension	PU	Price € pc
50805	for ø 16-20 mm	1	

including:

- Pipe cutter (Art. no. 50103)
- Expanding tool (Art. no. 50800) with false jaws 16 – 20 mm (Art. no. 50857)
- Mounting tool (Art. no. 50802) with tools (Art. no. 50826 and 50828)



Find an overview of the aquatherm grey pipe tools on page 110.



aquatherm black system

HEATING AND COOLING SYSTEM FOR CEILING, WALL AND FURTHER APPLICATIONS

An individual's physical well-being directly depends on the basic environmental conditions of the surroundings. Working efficiency decreases with increasing temperature, the costs increase with every cooling degree.

Incorrect controlled room temperature, noise interference or draught are responsible for inefficient room conditions and therefore unsatisfactory performances. In offices, commercial premises, meeting rooms, etc., aquatherm pipe grids have become increasingly more popular for heating and cooling of ceilings and walls. The ingenious aquatherm black system creates pleasant room climate without noise and draughts.

aquatherm black system – due to its small sizes – can be laid tight below the plaster layer or the plaster board.

The aquatherm black system can be installed on metal panels of suspended ceilings and on plaster boards. Even the embedding in plaster layer or the installation in C-studs with plaster boards is not a problem. The low weight of only 4.1 kg/m² (incl. water filling) does not affect the design of the ceiling element construction.

Fields of application



Advantages

- No draughts, thus highest climate comfort
- Noiseless
- No additional dust exposure
- Simple control technique
- Thermal properties of the building are enhanced
- Well suited for retrofitting
- Quick installation thanks to high prefabrication degree
- Even temperature distribution
- Safe connection techniques by thermal fusion/Push-fit connection for ceiling elements
- Oxygen-tight
- Low installation height
- Architectural freedom
- Energy efficient during operation
- Suitable as plaster base for ceiling suspension

The mode of operation of the aquatherm black system, installed as a heating or cooling ceiling, is that the surface temperature is kept a few degrees below or above the room temperature. By radiation exchange with the ceiling, the temperatures of the room surface and furnishings change. The total power is achieved by 2/3 radiation and 1/3 convection. The output is determined by the difference between room temperature and average surface temperature. High difference = high heat transfer.

aquatherm black system matches exactly the size of metal cassettes. Active and inactive surfaces can be combined without visible differences. Retrofitting is possible at any time.

Further information regarding the aquatherm black system can be found in our aquatherm black system catalogue (Order No. E97060) and in our flyer (Order No. E20100)



APPLICATION IN PUBLIC, COMMERCIAL AND INDUSTRIAL SECTORS

Metal ceiling panel as clip-in system

Description

The aquatherm black system grids for heating and cooling are laid on the metal ceiling panels and fixed with hold-down magnets. A good power transmission is guaranteed by the direct contact between grid and metal plate respectively the acoustical mat.

Advantages

- High heating and cooling performance due to excellent contact transmission
- Factory-prefabricated grid modules for quick assembly on site
- Very easy assembly with hold-down magnets
- Combination with centrally conditioned outside air is possible
- The system is retrofit in still existing metal ceiling system
- High sound absorption on metal ceiling panels with micro perforation
- Installation in combination with various ceiling installation /super-structures such as lights, fire detectors and ventilation components
- Power output without drafts
- Soundless and non-visible heating and cooling

Sound absorption

Room acoustics is an important factor - not only in office buildings. A minimization of the sound propagation and thus a better speech intelligibility can be achieved by a high degree of sound absorption.

Sound acoustic properties of a standard metal ceiling

Frequency (Hz)	125	250	500	1000	2000	4000
α_p	0,35	0,80	0,90	0,65	0,70	0,65
Sound absorption degree of metal ceiling system with perforation type 2516						
Rating acc. to ISO 354 Practical sound absorption degree acc. To ISO 11654						
$\alpha_w = 0,70$ (L)						
Sound absorption class C						



APPLICATION IN PUBLIC, COMMERCIAL AND INDUSTRIAL SECTORS

Thermal active ceiling sail

Description

Metal ceiling sails offer the greatest possible creative freedom for architects and planners: the ceiling elements can be individually adapted to any room geometry in terms of shape and dimension. aquatherm black system in metal ceiling sails is ideally suited for distributing heat and cold rapidly and evenly across the surface.

Advantages

- High heating and cooling performance due to excellent contact transmission
- Factory-prefabricated grid modules for quick assembly on site
- Very easy assembly with hold-down magnets
- Combination with centrally conditioned outside air is possible
- System is retrofit in still existing metal ceiling systems
- High sound absorption on metal ceiling panels with micro perforation
- Soundless and non-visible heating and cooling

Sound absorption

To improve the room acoustics, acoustic fleeces are glued to the perforated cooling ceiling sail. With an acoustic ceiling covering (mineral wool shrik wrapped in foil) better sound absorption values are achieved.

Sound acoustic properties of a metal ceiling sail

Frequency (Hz)	125	250	500	1000	2000	4000
α_p	0,70	2,00	2,60	2,00	2,20	2,10
Sound absorption degree of metal ceiling system with perforation type 2516, hole percentage 16%						
Rating acc. to ISO 354 Practical sound absorption degree acc. To ISO 11654						
$\alpha_w = 0,70$ (L)						
Sound absorption class C						

The ceiling sails were raised on 150 mm high columns on a reverberation floor.

Equivalent sound absorption area (500 Hz) = 2.6 m²



APPLICATION IN PUBLIC, COMMERCIAL AND INDUSTRIAL SECTORS

Free convection, suspended

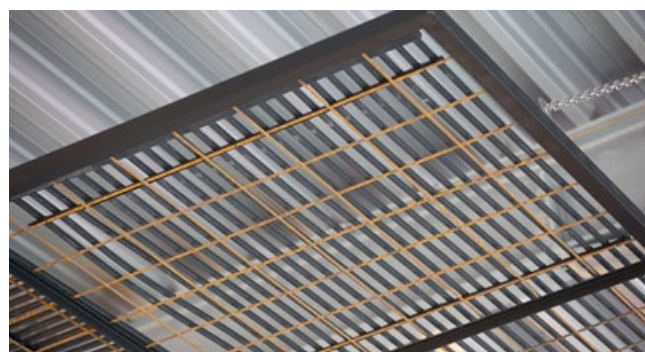
Description

In free convection, the heating and cooling grids lie on a "permeable" substructure, which allows unrestricted circulation. The custom-made aquatherm black system grids are placed on the substructure and are fixed, if necessary.

The systems is characterized by a high level of performance. For example, it is installed for heating of individual workplaces in industry.

Advantages

- High heating and cooling performance through free convection
- The system can be used variably
- Combination with other ceiling substructures such as lighting, fire detectors, sprinklers and ventilation components





HIGH-PERFORMANCE MODULES FOR COOLING CEILINGS

aquatherm black system high-performance modules combine aquatherm's proven heating and cooling grids with heat conduction plates and – depending on the selected product – with aluminium carrier plates. The modules take advantage of the pressure drop and fluidics of the grids and the very good thermal conductivity of the aluminium. Full-surface bonding guarantees easy and quick installation. And thanks to reduced-connection technology, assembly time is minimized and the cost per square metre of installed ceiling is decreased.

The aquatherm black system high-performance modules can be used as a heating and cooling system. They are ideal for heating systems using renewable energies, such as heat pumps. The uniform heat or cold transmission by means of radiation ensures increased comfort. In addition, there are no draughts created or dust raised, as can be the case with blower-driven heating and cooling systems.

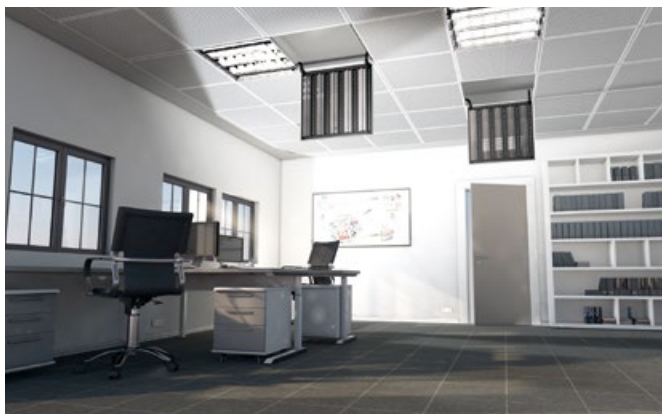
The aquatherm black system high-performance modules are available in three different variants:

- Plug & Play: grids with heat conducting plates and carrier plate
- WLT: grids with heat conducting plates
- Drywall-HLM: grids with heat conducting plates and carrier plate

Advantages

- *High heating and cooling performance due to excellent transmission surface contact*
- *Short assembly times thanks to pre-fabricated, self-adhesive modules*
- *Soundless and invisible*
- *No draughts or airborne dust blowing around*
- *Ideally suited for use with heat pump and condensing boiler technology due to low flow and return temperatures*
- *High sound absorption in metal ceiling panels with micro perforation or in perforated plasterboard plates*
- *Retrofittable into existing metal ceiling systems*

APPLICATION



METAL PANEL CEILING AS CLAMPING SYSTEM



THERMAL ACTIVE METAL CEILING SAIL

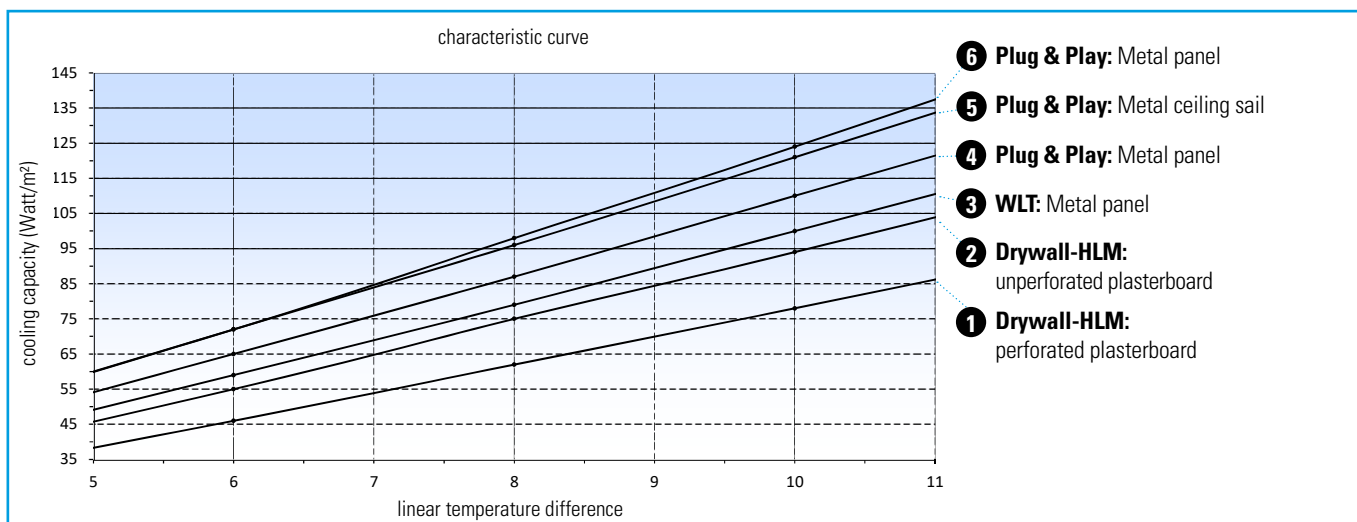


METAL PANEL CEILING AS STRIP GRID SYSTEM



CEILING SYSTEM WITH METAL SUBSTRUCTURE AND PLANKING WITH BUILDING BOARDS

Performance values of ceiling system with high-performance modules.
Standard **cooling** performance according to DIN EN 14240:2004-04



Calculation example for: Flow temperature 15° C / Return temperature 17° C

Linear temperature difference K		6	8	10
Room temperature °C		22	24	26
1 Drywall-HLM	perforated plasterboard with graphite content 10 mm 8/18R	46	62	78
2 Drywall-HLM	unperforated plasterboard with high graphite content 10 mm	55	75	94
3 WLT	Metal panel, with acoustic fleece	59	79	100
4 Plug & Play	Metal panel, with acoustic fleece	65	87	110
5 Plug & Play	Metal ceiling sail, with acoustic fleece	72	96	121
6 Plug & Play	Metal panel, without acoustic fleece	72	98	124

aquatherm
black system

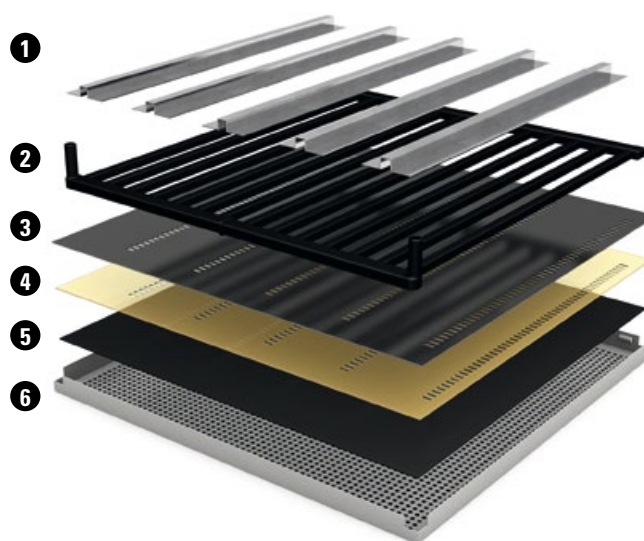
SYSTEM PLUG & PLAY

Application: metal panel

The Plug & Play high-performance modules consist of grid, heat conducting plates and aluminium carrier plate.

They are either inserted mechanically into the metal panel at factory and delivered to the site as complete package (system „activated“) or they are activated directly on site by manually pushing the modules into the existing metal panel (system „solo“). Retrofitting is also possible.

Panel size a [mm]	Total module width b [mm]	associated grid width [mm]
> 300 bis ≤ 400	300	240
> 400 bis ≤ 500	400	360
> 500 bis ≤ 600	500	400
> 600 bis ≤ 700	600	520
> 700 bis ≤ 900	700	600
> 900	900	800



1. Heat conduction plates
2. Heating/cooling grid
3. Carrier plate (self-adhesive)
4. Protective film (removed before bonding)
5. Acoustic fleece
6. Metal panel

SYSTEM WLT

Application: metal panel

The grids are installed in the factory with aluminium heat conduction plates in metal panels. The activated metal panels are delivered directly to the site. The finished metal panel elements only have to be hooked into the substructure and hydraulically connected.

Panel size a [mm]	Total module width b [mm]	associated grid width [mm]
> 300 bis ≤ 400	300	240 280
> 400 bis ≤ 500	400	320 360
> 500 bis ≤ 600	500	400 480
> 600 bis ≤ 700	600	520 560
> 700 bis ≤ 900	700	600 680
> 900	900	800 1000



1. Heat conduction plates
2. Heating/cooling grid
3. Acoustic fleece
4. Metal panel

SYSTEM DRYWALL-HLM

Application: drywall plasterboard ceilings

The aquatherm black system high-performance drywall-HLM modules consist of grid, heat conducting plates and aluminium carrier plate. For acoustic ceilings (perforated plasterboards ceilings), the aluminium carrier plate is perforated to ensure optimal sound absorption. The installation of the high-performance drywall-HLM modules is very easy: The modules are hooked into the supporting profiles of the substructure. Then the ceiling is covered with building boards. For this, e. g. plasterboards and perforated plasterboards with different thermal conductivities can be used.



1. Heat conduction plates
2. Heating/cooling grid
3. Carrier plate (closed or perforated)

Center distance Substructure a [mm]	Total module width b [mm]	associated grid width [mm]
333	263	240
400	330	320
500	430	400

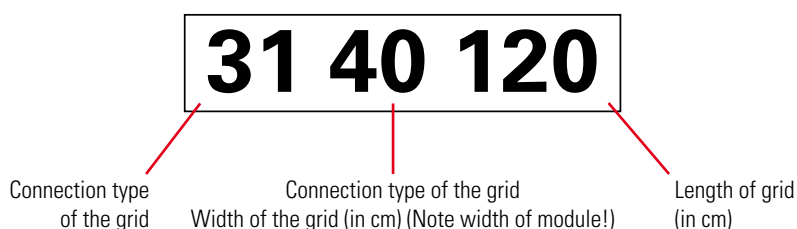
ARTICLE STRUCTURE

Available lengths: 600 up to 2500 mm

Graduation identical to aquatherm black system standard (see following page)
Special sizes and lengths up to 5.0 m on request!

System		Connection types	
Plug & Play	Solo (Installation on metal panel on site)	("43" xx xxx)	("44" xx xxx)
	Activated (Pressed directly onto metal panel ex works)	("45" xx xxx)	("46" xx xxx)
WLT		("31" xx xxx)	("32" xx xxx)
Drywall-HLM	Drywall with substructure Distance: 333 mm	("36" xx xxx)	("37" xx xxx)
	Drywall with substructure Distance: 400/500 mm	("38" xx xxx)	("39" xx xxx)

Composition of the article numbers:



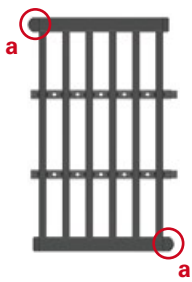


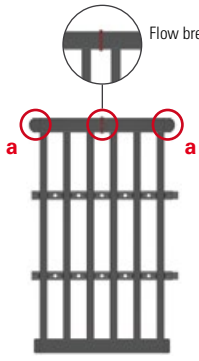


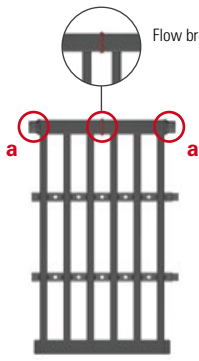


aquatherm black system HEATING AND COOLING GRIDS

oxygen-tight (incl. proportionate number of fixing rails depending on the type of connection)

Attention:

All grids are available in the mentioned connection types at same prices.

Simply replace the first two figures of the article number („52“xxxx) with those of the required type of connection (i. e. „62“ or „64“).

Connection types of the grids			Art. no.	Wide/ m	Length/ m	Area/ m ²	PU	Price € pc
52	62	64						
  Detail of connection a Connection type 52 = Plug connection 90° top left, lower right a Plug socket 16 mm 	  Detail of connection a Connection type 62 = Plug connection 90° left, right a Plug socket 16 mm 	  Detail of connection a Connection type 64 = welded connection left, right a Welding socket 16 mm 	52 24040	0,24	0,40	0,10	1	
			52 24050	0,24	0,50	0,12	1	
			52 24060	0,24	0,60	0,14	1	
			52 24070	0,24	0,70	0,17	1	
			52 24080	0,24	0,80	0,19	1	
			52 24090	0,24	0,90	0,22	1	
			52 24100	0,24	1,00	0,24	1	
			52 24120	0,24	1,20	0,29	1	
			52 24140	0,24	1,40	0,34	1	
			52 24160	0,24	1,60	0,38	1	
			52 24180	0,24	1,80	0,43	1	
			52 24200	0,24	2,00	0,48	1	
			52 24225	0,24	2,25	0,54	1	
			52 24250	0,24	2,50	0,60	1	
			52 28040	0,28	0,40	0,11	1	
			52 28050	0,28	0,50	0,14	1	
			52 28060	0,28	0,60	0,17	1	
			52 28070	0,28	0,70	0,20	1	
			52 28080	0,28	0,80	0,22	1	
			52 28090	0,28	0,90	0,25	1	
52 28100	0,28	1,00	0,28	1				
52 28120	0,28	1,20	0,34	1				
52 28140	0,28	1,40	0,39	1				
52 28160	0,28	1,60	0,45	1				
52 28180	0,28	1,80	0,50	1				
52 28200	0,28	2,00	0,56	1				
52 28225	0,28	2,25	0,63	1				
52 28250	0,28	2,50	0,70	1				

Special sizes and lengths up to 5.0 m on request.

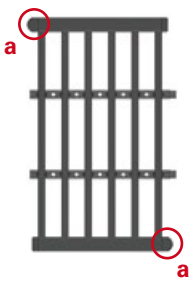


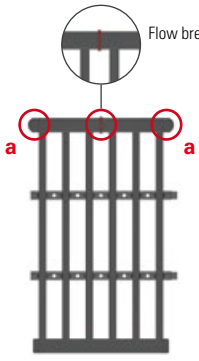


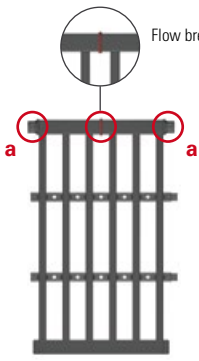


aquatherm black system HEATING AND COOLING GRIDS

oxygen-tight (incl. proportionate number of fixing rails depending on the type of connection)

Attention:

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			52 32050	0,32	0,50	0,16	1	
			52 32060	0,32	0,60	0,19	1	
			52 32070	0,32	0,70	0,22	1	
			52 32080	0,32	0,80	0,26	1	
			52 32090	0,32	0,90	0,29	1	
			52 32100	0,32	1,00	0,32	1	
			52 32120	0,32	1,20	0,38	1	
			52 32140	0,32	1,40	0,45	1	
			52 32160	0,32	1,60	0,51	1	
			52 32180	0,32	1,80	0,58	1	
			52 32200	0,32	2,00	0,64	1	
			52 32225	0,32	2,25	0,72	1	
			52 32250	0,32	2,50	0,80	1	
			52 36040	0,36	0,40	0,14	1	
			52 36050	0,36	0,50	0,18	1	
			52 36060	0,36	0,60	0,22	1	
			52 36070	0,36	0,70	0,25	1	
			52 36080	0,36	0,80	0,29	1	
			52 36090	0,36	0,90	0,32	1	
52 36100	0,36	1,00	0,36	1				
52 36120	0,36	1,20	0,43	1				
52 36140	0,36	1,40	0,50	1				
52 36160	0,36	1,60	0,58	1				
52 36180	0,36	1,80	0,65	1				
52 36200	0,36	2,00	0,72	1				
52 36225	0,36	2,25	0,81	1				
52 36250	0,36	2,50	0,90	1				

Special sizes and lengths up to 5.0 m on request.

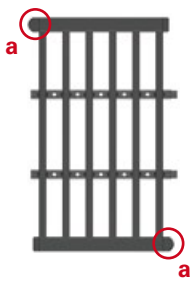
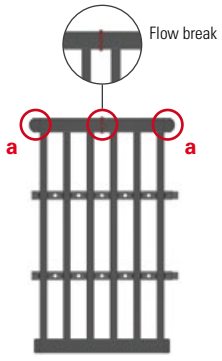
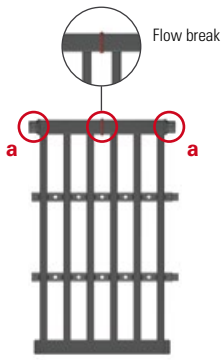






aquatherm black system HEATING AND COOLING GRIDS

oxygen-tight (incl. proportionate number of fixing rails depending on the type of connection)

Attention:

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Connection types of the grids			Art. no.	Wide/ m	Length/ m	Area/ m ²	PU	Price € pc
52	62	64						
			5240040	0,40	0,40	0,16	1	
			5240050	0,40	0,50	0,20	1	
			5240060	0,40	0,60	0,24	1	
			5240070	0,40	0,70	0,28	1	
			5240080	0,40	0,80	0,32	1	
			5240090	0,40	0,90	0,36	1	
			5240100	0,40	1,00	0,40	1	
			5240120	0,40	1,20	0,48	1	
			5240140	0,40	1,40	0,56	1	
			5240160	0,40	1,60	0,64	1	
5240180	0,40	1,80	0,72	1				
5240200	0,40	2,00	0,80	1				
5240225	0,40	2,25	0,90	1				
5240250	0,40	2,50	1,00	1				
 <p>Detail of connection a</p>			 <p>Detail of connection a</p>			 <p>Detail of connection a</p>		
<p>Connection type 52 = Plug connection 90° top left, lower right</p> <p>a Plug socket 16 mm</p> 			<p>Connection type 62 = Plug connection 90° left, right</p> <p>a Plug socket 16 mm</p> 			<p>Connection type 64 = welded connection left, right</p> <p>a Welding socket 16 mm</p> 		
			5248040	0,48	0,40	0,19	1	
			5248050	0,48	0,50	0,24	1	
			5248060	0,48	0,60	0,29	1	
			5248070	0,48	0,70	0,34	1	
			5248080	0,48	0,80	0,38	1	
			5248090	0,48	0,90	0,43	1	
			5248100	0,48	1,00	0,48	1	
			5248120	0,48	1,20	0,58	1	
			5248140	0,48	1,40	0,67	1	
			5248160	0,48	1,60	0,77	1	
			5248180	0,48	1,80	0,86	1	
			5248200	0,48	2,00	0,96	1	
			5248225	0,48	2,25	1,08	1	
			5248250	0,48	2,50	1,20	1	

Special sizes and lengths up to 5.0 m on request.

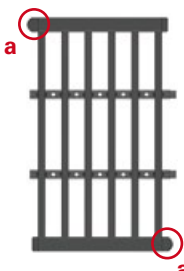


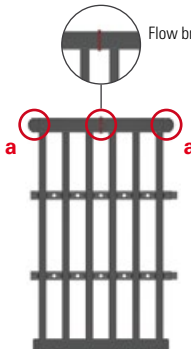


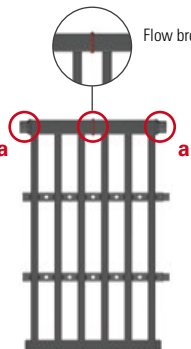


aquatherm black system HEATING AND COOLING GRIDS

oxygen-tight (incl. proportionate number of fixing rails depending on the type of connection)

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			52 52050	0,52	0,50	0,26	1	
			52 52060	0,52	0,60	0,31	1	
			52 52070	0,52	0,70	0,36	1	
			52 52080	0,52	0,80	0,42	1	
			52 52090	0,52	0,90	0,47	1	
			52 52100	0,52	1,00	0,52	1	
			52 52120	0,52	1,20	0,62	1	
			52 52140	0,52	1,40	0,73	1	
			52 52160	0,52	1,60	0,83	1	
			52 52180	0,52	1,80	0,94	1	
			52 52200	0,52	2,00	1,04	1	
			52 52225	0,52	2,25	1,17	1	
			52 52250	0,52	2,50	1,30	1	
			52 56040	0,56	0,40	0,22	1	
			52 56050	0,56	0,50	0,28	1	
			52 56060	0,56	0,60	0,34	1	
			52 56070	0,56	0,70	0,39	1	
			52 56080	0,56	0,80	0,45	1	
			52 56090	0,56	0,90	0,50	1	
52 56100	0,56	1,00	0,56	1				
52 56120	0,56	1,20	0,67	1				
52 56140	0,56	1,40	0,78	1				
52 56160	0,56	1,60	0,90	1				
52 56180	0,56	1,80	1,01	1				
52 56200	0,56	2,00	1,12	1				
52 56225	0,56	2,25	1,26	1				
52 56250	0,56	2,50	1,40	1				

Special sizes and lengths up to 5.0 m on request.

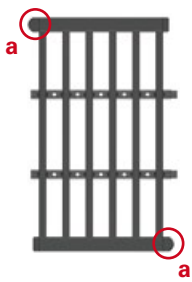


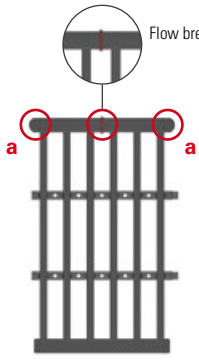


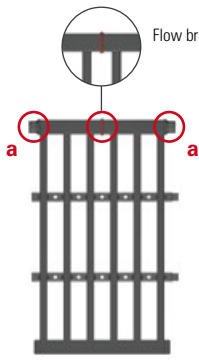


aquatherm black system HEATING AND COOLING GRIDS

oxygen-tight (incl. proportionate number of fixing rails depending on the type of connection)

Attention:

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Simply replace the first two figures of the article number („52“xxxx) with those of the required type of connection (i. e. „62“ or „64“).

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			52 60050	0,60	0,50	0,30	1	
			52 60060	0,60	0,60	0,36	1	
			52 60070	0,60	0,70	0,42	1	
			52 60080	0,60	0,80	0,48	1	
			52 60090	0,60	0,90	0,54	1	
			52 60100	0,60	1,00	0,60	1	
			52 60120	0,60	1,20	0,72	1	
			52 60140	0,60	1,40	0,84	1	
			52 60160	0,60	1,60	0,96	1	
			52 60180	0,60	1,80	1,08	1	
			52 60200	0,60	2,00	1,20	1	
			52 60225	0,60	2,25	1,35	1	
			52 60250	0,60	2,50	1,50	1	
			52 68040	0,68	0,40	0,27	1	
52 68050	0,68	0,50	0,34	1				
52 68060	0,68	0,60	0,41	1				
52 68070	0,68	0,70	0,48	1				
52 68080	0,68	0,80	0,54	1				
52 68090	0,68	0,90	0,61	1				
52 68100	0,68	1,00	0,68	1				
52 68120	0,68	1,20	0,82	1				
52 68140	0,68	1,40	0,95	1				
52 68160	0,68	1,60	1,09	1				
52 68180	0,68	1,80	1,22	1				
52 68200	0,68	2,00	1,36	1				
52 68225	0,68	2,25	1,53	1				
52 68250	0,68	2,50	1,70	1				

Special sizes and lengths up to 5.0 m on request.

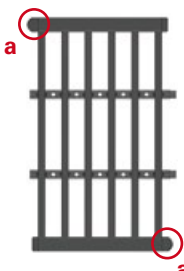
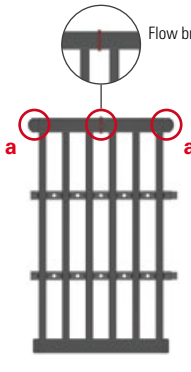
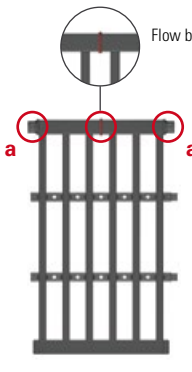






aquatherm black system HEATING AND COOLING GRIDS

oxygen-tight (incl. proportionate number of fixing rails depending on the type of connection)

Attention:

All grids are available in the mentioned connection types at same prices.

Simply replace the first two figures of the article number („52”xxxx) with those of the required type of connection (i. e. „62” or „64”).

Connection types of the grids			Art. no.	Wide/ m	Length/ m	Area/ m ²	PU	Price € pc	
52	62	64							
			52 80040	0,80	0,40	0,32	1		
			52 80050	0,80	0,50	0,40	1		
			52 80060	0,80	0,60	0,48	1		
			52 80070	0,80	0,70	0,56	1		
			52 80080	0,80	0,80	0,64	1		
			52 80090	0,80	0,90	0,72	1		
			52 80100	0,80	1,00	0,80	1		
			52 80120	0,80	1,20	0,96	1		
			52 80140	0,80	1,40	1,12	1		
			52 80160	0,80	1,60	1,28	1		
52 80180	0,80	1,80	1,44	1					
52 80200	0,80	2,00	1,60	1					
52 80225	0,80	2,25	1,80	1					
52 80250	0,80	2,50	2,00	1					
									
<p>Detail of connection a</p>			<p>Detail of connection a</p>			<p>Detail of connection a</p>			
<p>Connection type 52 = Plug connection 90° top left, lower right</p>			<p>Connection type 62 = Plug connection 90° left, right</p>			<p>Connection type 64 = welded connection left, right</p>			
<p>a Plug socket 16 mm</p>			<p>a Plug socket 16 mm</p>			<p>a Welding socket 16 mm</p>			
									
52 00040	1,00	0,40	0,40	1					
52 00050	1,00	0,50	0,50	1					
52 00060	1,00	0,60	0,60	1					
52 00070	1,00	0,70	0,70	1					
52 00080	1,00	0,80	0,80	1					
52 00090	1,00	0,90	0,90	1					
52 00100	1,00	1,00	1,00	1					
52 00120	1,00	1,20	1,20	1					
52 00140	1,00	1,40	1,40	1					
52 00160	1,00	1,60	1,60	1					
52 00180	1,00	1,80	1,80	1					
52 00200	1,00	2,00	2,00	1					
52 00225	1,00	2,25	2,25	1					
52 00250	1,00	2,50	2,50	1					

Special sizes and lengths up to 5.0 m on request.

aquatherm black system HEATING AND COOLING GRID FOR CEILING PANELS

retractable, oxygen-tight, with one-side 90° plug connection and flow break

Art. no.	Dimension grid	Dimension ceiling panel	PU	Price € pc
6256060	56x60cm = 0,34m ²	62,5x62,5cm	1	
6256118	56x118cm = 0,66m ²	62,5x125cm	1	

Forced flow by in-centre welded blind plug in the main pipe, which offers a one-side connection of the grids among each other.

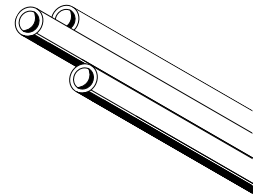
Special size on request!



aquatherm black system PP-GRID CONNECTION PIPE

with oxygen barrier

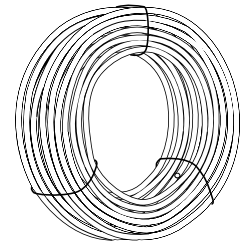
Art. no.	Dimension [mm]	Length [m]	PU	Price € m
81006	16	4	100	
81008	20	2,5	50	



aquatherm black system PP-GRID CONNECTION PIPE

with oxygen barrier, in ring

Art. no.	Dimension [mm]	PU	Price € m
81026	16	100	
81028	20	100	



aquatherm black system CORRUGATED CONNECTING PIPE

with oxygen barrier, in ring

Art. no.	Dimension	PU	Price € m
81039		50	

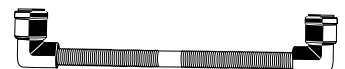


Connectable by welding with Art. 81288, 81290, 81291 separable every 50 cm

aquatherm black system CORRUGATED CONNECTING PIPE

with oxygen barrier, for connection types 52, 62 and 64

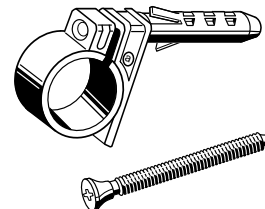
Art. no.	Dimension	PU	Price € pc
81031	50 cm 1 x plug elbow 90° and welding socket 16 mm	1	
81032	50 cm with 2 x plug elbow 90°	1	
81035	150 cm with 2 x plug elbow 90°	1	
81038	100 cm with 2 x plug elbow 90°	1	
81044	50 cm with 2 x welding elbow 90°	1	
81047	100 cm with 2 x welding elbow 90°	1	
81048	150 cm with 2 x welding elbow 90°	1	
81049	50 cm with 1 x welding elbow 90° and 1 x welding socket 16 mm	1	



PLASTIC PIPE CLAMPS

Art. no.	For pipe dimension [mm]	PU	Price € pc
60716	16	50	
60720	20	50	

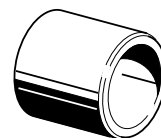
Colour: anthracite



aquatherm black system SOCKET

for heating and cooling grids

Art. no.	Dimension [mm]	PU	Price € pc
81050	16	10	



aquatherm black system ELBOW 90°

for heating and cooling grids

Art. no.	Dimension [mm]	PU	Price € pc
81060	16	10	



aquatherm black system END CAP

for heating and cooling grids

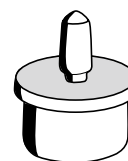
Art. no.	Dimension [mm]	PU	Price € pc
81080	16	10	



aquatherm black system PP-R MALE END PLUG

for heating and cooling grids (for old type of connection 50)

Art. no.	Dimension [mm]	PU	Price € pc
81092	16	10	



aquatherm black system ELBOW 90°

male/female

Art. no.	Dimension [mm]	PU	Price € pc
81065	16	10	



aquatherm black system MAGNET HOLDER

Art. no.	Dimension	PU	Price € pc
81286		50	



GRID FIXING IN METAL CEILINGS WITH HOLDING-DOWN MAGNET

aquatherm black system heating and cooling grids are connected with the metal ceiling plate by special custom-made holding-down magnets. The magnets guarantee a safe fixing and the optimum heat conducting connection between heating- and cooling grids and the metal panel. The fixing of heating- and cooling grids with holding-down magnets is performed after inserting the grids into the metal panel plates during the ceiling mounting at site. The demand for holding-down magnets depends on the dimension of the metal panel, basically plan with approx. 4 magnets per square meter.

Adhesive and solvent for sticking the aquatherm grids into metal ceiling panels can directly be bought at the manufacturer Wakol GmbH (www.wakol.de). The manufacturer's instructions are to be considered!

Article description adhesive: L1720 ROT

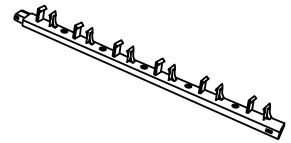
Article description solvent: Löser 31



aquatherm black system **FIXING RAIL**

for heating and cooling grids

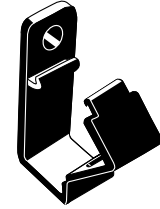
Art. no.	Dimension	PU	Price € pc
81506	Länge = aqt black system 24cm	10	



aquatherm black system **WALL BRACKET**

for heating and cooling grids at wall heating- and cooling systems for drywall

Art. no.	Dimension	PU	Price € pc
81296		10	



aquatherm black system **FIXING RAIL FOR DRY WALL**

for heating and cooling grids

Art. no.	Dimension	PU	Price € pc
81297		10	

Please note, when ordering the fixing rail for drywall Art. no. 81297, that for each rail two connection plugs with the Art. no. 81301 have to be ordered.

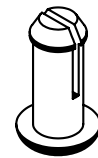


aquatherm black system **CONNECTING PLUG**

Art. no.	PU	Price € pc
81301	1	

In connection with Art. no. 81297 for fixing the heating-cooling grids in case of ceiling system with metal substructure.

In connection with Art. no. 81304 (perforated tape) for fixing the heating-cooling grids in case of wall systems with metal substructure.



aquatherm black system **MAGNET CLIP**

Art. no.	PU	Price € pc
81302	50	

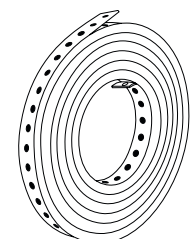
In connection with art. no. 81506 for fixing the heating-cooling grids in case of ceiling systems with metal substructure.



aquatherm black system **PERFORATED TAPE**

Art. no.	Dimension	PU	Price € pc
81304	10 m x 19 mm	1	

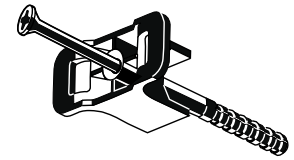
In connection with art. no. 81301 for fixing the heating-cooling grids in case of wall systems with metal substructure.



aquatherm black system **FIXING CLAMP WITH WALL PLUG**

for wall and ceiling installation

Art. no.	Dimension	PU	Price € pc
81298		10	



aquatherm black system **THERMOGRAPHY FILM**

place at the wall for indicating the position of the pipe by colour changing

Art. no.	Dimension	PU	Price € pc
50186	160x70mm	1	

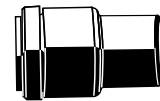


aquatherm black system **CONNECTOR**

one-sided pushfit connection/one-sided PP-R 16 mm

Art. no.	Dimension [mm]	PU	Price € pc
81288	16	20	

with safety pin

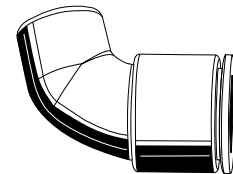


aquatherm black system **90° ELBOW-ADAPTER**

onesided plugable/onesided PP-R 16 mm weldable

Art. no.	Dimension [mm]	PU	Price € pc
81290	16	10	

with safety pin

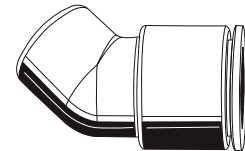


aquatherm black system **45° ELBOW-ADAPTER**

onesided plugable/onesided PP-R 16 mm weldable

Art. no.	Dimension [mm]	PU	Price € pc
81291	16	10	

with safety pin

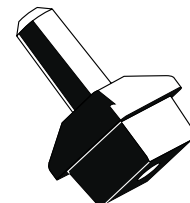


aquatherm black system **SEALING PLUG**

for wall and ceiling grids

Art. no.	Dimension [mm]	PU	Price € pc
81091	12	10	

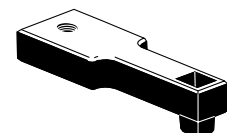
welding tool for sealing plug Art. no. 50285 see tools



aquatherm black system **WELDING TOOL**

Art. no.	Dimension	PU	Price € pc
50285	12x12 mm	1	

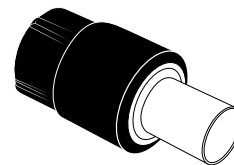
for sealing plug Art. no. 81091



aquatherm black system TRANSITION ADAPTER

Art. no.	Dimension	PU	Price € pc
81097	aquatherm black system with press connection	10	

e.g. for connecting existing metal pipes



aquatherm black system TRANSITION ADAPTER

Art. no.	Dimension	PU	Price € pc
81292	aquatherm black system to aquatherm orange system 16 mm	10	

The adapter can be connected by the known sliding sleeve technology with the aquatherm black system.



STARTER KIT SHOWER

consists of:

Art. no.	Quantity	No.	Description	PU	Price € pc
81800	2 pieces	6424160	grids 24 x 160 mm	1	
	1 piece	6460160	grids 60 x 160 mm		
	4 pieces	81006	OT pipe 16 x 2,0 mm; length 2,0 m		
	10 pieces	81050	socket 16 mm		
	10 pieces	81060	elbow 90° 16 mm		
	10 pieces	60716	fixing clamp 16 mm		
	3 pieces	81296	wall bracket		
	3 pieces	81301	connecting plug		
	10 pieces	81298	fixing clamp with wall plug		





aquatherm orange system

SURFACE HEATING AND COOLING SYSTEMS

Developed 40 years ago as one of the first surface heating systems, it formed the basis for the aquatherm company and soon became successful on the market.

aquatherm orange system is designed for industrial or sports floor heating. The surface-heating pipe combines many advantages. It consists of the durable and corrosion-resistant material polyethylene, which ensures resistance to stress cracks and very good long-term internal pressure performance combined with high flexibility. Even at higher temperatures, the aquatherm orange system is characterized by excellent creep strength. The heating pipe is provided with an oxygen barrier according to DIN EN 1264. aquatherm orange system can also be used as radiator connection pipe.

Combining **aquatherm orange system** underfloor heating systems with **aquatherm green pipe** or **aquatherm blue pipe** complete solutions are available for:

- ▶ Open space heating
- ▶ Industrial floor heating
- ▶ Sports floor heating
- ▶ Under-soil heating



FIELDS OF APPLICATION



Flexible sports floor



Undersoil pitch heating



Industrial floor heating

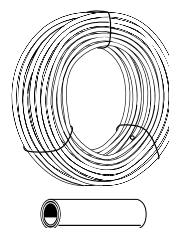
aquatherm orange system SURFACE HEATING AND RADIATOR CONNECTING PIPE (PE-RT)

with oxygen barrier according to DIN 4726/16833

Art. no.	Dimension [mm]	PU	Price € m
90026	16x2,0mm	250	
90036	16x2,0mm	500	
90037	17x2,0mm	500	
90028	20x2,0mm	250	
90038	20x2,0mm	500	
90030	25x2,3mm	250	

Material: PE-RT with EVOH coating, oxygen barrier according to DIN 4721/4726/16833

Colour: red

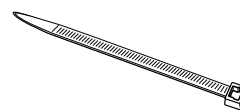


aquatherm orange system CABLE TIE

for industrial surface heating

Art. no.	Dimension	PU	Price € pc
99086	Length: 200 mm	100	

Please note: Packung Unit = 100

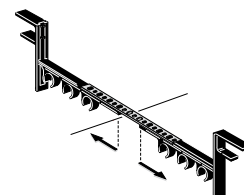


aquatherm orange system PIPE GUIDING RAIL

for surface flexible sports floor, adjustable in length and height

Art. no.	Dimension	PU	Price € pc
90510	Ø 20 mm	150	

Material: Polyamid

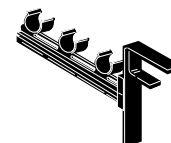


aquatherm orange system END RAIL

for surface flexible sports floor, adjustable in height

Art. no.	Dimension	PU	Price € pc
90511	Ø 20 mm	20	

Material: Polyamid

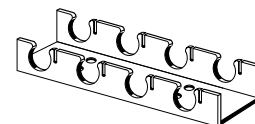


aquatherm orange system PROFILE RAIL

for industrial heating

Art. no.	Dimension	PU	Price € m
90518	Ø 20 mm	2	

Material: Polyamid

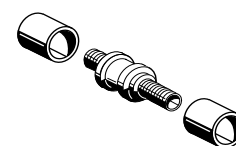


aquatherm orange system COUPLING

for PE-RT pipes, including sliding sleeve

Art. no.	Dimension [mm]	PU	Price € pc
79210	16	2	
79212	20	2	

Material: brass

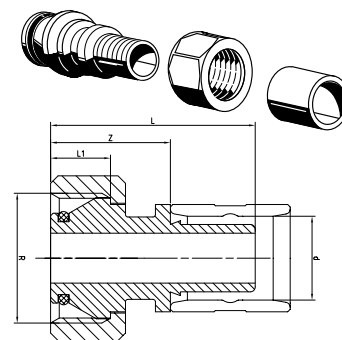


aquatherm grey pipe EUROCONUS ADAPTER

including sliding sleeve

Art. no.	d [mm]	R	Z [mm]	L [mm]	L1 [mm]	PU	Price € pc
79220	16	G3/4	24,00	41,00	12,00	2	
79222	20	G3/4	30,00	47,00	15,00	2	

Material: brass
for customary manifolds/joints

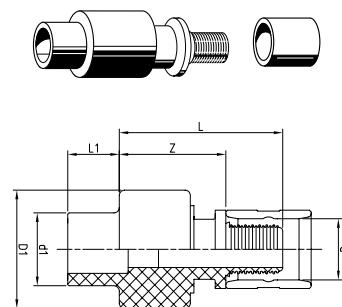


aquatherm orange system ADAPTER

to aquatherm green pipe fittings including sliding sleeve, for PE-RT

Art. no.	Dimension	d1 [mm]	d [mm]	D1 [mm]	Z [mm]	L [mm]	L1 [mm]	PU	Price € pc
78300	aquatherm green pipe 20 mm x aquatherm orange system 16 mm	20	16	32,5	30,0	46,0	14,5	2	
78302	aquatherm green pipe 20 mm x aquatherm orange system 20 mm	20	20	34,5	30,0	47,0	11,0	2	

Material: PP-R/brass

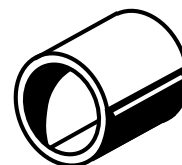


aquatherm grey pipe SPARE SLIDING SLEEVE

for PB pipes

Art. no.	Dimension [mm]	PU	Price € pc
79990	16	10	
79992	20	10	
79994	25	10	

Material: brass

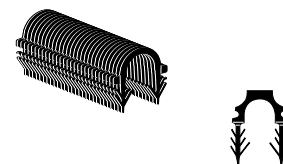


aquatherm PIPE CLAMP

Systems: **aquatherm orange system,**
aquatherm black system

Art. no.	Dimension	PU	Price € pc
90504	ø 14-20 mm tacker	500	

for aquatherm orange system underfloor heating pipes
Material: Polyamid



aquatherm TACKER

Systems: **aquatherm orange system,**
aquatherm black system

Art. no.	Dimension	PU	Price € pc
96003		1	

Note: Applicable with Art. no. 90504
for fixing of heating pipe with pipe clips on the aquatherm orange system system elements

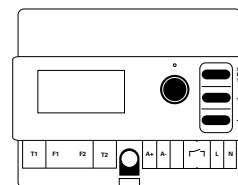


AUTOMATIC CONTROL FOR KEEPING AREAS SNOW-AND ICE-FREE

aquatherm orange system DIGITAL ICE- AND SNOW DETECTOR

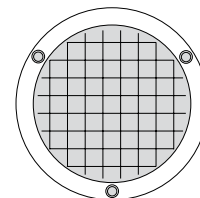
for activating open space heating systems if required

Art. no.	Dimension	PU	Price € pc
99258		1	



aquatherm orange system OPEN SPACE SENSOR

Art. no.	Dimension	PU	Price € pc
99259	diameter 68 mm	1	





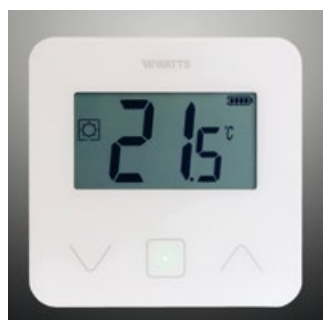
aquatherm control components

FOR AQUATHERM BLACK SYSTEM AND AQUATHERM ORANGE SYSTEM

The aquatherm radio control system combines latest Smart Home and IoT technology for all building types. The intelligent control technology communicates radio-controlled between the central radio unit, room thermostats and radio control distributors. The system is used to control the aquatherm surface heating and cooling systems. In case of cooling, dew point monitoring is realized by means of room thermostat with integrated hygrostat and external temperature sensor.

An integrated WiFi module provides access via smartphone or tablet. Thus, the heating and cooling system can be constantly monitored and adjusted.

The entire system is completed by the aquatherm heating and cooling circuit distributors. aquatherm heating and cooling circuit distributors enable an individual adjustment of volume flows via regulating valves. The distributors are delivered in a pre-assembled and ready-to-connect version.



Radio room thermostat



Central control with touch screen display



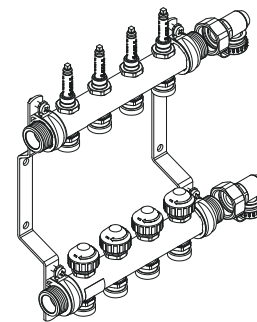
Control distributor

NEW aquatherm HEATING CIRCUIT MANIFOLD WITH FLOW INDICATOR

screwed joints and ball valves have to be ordered separately

Systems: **aquatherm orange system,**
aquatherm black system

Art. no.	Dimension	PU	Price € pc
94402	Stainless steel 2-fold flow indicator	1	
94403	Stainless steel 3-fold flow indicator	1	
94404	Stainless steel 4-fold flow indicator	1	
94405	Stainless steel 5-fold flow indicator	1	
94406	Stainless steel 6-fold flow indicator	1	
94407	Stainless steel 7-fach flow indicator.	1	
94408	Stainless steel 8-fold flow indicator	1	
94409	Stainless steel 9-fold flow indicator	1	
94410	Stainless steel 10-fold flow indicator	1	
94411	Stainless steel 11-fold flow indicator	1	
94412	Stainless steel 12-fold flow indicator	1	



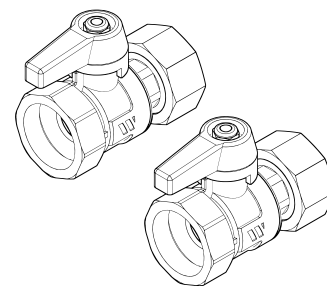
Stainless steel manifold with the following properties:

- Flow- and return manifold are arranged separately
- Flow indicator with shut-off in the flow
- Control and shut-off valve with protection cap in return
- Feed and drain valves
- Air valves
- Bracket set with bow and sound protection
- Sealing plug

NEW aquatherm BALL VALVE SET

Systems: **aquatherm orange system,**
aquatherm black system

Art. no.	Dimension	PU	Price € pc
94413	aqt KGH 1"IG x 1"IG Flachd.	1	

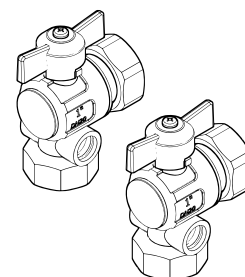


NEW aquatherm BALL VALVE SET

Corner design

Systems: **aquatherm orange system,**
aquatherm black system

Art. no.	Dimension	PU	Price € pc
94414	aqt Eck-KGH 1"UM x 1"IG Flachd.+Anschl.-buchse	1	

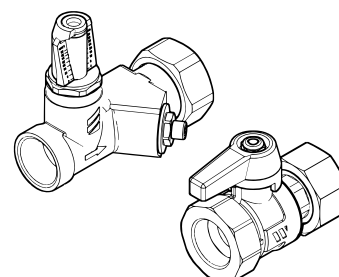


NEW aquatherm LINE CONTROL VALVE SET FOR MANIFOLD

Systems: **aquatherm orange system,**
aquatherm black system

Art. no.	Dimension	PU	Price € pc
94415	1"AG	1	

For restriction of flow rate respectively for hydraulic balancing of manifolds

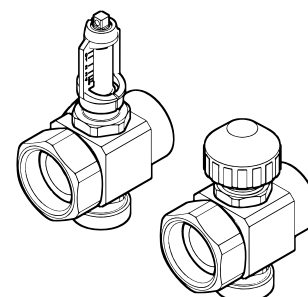


NEW aquatherm HEATING CIRCUIT MANIFOLD EXTENSION SET

for Art. no. 94402 – 94412

Systems: **aquatherm orange system,**
aquatherm black system

Art. no.	Dimension	PU	Price € pc
94416		1	



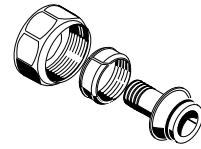
aquatherm EUROCONUS CONNECTOR

for heating circuit manifold

Systems: **aquatherm orange system,**
aquatherm black system

Art. no.	Dimension	PU	Price € pc
92106	16x2,0mm	2	
92107	17x2,0mm	2	
92108	20x2,0mm	2	

cap nut nickel-plated

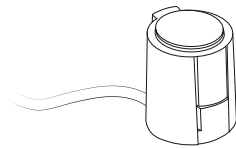


aquatherm ACTUATOR

for heating circuit manifolds and heating circuit control valves – flow

Systems: **aquatherm orange system,**
aquatherm black system

Art. no.	Dimension	PU	Price € m/pc
94102	230V	1	
94103	24V	1	

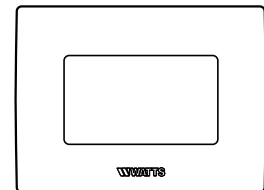


NEW aquatherm CENTRAL RADIO UNIT

with 4,3" touchscreen

Systems: **aquatherm orange system,**
aquatherm black system

Art. no.	Dimension	PU	Price € m/pc
94417		1	



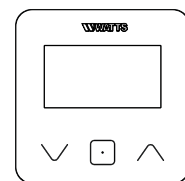
- remote access via app or web
- intuitive operation: plug & play
- wall mounting with power supply 85-265 VA (50-60Hz) or via mini USB cable
- table installation with stand
- heating-cooling units controllable

NEW aquatherm RADIO ROOM THERMOSTAT

with glass touchscreen

Systems: **aquatherm orange system,**
aquatherm black system

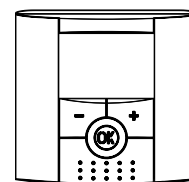
Art. no.	Dimension	PU	Price € m/pc
94418		1	



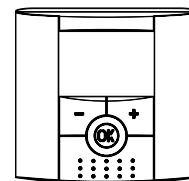
- heating or heating/cooling
- setting of different temperature modes
- antifreeze protection function
- pincode and anti-theft protection
- wall or table installation
- "open window" detection

NEW aquatherm RADIO ROOM THERMOSTAT*digital, with LCD-display, programmable*Systems: **aquatherm orange system,**
aquatherm black system

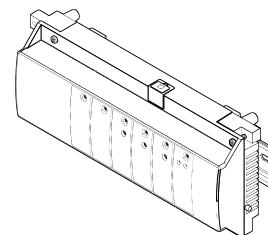
Art. no.	Dimension	PU	Price € pc
94419		1	

**NEW aquatherm RADIO ROOM THERMOSTAT***digital, with LCD-display, programmable, with hygrostat*Systems: **aquatherm orange system,**
aquatherm black system

Art. no.	Dimension	PU	Price € pc
94420		1	
1			

**NEW aquatherm RADIO CONTROL DISTRIBUTOR***Master, for 6 zones*Systems: **aquatherm orange system,**
aquatherm black system

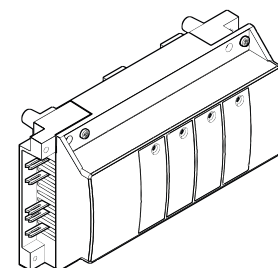
Art. no.	Dimension	PU	Price € pc
94422		1	



- Zone control for water-bearing surface heating/cooling
- up to 10 zones (room sensor)
- Switching output for pump and heat generator by radio or cable (potential free)

NEW aquatherm RADIO CONTROL DISTRIBUTOR 4-FOLD*Extension for 4 zones*Systems: **aquatherm orange system,**
aquatherm black system

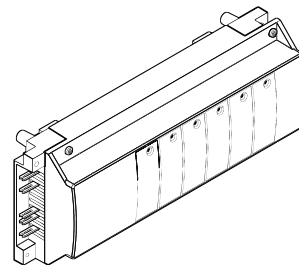
Art. no.	Dimension	PU	Price € pc
94423		1	



NEW aquatherm MANAGEMENT MODULE*for heating/cooling*

Systems: **aquatherm orange system,**
aquatherm black system

Art. no.	Dimension	PU	Price € pc
94421		1	

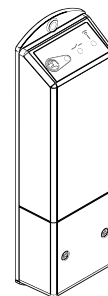


- Control and management for water-bearing surface heating/cooling in conjunction with control distributor
- signal for central heating/cooling changeover via floating switching output

NEW aquatherm SINGLE RADIO RECEIVER*for control of surface heating/cooling*

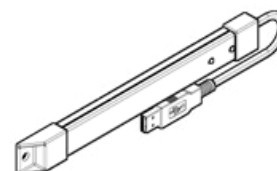
Systems: **aquatherm orange system,**
aquatherm black system

Art. no.	Dimension	PU	Price € pc
94424		1	

**NEW aquatherm RADIO REPEATER***to expand the radio transmission area or Erweiterung des Funk-Übertragungsbereiches*

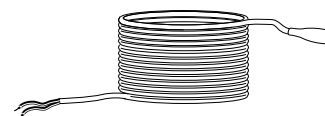
Systems: **aquatherm orange system,**
aquatherm black system

Art. no.	Dimension	PU	Price € pc
94425		1	

**NEW aquatherm DEWPOINT SENSOR***3 metres*

Systems: **aquatherm orange system,**
aquatherm black system

Art. no.	Dimension	PU	Price € pc
94426		1	



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aquatherm blue pipe

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2411289	92	2413214	85	2413397	86	2418303	87	2511190	29
2411291	92	2413216	85	2413401	86	2418305	87	2511193	29
2411297	92	2413220	85	2413403	86	2418333	88	2511195	29
2411299	92	2413222	85	2418112	84	2418335	88	2511197	29
2411305	92	2413224	85	2418114	84	2418337	88	2511199	29
2411307	92	2413226	85	2418116	84	2418339	88	2511201	29
2412112	83	2413230	85	2418118	84	2418341	88	2511203	29
2412114	83	2413232	85	2418120	84	2418343	88	2511204	29
2412116	83	2413234	85	2418122	84	2418345	88	2511206	29
2412118	83	2413236	85	2418124	84	2418347	88	2511207	29
2412120	83	2413238	85	2418126	84	2418351	88	2511208	29
2412122	83	2413242	85	2418131	84	2418383	88	2511209	29
2412124	83	2413244	85	2418135	84	2418385	88	2511210	29
2412126	83	2413246	85	2418139	84	2418387	88	2511211	29
2412131	83	2413248	85	2418202	87	2418389	88	2511212	29
2412135	83	2413250	85	2418206	87	2418391	88	2511216	29
2412139	83	2413252	85	2418208	87	2418393	88	2511217	29
2412212	82	2413256	85	2418212	87	2418395	88	2511218	29
2412214	82	2413258	85	2418214	87	2418397	88	2512130	30
2412216	82	2413260	85	2418216	87	2418401	88	2512134	30
2412218	82	2413262	85	2418220	87	2418403	88	2512138	30

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2512144	30	2513678	40	2541838	78	2713264	85	2713450	86
2512146	30	2513680	40	2541842	78	2713266	85	2713454	86
2512148	30	2513682	40	2570180	22	2713268	85	2713458	86
2512150	30	2513684	40	2570184	22	2713290	85	2713462	86
2512154	30	2513685	40	2570188	22	2713292	85	2713466	86
2512530	32	2513690	39	2570192	22	2713294	85	2718126	84
2512534	32	2513692	40	2711274	91	2713296	85	2718130	84
2512538	32	2513694	40	2711275	92	2713298	85	2718134	84
2512542	32	2513696	40	2711276	91	2713300	85	2718138	84
2512544	32	2513698	40	2711277	92	2713302	85	2718142	84
2512546	32	2513699	40	2711282	91	2713304	85	2718144	84
2512548	32	2513700	40	2711283	92	2713332	86	2718256	87
2512550	32	2513804	39	2711284	91	2713334	86	2718258	87
2512554	32	2513806	40	2711285	92	2713336	86	2718260	87
2513026	34	2513808	40	2711288	91	2713338	86	2718262	87
2513030	34	2513810	40	2711289	92	2713340	86	2718264	87
2513034	34	2513812	40	2711290	91	2713342	86	2718266	87
2513038	34	2513813	40	2711291	92	2713344	86	2718268	87
2513142	33	2513814	40	2711296	91	2713346	86	2718290	87
2513144	33	2513815	40	2711297	92	2713350	86	2718292	87
2513146	33	2513839	39	2711298	91	2713382	86	2718294	87
2513148	33	2513841	40	2711299	92	2713384	86	2718296	87
2513150	33	2513843	40	2711304	91	2713386	86	2718298	87
2513154	33	2513845	40	2711305	92	2713388	86	2718300	87
2513600	39	2513847	40	2711306	91	2713390	86	2718302	87
2513602	39	2513849	40	2711307	92	2713392	86	2718304	87
2513606	39	2513850	40	2712126	83	2713394	86	2718332	88
2513608	39	2513851	40	2712130	83	2713396	86	2718334	88
2513610	39	2514130	42	2712134	83	2713400	86	2718336	88
2513612	39	2514134	42	2712138	83	2713402	86	2718338	88
2513614	39	2514138	42	2712142	83	2713406	86	2718340	88
2513618	40	2514142	42	2712144	83	2713408	86	2718342	88
2513624	39	2514144	42	2712526	82	2713410	86	2718344	88
2513626	39	2514146	42	2712530	82	2713412	86	2718346	88
2513628	39	2514148	42	2712534	82	2713414	86	2718350	88
2513630	39	2514150	42	2712538	82	2713416	86	2718382	88
2513634	40	2514154	42	2712542	82	2713418	86	2718384	88
2513640	40	2515530	49	2712544	82	2713420	86	2718386	88
2513651	39	2515534	49	2713126	83	2713424	86	2718388	88
2513653	40	2515538	49	2713130	83	2713428	86	2718390	88
2513655	40	2515542	49	2713134	83	2713432	86	2718392	88
2513657	40	2515544	49	2713138	83	2713436	86	2718394	88
2513663	39	2515546	49	2713142	83	2713438	86	2718396	88
2513665	40	2515548	49	2713144	83	2713440	86	2718400	88
2513667	40	2515550	49	2713256	85	2713442	86	2718402	88
2513669	40	2515554	49	2713258	85	2713444	86	2718406	88
2513671	40	2541830	77	2713260	85	2713446	86	2718408	88

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2718412	88	5200100	135	5232225	131	5252080	133	5268180	134
2718414	88	5200120	135	5232250	131	5252090	133	5268200	134
2718416	88	5200140	135	5236040	131	5252100	133	5268225	134
2718418	88	5200160	135	5236050	131	5252120	133	5268250	134
2718420	88	5200180	135	5236060	131	5252140	133	5280040	135
2718424	88	5200200	135	5236070	131	5252160	133	5280050	135
2718428	88	5200225	135	5236080	131	5252180	133	5280060	135
2718432	88	5200250	135	5236090	131	5252200	133	5280070	135
2718436	88	5224040	130	5236100	131	5252225	133	5280080	135
2718438	88	5224050	130	5236120	131	5252250	133	5280090	135
2718440	88	5224060	130	5236140	131	5256040	133	5280100	135
2718442	88	5224070	130	5236160	131	5256050	133	5280120	135
2718444	88	5224080	130	5236180	131	5256060	133	5280140	135
2718446	88	5224090	130	5236200	131	5256070	133	5280160	135
2718448	88	5224100	130	5236225	131	5256080	133	5280180	135
2718450	88	5224120	130	5236250	131	5256090	133	5280200	135
2718454	88	5224140	130	5240040	132	5256100	133	5280225	135
2718458	88	5224160	130	5240050	132	5256120	133	5280250	135
2718462	88	5224180	130	5240060	132	5256140	133	6252050	125
2718466	88	5224200	130	5240070	132	5256160	133	6252060	125
2770125	81	5224225	130	5240080	132	5256180	133	6252070	125
2770126	81	5224250	130	5240090	132	5256200	133	6252080	125
2770129	81	5228040	130	5240100	132	5256225	133	6252090	125
2770130	81	5228050	130	5240120	132	5256250	133	6252100	125
2770133	81	5228060	130	5240140	132	5260040	134	6252120	125
2770134	81	5228070	130	5240160	132	5260050	134	6252140	125
2770137	81	5228080	130	5240180	132	5260060	134	6252160	125
2770138	81	5228090	130	5240200	132	5260070	134	6252180	125
2770141	81	5228100	130	5240225	132	5260080	134	6252200	125
2770142	81	5228120	130	5240250	132	5260090	134	6252225	125
2770143	81	5228140	130	5248040	132	5260100	134	6252250	125
2770144	81	5228160	130	5248050	132	5260120	134	6256040	125
3570125	21	5228180	130	5248060	132	5260140	134	6256050	125
3570130	21	5228200	130	5248070	132	5260160	134	6256060	136
3570134	21	5228225	130	5248080	132	5260180	134	6256060	128
3570138	21	5228250	130	5248090	132	5260200	134	6256060	125
3570142	21	5232040	131	5248100	132	5260225	134	6256060	125
3570144	21	5232050	131	5248120	132	5260250	134	6256070	125
3570146	21	5232060	131	5248140	132	5268040	134	6256080	125
3570148	21	5232070	131	5248160	132	5268050	134	6256090	125
3570150	21	5232080	131	5248180	132	5268060	134	6256100	125
3570154	21	5232090	131	5248200	132	5268070	134	6256118	136
5200040	135	5232100	131	5248225	132	5268080	134	6256118	128
5200050	135	5232120	131	5248250	132	5268090	134	6256118	125
5200060	135	5232140	131	5252040	133	5268100	134	6256120	125
5200070	135	5232160	131	5252050	133	5268120	134	6256140	125
5200080	135	5232180	131	5252060	133	5268140	134	6256160	125

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6256200	125	6400070	127	6432160	129	6452050	131	6468120	132
6256225	125	6400080	127	6432180	129	6452060	131	6468140	132
6256250	125	6400090	127	6432200	129	6452070	131	6468160	132
6260040	126	6400100	127	6432225	129	6452080	131	6468180	132
6260050	126	6400120	127	6432250	129	6452090	131	6468200	132
6260060	126	6400140	127	6436040	129	6452100	131	6468225	132
6260070	126	6400160	127	6436050	129	6452120	131	6468250	132
6260080	126	6400180	127	6436060	129	6452140	131	6480040	133
6260090	126	6400200	127	6436070	129	6452160	131	6480050	133
6260100	126	6400225	127	6436080	129	6452180	131	6480060	133
6260120	126	6400250	127	6436090	129	6452200	131	6480070	133
6260140	126	6424040	128	6436100	129	6452225	131	6480080	133
6260160	126	6424050	128	6436120	129	6452250	131	6480090	133
6260180	126	6424060	128	6436140	129	6456040	131	6480100	133
6260200	126	6424070	128	6436160	129	6456050	131	6480120	133
6260225	126	6424080	128	6436180	129	6456060	131	6480140	133
6260250	126	6424090	128	6436200	129	6456070	131	6480160	133
6268040	126	6424100	128	6436225	129	6456080	131	6480180	133
6268050	126	6424120	128	6436250	129	6456090	131	6480200	133
6268060	126	6424140	128	6440040	130	6456100	131	6480225	133
6268070	126	6424160	128	6440050	130	6456120	131	6480250	133
6268080	126	6424180	128	6440060	130	6456140	131		
6268090	126	6424200	128	6440070	130	6456160	131		
6268100	126	6424225	128	6440080	130	6456180	131		
6268120	126	6424250	128	6440090	130	6456200	131		
6268140	126	6428040	128	6440100	130	6456225	131		
6268160	126	6428050	128	6440120	130	6456250	131		
6268180	126	6428060	128	6440140	130	6460040	132		
6268200	126	6428070	128	6440160	130	6460050	132		
6268225	126	6428080	128	6440180	130	6460060	132		
6268250	126	6428090	128	6440200	130	6460070	132		
6280040	127	6428100	128	6440225	130	6460080	132		
6280050	127	6428120	128	6440250	130	6460090	132		
6280060	127	6428140	128	6448040	130	6460100	132		
6280070	127	6428160	128	6448050	130	6460120	132		
6280080	127	6428180	128	6448060	130	6460140	132		
6280090	127	6428200	128	6448070	130	6460160	132		
6280100	127	6428225	128	6448080	130	6460180	132		
6280120	127	6428250	128	6448090	130	6460200	132		
6280140	127	6432040	129	6448100	130	6460225	132		
6280160	127	6432050	129	6448120	130	6460250	132		
6280180	127	6432060	129	6448140	130	6468040	132		
6280200	127	6432070	129	6448160	130	6468050	132		
6280225	127	6432080	129	6448180	130	6468060	132		
6280250	127	6432090	129	6448200	130	6468070	132		
6400040	127	6432100	129	6448225	130	6468080	132		
6400050	127	6432120	129	6448250	130	6468090	132		

WORKING PRESSURE

PERMISSIBLE WORKING PRESSURE – POTABLE WATER

Fluid transported: water acc. to DIN 2000

Temperature	Years of service	aquatherm green pipe SDR 11 S	aquatherm green pipe SDR 7.4 S	aquatherm green pipe SDR 6 S	aquatherm green pipe SDR 7.4 MF	aquatherm green pipe SDR 9 MFRP					
		Permissible working pressure in bar and (psi)									
		bar	(psi)	bar	(psi)	bar	(psi)	bar	(psi)	bar	(psi)
20 °C 68 °F	1	15,0	(218)	23,8	(345)	30,0	(435)	28,6	(415)	25,0	(363)
	5	14,1	(205)	22,3	(323)	28,1	(408)	26,8	(389)	24,2	(351)
	10	13,7	(199)	21,7	(315)	27,3	(396)	26,1	(379)	23,9	(347)
	25	13,3	(193)	21,1	(306)	26,5	(384)	25,3	(367)	23,5	(341)
	50	12,9	(187)	20,4	(296)	25,7	(373)	24,5	(355)	23,1	(335)
30 °C 86 °F	1	12,8	(186)	20,2	(293)	25,5	(370)	24,3	(352)	21,7	(315)
	5	12,0	(174)	19,0	(276)	23,9	(347)	22,8	(331)	21,0	(305)
	10	11,6	(168)	18,3	(265)	23,1	(335)	22,0	(319)	20,6	(299)
	25	11,2	(162)	17,7	(257)	22,3	(323)	21,3	(309)	20,2	(293)
	50	10,9	(158)	17,3	(251)	21,8	(316)	20,7	(300)	20,0	(290)
Potable water (cold) Potable water (warm)	40 °C 104 °F	1	17,1	(248)	21,5	(312)	20,5	(297)	18,7	(271)	
		5	16,0	(232)	20,2	(293)	19,2	(278)	18,0	(261)	
		10	15,6	(226)	19,6	(284)	18,7	(271)	17,7	(257)	
		25	15,0	(218)	18,8	(273)	18,0	(261)	17,4	(252)	
		50	14,5	(210)	18,3	(265)	17,5	(254)	17,0	(247)	
	50 °C 122 °F	1	14,5	(210)	18,3	(265)	17,5	(254)	15,9	(231)	
		5	13,5	(196)	17,0	(247)	16,2	(235)	15,3	(222)	
		10	13,1	(190)	16,5	(239)	15,7	(228)	15,1	(219)	
		25	12,6	(183)	15,9	(231)	15,2	(220)	14,8	(215)	
		50	12,2	(177)	15,4	(223)	14,7	(213)	14,5	(210)	
	60 °C 140 °F	1	12,2	(177)	15,4	(223)	14,7	(213)	13,5	(196)	
		5	11,4	(165)	14,3	(207)	13,7	(199)	13,0	(189)	
		10	11,0	(160)	13,8	(200)	13,2	(191)	12,8	(186)	
		25	10,5	(152)	13,3	(193)	12,6	(183)	12,5	(181)	
		50	10,1	(146)	12,7	(184)	12,1	(175)	12,3	(178)	
	65 °C 149 °F	1	11,6	(168)	14,6	(212)	13,9	(202)	12,4	(180)	
		5	10,8	(157)	13,6	(197)	12,9	(187)	11,9	(173)	
		10	10,4	(151)	13,1	(190)	12,5	(181)	11,7	(170)	
		25	10,0	(145)	12,6	(183)	12,0	(174)	11,4	(165)	
		50	8,8	(128)	11,1	(161)	10,6	(154)	11,2	(162)	
70 °C 158 °F	1	10,3	(149)	13,0	(189)	12,4	(180)	11,4	(165)		
	5	9,5	(138)	11,9	(173)	11,4	(165)	10,9	(158)		
	10	9,3	(135)	11,7	(170)	11,1	(161)	10,7	(155)		
	25	8,0	(116)	10,1	(146)	9,6	(139)	10,5	(152)		
	30	7,0	(102)	8,8	(128)	9,3	(135)	10,3	(149)		
50	6,7	(97)	8,5	(123)	8,1	(117)	10,2	(148)			

Faser composite pipe: high working stress at lower wall thickness and higher flow rate

SDR = Standard Dimension Ratio (diameter/wall thickness ratio)

S = single-layer

MF = multi-layer faser

MFRP = multi-layer faser – raised pressure resistance

The determination of the allowable pressures resulted from the specific conditions to which pipe system components in the drinking water domestic installation are exposed to.

Limiting factors such as increased flow rates, the use of disinfectants, increased content of oxygen, etc. were considered by the use of the appropriate safety factors.

For fittings of butt-welded pipe segments a reduction factor of 0.75 (reduction of the table values by 25 %) is effective.

PERMISSIBLE WORKING PRESSURE

for general pressure pipe applications (no potable water) in permanent operation outside the application areas shown on the previous page.

Temperature	Years of service	aquatherm blue pipe SDR 17,6 MF RP		aquatherm blue pipe SDR 11 MF RP		aquatherm green pipe SDR 7.4 MF		aquatherm green pipe SDR 9 MF RP	
		Permissible working pressure in bar and (psi)							
		bar	(psi)	bar	(psi)	bar	(psi)	bar	(psi)
10 °C 50 °F	10	13,1	(190,0)	25,3	(366,9)	27,7	(402)	27,5	(399)
	25	12,9	(187,1)	24,7	(358,2)	26,9	(390)	27,1	(393)
	50	12,7	(184,2)	24,1	(349,5)	26,1	(379)	26,7	(387)
	100	12,6	(182,7)	23,5	(340,8)	25,2	(366)	26,3	(381)
15 °C 59 °F	10	12,3	(178,4)	23,4	(338,7)	26,9	(390)	25,7	(373)
	25	12,1	(175,5)	22,8	(330,7)	26,1	(379)	25,2	(366)
	50	11,9	(172,6)	22,2	(322,0)	25,3	(367)	24,9	(361)
	100	11,7	(169,7)	21,6	(313,3)	24,5	(355)	24,5	(355)
20 °C 68 °F	10	11,4	(165,3)	21,4	(310,4)	26,1	(379)	23,9	(347)
	25	11,2	(162,4)	21,0	(304,6)	25,3	(367)	23,5	(341)
	50	11,0	(159,5)	20,4	(295,9)	24,5	(355)	23,1	(335)
	100	10,9	(158,1)	19,9	(288,6)	23,7	(344)	22,8	(331)
30 °C 86 °F	10	9,8	(142,1)	18,3	(265,4)	22,0	(319)	20,6	(299)
	25	9,6	(139,2)	17,8	(258,2)	21,3	(309)	20,2	(293)
	50	9,5	(137,8)	17,3	(250,9)	20,7	(300)	19,9	(289)
	100	9,4	(136,3)	16,8	(243,7)	20,0	(290)	19,7	(286)
40 °C 104 °F	10	8,4	(121,8)	15,5	(224,8)	18,7	(271)	17,7	(257)
	25	8,3	(120,4)	15,0	(217,6)	18,0	(261)	17,3	(251)
	50	8,1	(117,5)	14,6	(211,8)	17,5	(254)	17,1	(248)
	100	8,0	(116,0)	14,1	(204,5)	16,8	(244)	16,8	(244)
50 °C 122 °F	10	7,2	(104,4)	13,0	(188,5)	15,7	(228)	15,1	(219)
	25	7,0	(101,5)	12,6	(182,7)	15,2	(220)	14,7	(213)
	50	6,9	(100,1)	12,2	(176,9)	14,7	(213)	14,5	(210)
	100	6,8	(98,6)	11,9	(172,6)	14,1	(205)	14,3	(207)
60 °C 140 °F	10	6,1	(88,5)	10,9	(158,1)	13,2	(191)	12,7	(184)
	25	5,9	(85,6)	10,6	(153,7)	12,6	(183)	12,4	(180)
	50	5,8	(84,1)	10,3	(149,4)	12,1	(175)	12,2	(177)
70 °C 158 °F	10	5,1	(74,0)	8,5	(123,3)	11,1	(161)	10,7	(155)
	25	5,0	(72,5)	8,3	(120,4)	9,6	(139)	10,4	(151)
	50	4,9	(71,1)	8,1	(117,5)	8,1	(117)	10,2	(148)
75 °C 167 °F	10	4,6	(66,7)	7,7	(111,7)	10,0	(145)	9,7	(141)
	25	4,5	(65,3)	7,6	(110,2)	8,0	(116)	9,5	(138)
	50	4,4	(63,8)	7,3	(105,9)	6,7	(97)	9,3	(135)
80 °C 176 °F	5	4,3	(62,4)	7,2	(104,4)	9,2	(133)	9,0	(131)
	10	4,2	(60,9)	7,0	(101,5)	7,8	(113)	8,9	(129)
	25	4,1	(59,5)	6,8	(98,6)	6,2	(90)	8,6	(125)
90 °C 194 °F	5	3,5	(50,8)	5,9	(85,6)	6,0	(87)	7,4	(107)
	10	3,4	(49,3)	5,8	(84,1)	5,1	(74)	7,3	(106)

SDR = Standard Dimension Ratio (diameter/wall thickness ratio)

S = single-layer

MF = multi-layer faser

MF RP = multi-layer faser – raised pressure resistance

For fittings of butt-welded pipe segments a reduction factor of 0.75 (reduction of the table values by 25 %) is effective.

FURTHER INFORMATION

aquatherm green pipe pipe system for potable water supply	Ord.-No.: E10101
aquatherm blue pipe for chilled, hot fluid and various industrial applications	Ord.-No.: E10050
aquatherm red pipe sprinkler pipe system	Ord.-No.: E40000
aquatherm orange system underfloor heating systems	Ord.-No.: E90001
aquatherm black system heating and cooling system for ceiling, floor and wall	Ord.-No.: E97060
aquatherm grey pipe potable water and radiator connection system	Ord.-No.: E70001
aquatherm - article list	Ord.-No.: E54152
aquatherm - reference catalogue	Ord.-No.: E57002
aquatherm ti - district heating pipeline systems	Ord.-No.: E30000
aquatherm Prefabrication - planning and fabrication of manifolds and special components	Ord.-No.: E18198

For more detailed information, please contact our information service at **+49 2722 950 0** or simply visit our download area at the website **www.aquatherm.de**.



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