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PRODUCT CATALOGUE 2015



aquatherm

state of the pipe



NEW ARTICLES SINCE THE LAST VERSION

Page	Article-No.	Article
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39	20197 & 20198	aquatherm green pipe flow-through back plate elbow (new design)
75	2470711 & 2470712	aquatherm blue pipe SDR 11ot ti pipe 32 mm
	1370741 & 1370742	aquatherm green pipe SDR 9 ti pipe 315 mm
76	1312542	aquatherm green pipe SDR 9 ti 315 mm elbow 45°
77	1312142	aquatherm green pipe SDR 9 ti 315 mm elbow 90°
77	1313142	aquatherm green pipe SDR 9 ti 315 mm branch
78	1318142	aquatherm green pipe SDR 9 ti 315 mm cross-over branch
80	1313406-1313432	aquatherm green pipe SDR 9 ti 315 mm red.-branch
82	1318406-1318432	aquatherm green pipe SDR 9 ti 315 mm red. cross-over branch
		aquatherm grey pipe
90	779050 & 779052	aquatherm grey pipe flow-through back plate elbow (new design)
111	779189	aquatherm grey pipe transition piece with female thread 25 mm
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107	777030 & 777032	aquatherm grey pipe multi layer metal composite pipe with insulation
108	79050 & 79052	aquatherm grey pipe flow-through back plate elbow (new design)
		aquatherm black system
121-126	5000040 / 5024040 5028040 / 5032040 5036040 / 5040040 5048040 / 5056040 5060040 / 5068040 5080040	aquatherm black system heating and cooling grids length 40 cm
129	81192 & 81193	aquatherm black system adhesive
129	81194 & 81195	aquatherm black system solvent
130	81099-81115	aquatherm black system grid connection sets
130	50283	aquatherm black system welding tool 14x24 mm
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132	50823	17 mm false jaw for the aquatherm grey pipe-expanding tool
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139	93111 & 93124	aquatherm orange system universal manifold cabinet UP 6 & AP 5
140	94102 & 94103	aquatherm orange system actuator 230 & 24 volt (new design)
140	94162	aquatherm orange system return temperature limiter
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141	94146 & 94147	aquatherm orange system automatic control (up to 6 and 12 radio controls wireless connectable)
141	94145	aquatherm orange system system transformer 24 volt
141	94151	aquatherm orange system room thermostat wireless (new design)
141	94152	aquatherm orange system connection system heating/cooling 24 volt (new design)
141	94154	aquatherm orange system room thermostat heating/cooling 24 volt (new design)

All prices are for piece, m, m², kg or set.

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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REBRANDING

The desire to avoid stagnation and continuously improve our products, as well as to find new fields of application and create solutions quickly, has resulted in some of the well-known aquatherm product groups. This often led to systems being named as they emerged and has resulted in naming conventions that no longer accurately convey the suitable applications for the pipe.

Another issue is that many of our pipes and systems have names that do not relate to each other, and in turn do not relate those products to their parent company, aquatherm. Furthermore, other companies from different industries around the globe use similar names, creating confusion between aquatherm products and their products. The desired uniqueness of our system identification is lost.

no.:	new branding structure					Material / Glas fibre content GF[%]/ fire class. Acc. ISO 11925	old brand name	article-no.
	brand name		appendix					
	company	system	Standard Dimension Ratio	structure of pipe	special feature of pipe			
1	aquatherm	green pipe	SDR 11	S		PP-R/GF0/E	fusiotherm SDR11	10208 ... 10248
2	aquatherm	green pipe	SDR 7.4	S		PP-R/GF0/E	fusiotherm SDR7.4	10806 ... 10908
3	aquatherm	green pipe	SDR 6	S		PP-R/GF0/E	fusiotherm SDR6	10006 ... 10110
4	aquatherm	green pipe	SDR 7.4	MS			fusiotherm Stabi-composite pipe	70806 ... 70856
5	aquatherm	green pipe	SDR 7.4	MF		PP-R/GF7/E	fusiotherm faser composite pipe	70708 ... 70738
6	aquatherm	green pipe	SDR 7.4	MF	UV	inliner like 5 with black PE-coating	fusiotherm faser composite pipe UV	70758 ... 70788
7	aquatherm	green pipe	SDR 9	MF	TI	inliner like 5 with PU-Insulation and black PE-casing	fusiotherm faser composite pipe ISO	1370711 ... 1370738
8	aquatherm	green pipe	SDR 9	MF	RP	PP-RP/GF7/E	aquatherm green pipe faser composite pipe	370712 ... 370744
9	aquatherm	green pipe	SDR 9	MF	RP UV	inliner like 8 with black PE-coating	aquatherm green pipe faser composite pipe UV	370762 ... 370794
10	aquatherm	blue pipe	SDR 11	S		PP-R/GF0/E	Climatherm SDR11	2010208 ... 2010312
11	aquatherm	blue pipe	SDR 7.4 / SDR 11 / SDR 17.6	MF		PP-R/GF7/E	Climatherm faser composite pipe SDR 7.4 / SDR 11 / SDR 17.6	2070708 ... 2570154
12	aquatherm	blue pipe	SDR 7.4 / SDR 11	MF	UV	inliner like 11 with black PE-coating	Climatherm faser composite pipe SDR7.4/SDR11 UV	2070162 ... 2070762
13	aquatherm	blue pipe	SDR 7.4 / SDR 11	MF	OT	inliner like 11 with EVOH O2-barrier	Climatherm faser composite pipe SDR7.4/SDR11 OT	2170114 ... 2170712
14	aquatherm	blue pipe	SDR 7.4 / SDR11	MF	TI	inliner like 11 with PU-Insulation and black PE-casing	Climatherm faser composite pipe SDR7.4/SDR11 ISO	2270111 ... 2270142
15	aquatherm	blue pipe	SDR 7.4 / SDR11	MF	OT-TI	inliner like 13 with PU-insulation and black PE-casing	Climatherm faser composite pipe SDR7.4/SDR11 OT ISO	2470711 ... 2470138
16	aquatherm	red pipe	SDR 7.4	MF	HI	PP-R/GF7/B-s1,d0	aquatherm firestop	4170130 ... 4170726
17	aquatherm	lilac pipe	SDR 7.4 / SDR11	S		PP-R/GF0/E	aquatherm lilac	9010212 ... 9010808
18	aquatherm	black system					OT	climasystem
19	aquatherm	orange system		S			OT	aquatherm floor heating
20	aquatherm	grey pipe						aquatherm SHT

Thus, the next logical step for us is to introduce a naming system that matches and unifies our products.

During the transition period, the products will have the old and the new system name. This will help to facilitate familiarization and orientation in the market.

LEGEND			
S	single layer	OT	oxygen tight
M	multilayer	UV	ultraviolet protected
MS	multilayer stabi	TI	isolated with PUR and external PE pipe
MF	multilayer faser	RP	raised pressure (resistance)
		HI	hardly inflammable

fields of application									
potable water	HVACR	swimming pool	chemical fluids	recycled & reclaimed water	fire protection	compressed air	district heating	geothermal	shipbuilding sector
●	○	●	●	○		○	●	●	●
●	○	●	●	○		○	●	●	●
●	○	●	●	○		○	●	●	●
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					●				
				●					
●									
●									
●	○								

System recommended due to its technical advantages: ●

Application of the system is suitable: ○

Fields of application



potable water application



heating system construction



connection heating and cooling



underfloor heating



wall heating



ceiling heating and cooling



industrial floor cooling



industrial floor heating



chilled water technology



agriculture



sports floor heating and cooling



swimming-pool technology



chemical transport



rainwater application



irrigation



fire protection sprinkler-systems



application in the field of ship building



district heating pipeline systems



geothermal

short cuts structure of pipe

S	single
M	multilayer
MF	multilayer faser
MS	multilayer stabi
OT	oxygen tight
UV	UV resistant
TI	thermal insulation
HI	hardly inflammable

short cuts material

PP	polypropylene
PP-R	polypropylene random
PP-RP	polypropylen with raised pressure
PB	polybutene
PE-RT	polyethylene with raised temperature resistance
PEX	cross-linked polyethylene
AL	aluminium

fusiotherm® - the innovative multi-purpose pipe that was a revolution for the plastic pipe industry and has evolved over decades will be called **aquatherm green pipe®**. The pipe launched under this new name in several international markets three years ago and quickly came to be recognized for the highest quality and environmental responsibility. Its environmental benefits as well as the world-famous and often copied colour of the pipe system are the basis for the new name.

aquatherm green pipe

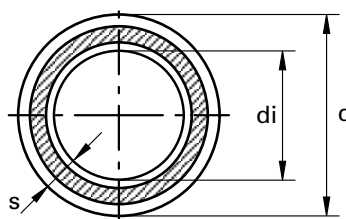
Pipe system made of polypropylene

for potable water supply

article-no.	old brand name	new brand name		Standard Dimension Ratio	structure of pipe	special feature of pipe	material
		company	system				
10208 ... 10248	fusiotherm SDR11	aquatherm	green pipe	SDR 11	S		PP-R
10806 ... 10818	fusiotherm SDR7.4	aquatherm	green pipe	SDR 7.4	S		PP-R
10006 ... 10024	fusiotherm SDR6	aquatherm	green pipe	SDR 6	S		PP-R
70806 ... 70824	fusiotherm stabi composite pipe	aquatherm	green pipe	SDR 7.4	MS		PP-R
70708 ... 70738	fusiotherm faser composite pipe	aquatherm	green pipe	SDR 7.4	MF		PP-R
70758 ... 70788	fusiotherm faser composite pipe UV	aquatherm	green pipe	SDR 7.4	MF	UV	PP-R
1370711 ... 1370738	fusiotherm faser composite pipe ISO	aquatherm	green pipe	SDR 9	MF	TI	PP-R
370712 ... 370744	aquatherm green pipe	aquatherm	green pipe	SDR 9	MF	RP	PP-RP
370762 ... 370794	aquatherm green pipe	aquatherm	green pipe	SDR 9	MF	RP UV	PP-RP

aquatherm green pipe SDR 9 MF RP

Structure of pipe:	MF = multilayer, with fibre reinforced
Special feature of pipe:	RP (raised pressure)
Material:	fusiotherm PP-R
Pipe series:	SDR 9/S 4
Standard:	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 fusiotherm® 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/pc
9	Socket welding								
	370712	32	3,6	24,8	0,483	0,317	25	40	
	370714	40	4,5	31,0	0,754	0,499	32	40	
	370716	50	5,6	38,8	1,182	0,761	40	20	
	370718	63	7,1	48,8	1,869	1,231	50	20	
	370720	75	8,4	58,2	2,659	1,771	-	20	
	370722	90	10,1	69,8	3,825	2,553	65	12	
	370724	110	12,3	85,4	5,725	3,789	80	8	
	370726	125	14,0	97,0	7,386	4,886	100	4	
	Butt welding								
	370730	160	17,9	124,2	12,109	7,987	125	5,8	
	370734	200	22,4	155,2	18,908	12,489	150	5,8	
	370738	250	27,9	194,2	29,605	19,423	200	5,8	
	370742	315	35,2	244,6	46,966	30,877	250	5,8	
	370744	355	39,7	275,6	59,625	39,203	-	5,8	

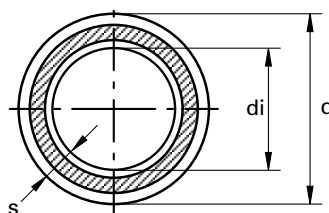
aquatherm green pipe SDR 7.4 MF

Structure of pipe: MF = multilayer, with 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

Colour: green with 4 dark green stripes
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:



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/pc
7.4	Socket welding								
	70708	20	2,8	14,4	0,163	0,159	15	100	
	70710	25	3,5	18,0	0,254	0,247	20	100	
	70712	32	4,4	23,2	0,423	0,395	25	40	
	70714	40	5,5	29,0	0,660	0,610	32	40	
	70716	50	6,9	36,2	1,029	0,950	40	20	
	70718	63	8,6	45,8	1,647	1,490	50	20	
	70720	75	10,3	54,4	2,323	2,115	-	20	
	70722	90	12,3	65,4	3,358	3,030	65	12	
	70724	110	15,1	79,8	4,999	4,530	80	8	
	70726	125	17,1	90,8	6,472	6,211	-	4	
	Butt welding								
	70730	160	21,9	116,2	10,599	9,750	125	5,8	
	70734	200	27,4	145,2	16,558	15,005	150	5,8	
	70738	250	34,2	181,6	25,901	23,470	175	5,8	
315-355		Dimensions 315 and 355 mm see aquatherm green pipe SDR 9 MF RP on page 7							

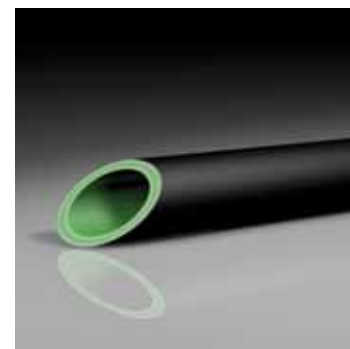
aquatherm green pipe SDR 9 MF RP UV

Structure of pipe: MF = multilayer, with fibre reinforced
Special feature of pipe: RP (raised pressure), UV resistant
Material: fusiolen PP-RP
Pipe series: SDR 9/S 4
Standards: SKZ HR 3.28, ASTM F 2389, ISO 21003, SKZ A632/A644
Colour: inner layer: green with 4 dark green stripes
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-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/pc
9	Socket welding								
	370762	32	3,6	24,8	0,483	0,399	25	40	
	370764	40	4,5	31,0	0,754	0,591	32	40	
	370766	50	5,6	38,8	1,182	0,895	40	20	
	370768	63	7,1	48,8	1,869	1,397	50	20	
	370770	75	8,4	58,2	2,659	1,929	-	20	
	370772	90	10,1	69,8	3,825	2,745	65	12	
	370774	110	12,3	85,4	5,725	4,169	80	8	
	370776	125	14,0	97,0	7,386	5,382	100	4	
	Butt welding								
	370780	160	17,9	124,2	12,109	8,466	125	5,8	
	370784	200	22,4	155,2	18,908	13,196	150	5,8	
	370788	250	27,9	194,2	29,605	20,170	200	5,8	
	370792	315	35,2	244,6	46,966	31,816	250	5,8	
	370794	355	39,7	275,6	59,625	40,262	-	5,8	

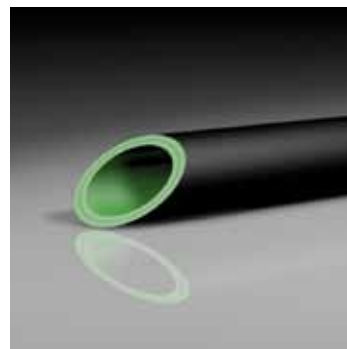
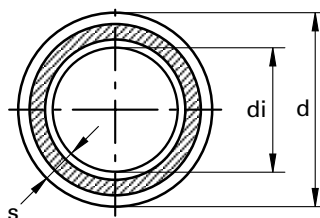
aquatherm green pipe

aquatherm blue pipe

aquatherm lilac pipe

aquatherm green pipe SDR 7.4 MF UV

Structure of pipe:	MF = multilayer, with fibre reinforced
Special feature of pipe:	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
Colour:	outer layer: black inner layer: green
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:	

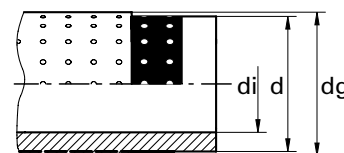
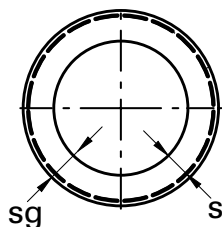


Resistant against UV-rays. Mechanically stabilized through a faser mix integrated in the middle layer of the fusiolen® PP-R.

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/pc
7.4	Socket welding								
	70758	20	2,8	14,4	0,163	0,211	15	100	
	70760	25	3,5	18,0	0,254	0,316	20	100	
	70762	32	4,4	23,2	0,423	0,488	25	40	
	70764	40	5,5	29,0	0,660	0,733	32	40	
	70766	50	6,9	36,2	1,029	1,108	40	20	
	70768	63	8,6	45,8	1,647	1,697	50	20	
	70770	75	10,3	54,4	2,323	2,363	50	20	
	70772	90	12,3	65,4	3,358	3,400	65	12	
	70774	110	15,1	79,8	4,999	5,093	80	8	
	70776	125	17,1	90,8	6,472	6,450	-	4	
	Butt welding								
	70780	160	21,9	116,2	10,599	10,415	100	5,8	
	70784	200	27,4	145,2	16,550	15,987	150	5,8	
	70788	250	34,2	181,6	25,888	24,932	175	5,8	
315-355		Dimensions 315 and 355 mm see aquatherm green pipe SDR 9 MF RP UV on page 9							

aquatherm green pipe SDR 7.4 MS

Structure of pipe:	MS = multilayer stabi
Material:	fusiolen PP-R, aluminium
Pipe series:	SDR 7.4/S 3.2
Standards:	DIN 8077/78, DIN EN ISO 15874, ASTM F 2389, CSA B 137.11
Colour:	green
Form supplied:	4 m straight lengths, also* in coils
Packing Unit:	PU in Meter
Application:	

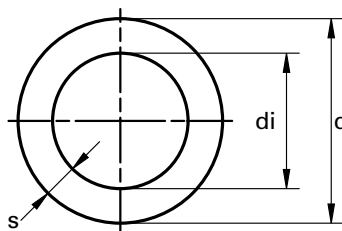


Mechanically stabilized through integrated aluminium-layer

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
7.4	70806	16	2,2	11,6	0,106	0,144	12	100	
	70808	20	2,8	14,4	0,163	0,216	15	100	
	70810	25	3,5	18,0	0,254	0,296	20	100	
	70812	32	4,5	23,0	0,415	0,471	25	40	
	70814	40	5,6	28,8	0,651	0,670	32	40	
	70816	50	6,9	36,2	1,029	1,025	40	20	
	70818	63	8,7	45,6	1,632	1,530	50	20	
	70820	75	10,4	54,4	2,306	2,197	-	20	
	70822	90	12,5	65,4	3,317	3,226	65	12	
	70824	110	15,2	79,8	4,974	4,735	80	8	
	70856*	16	2,2	11,6	0,106	0,150	12	100	

aquatherm green pipe SDR 6 / 7.4 S

Structure of pipe: s (single)
Material: fusiole 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, also* 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
6	10006	16	2,7	10,6	0,088	0,111	10	100	
	10008	20	3,4	13,2	0,137	0,171	12	100	
	10010	25	4,2	16,6	0,216	0,266	15	100	
	10012	32	5,4	21,2	0,353	0,428	20	40	
	10014	40	6,7	26,6	0,555	0,660	25	40	
	10016	50	8,3	33,4	0,876	1,054	32	20	
	10018	63	10,5	42,0	1,385	1,697	40	20	
	10020	75	12,5	50,0	1,963	2,328	50	20	
	10022	90	15,0	60,0	2,826	3,415	60	12	
	10024	110	18,3	73,4	4,229	5,150	65	8	
	10106*	16	2,7	10,6	0,088	0,111	10	100	
	10108*	20	3,4	13,2	0,137	0,172	12	100	
7.4	10110*	25	4,2	16,6	0,216	0,260	15	100	
	10806	16	2,2	11,6	0,106	0,098	12	100	
	10808	20	2,8	14,4	0,163	0,152	15	100	
	10810	25	3,5	18,0	0,254	0,235	20	100	
	10812	32	4,4	23,2	0,423	0,375	25	40	
	10814	40	5,5	29,0	0,660	0,580	32	40	
	10816	50	6,9	36,2	1,029	0,905	40	20	
	10818	63	8,6	45,8	1,647	1,420	50	20	
	10906*	16	2,2	11,6	0,106	0,100	12	100	
	10908*	20	2,8	14,4	0,163	0,149	15	100	

aquatherm green pipe

aquatherm blue pipe

aquatherm lilac pipe

aquatherm green pipe SDR 11 S / MF

Structure of pipe: 20-355 mm = s (single)
400&450 mm = MF (multilayer faser)

Material: fusiolen PP-R

Pipe series: SDR 11/S5

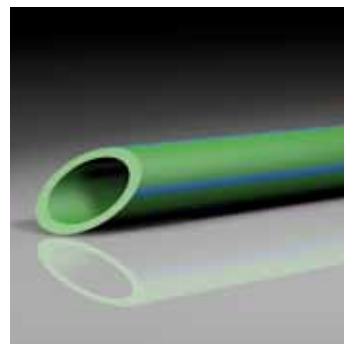
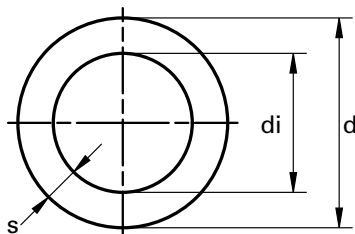
Standards: DIN 8077/78, DIN EN ISO 15874, ASTM F 2389, CSA B 137.11

Colour: green with 4 blue stripes

Form supplied: ø 20-125 mm 4 m straight lengths, also* 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/pc
11	Socket welding								
	10208	20	1,9	16,2	0,206	0,109	15	100	
	10210	25	2,3	20,4	0,327	0,165	20	100	
	10212	32	2,9	26,2	0,539	0,265	25	40	
	10214	40	3,7	32,6	0,834	0,415	32	40	
	10216	50	4,6	40,8	1,307	0,645	40	20	
	10218	63	5,8	51,4	2,074	1,015	50	20	
	10220	75	6,8	61,4	2,959	1,415	65	20	
	10222	90	8,2	73,6	4,252	2,045	80	12	
	10224	110	10,0	90,0	6,359	3,136	-	8	
	10226	125	11,4	102,2	8,199	3,927	100	4	
	10308*	20	1,9	16,2	0,206	0,109	15	100	
	10310*	25	2,3	20,4	0,327	0,158	20	100	
	10312*	32	2,9	26,2	0,539	0,257	25	50	
	Butt welding								
	10230	160	14,6	130,8	13,430	6,416	125	5,8	
	10234	200	18,2	163,6	21,010	9,991	150	5,8	
	10238	250	22,7	204,6	32,861	15,540	200	5,8	
	10242	315	28,6	257,8	52,172	25,700	250	5,8	
	10244	355	32,2	290,6	66,325	31,300	300	5,8	
	10246 ¹⁾	400	36,3	327,6	84,290	41,400	300	5,8	
	10248 ¹⁾	450	40,9	368,2	106,477	52,400	400	5,8	

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

climatherm our specialty for distributing cooling and heating in closed systems as well as in several industrial applications, will become **aquatherm blue pipe**. This system was developed 10 years ago in order to prevent corrosion in air conditioning pipes and quickly expanded its range of application, with many positive features for other fields of piping installation. It has gone on to find success around the world in hotels, stadiums, schools, offices, and industrial applications.

aquatherm blue pipe

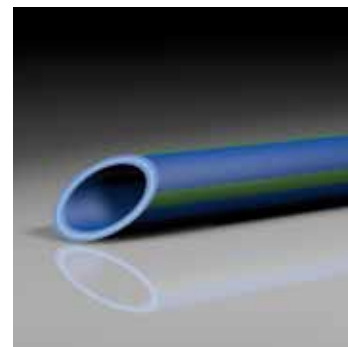
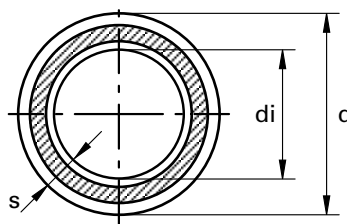
Pipe system made of polypropylene

for chilled, hot fluid and various industrial applications

article-no.	old brand name	new brand name company system	Standard Dimension Ratio	structure of pipe	special feature of pipe	material
2010208 ... 2010212	climatherm SDR11	aquatherm blue pipe	SDR 11	S		PP-R
2070708 ... 2070154	climatherm faser composite pipe SDR7.4/SDR11/SDR 17.6	aquatherm blue pipe	SDR 7.4/SDR 11/SDR 17.6	MF		PP-R
2070162 ... 2570204	climatherm faser composite pipe SDR7.4/SDR11/SDR17.6 UV	aquatherm blue pipe	SDR 7.4/SDR 11/SDR 17.6	MF	UV	PP-R
2170114 ... 2170712	climatherm faser composite pipe SDR7.4/SDR11 OT	aquatherm blue pipe	SDR 7.4/SDR 11	MF	OT	PP-R
2270111 ... 2770142	climatherm faser composite pipe SDR7.4/SDR11 ISO	aquatherm blue pipe	SDR 11/SDR 17.6	MF	TI	PP-R
2470711 ... 2470138	climatherm faser composite pipe SDR7.4/SDR11 OT ISO	aquatherm blue pipe	SDR SDR 11	MF	OT-TI	PP-R

aquatherm blue pipe SDR 7.4 / 11 / 17.6 MF

Structure of pipe:	MF = multilayer, with fibre reinforced
Material:	fusiolen PP-R
Pipe series:	SDR 7.4 / S 3.2 & SDR11 / S 5 & SDR 17.6 / S 8.3
Standards:	SKZ HR 3.28, ASTM F 2389, CSA B 137.11, ISO 21003
Colour:	blue with 4 wider green stripes
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:	



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/pc
7.4	Socket welding								
	2070708	20	2,8	14,4	0,163	0,159	15	100	
	2070710	25	3,5	18,0	0,254	0,244	20	100	
	2070712	32	4,4	23,2	0,423	0,275	25	40	
11	2070112	32	2,9	26,2	0,539	0,285	25	40	
	2070114	40	3,7	32,6	0,834	0,435	32	40	
	2070116	50	4,6	40,8	1,307	0,675	40	20	
	2070118	63	5,8	51,4	2,074	1,065	50	20	
	2070120	75	6,8	61,4	2,959	1,482	65	20	
	2070122	90	8,2	73,6	4,252	2,145	80	12	
	2070124	110	10,0	90,0	6,359	3,175	-	8	
	2070126	125	11,4	102,2	8,199	4,118	100	4	
	Butt welding								
	2070130	160	14,6	130,8	13,430	6,728	125	5,8	
	2070134	200	18,2	163,6	21,010	10,480	150	5,8	
	2070138	250	22,7	204,6	32,861	16,300	200	5,8	
	2070142	315	28,6	257,8	52,172	25,700	250	5,8	
	2070144	355	32,2	290,6	66,29	33,034	300	5,8	
	2070146	400	36,3	327,6	84,290	41,400	300	5,8	
	2070148	450	40,9	368,2	106,477	52,400	400	5,8	
17.6	Socket welding								
	2570126	125	7,1	110,8	9,637	2,850	100	4	
	Butt welding								
	2570130	160	9,1	141,8	15,792	4,360	150	5,8	
	2570134	200	11,4	177,2	24,661	6,800	200	5,8	
	2570138	250	14,2	221,6	38,568	10,570	250	5,8	
	2570142	315	17,9	279,2	61,223	16,740	300	5,8	
	2570144	355	20,1	314,8	77,832	21,210	350	5,8	
	2570146	400	22,7	354,6	98,756	26,930	350	5,8	
	2570148	450	25,5	399,0	125,036	34,020	400	5,8	
	2570150	500	28,4	443,2	154,272	42,070	450	5,8	
	2570152	560	31,7	496,6	193,688	52,550	500	5,8	
	2570154	630	35,7	558,6	245,070	66,540	500	5,8	

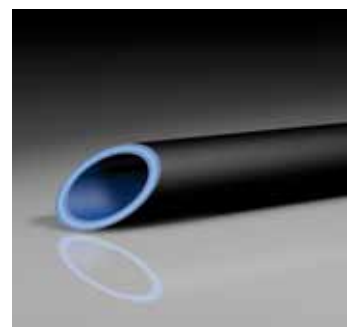
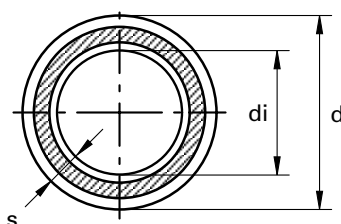
aquatherm green pipe

aquatherm blue pipe

aquatherm lilac pipe

aquatherm blue pipe SDR 7.4 / 11 / 17.6 MF UV

Structure of pipe:	MF = multilayer, with fibre reinforced
Special feature of pipe:	UV resistant
Material:	fusiolen PP-R
Pipe series:	SDR 7.4 / S 3.2 & SDR11/SDR 17.6 / S 8.3
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 160-250 mm straight lengths 5.8 m
Packing Unit:	PU in meter
Application:	

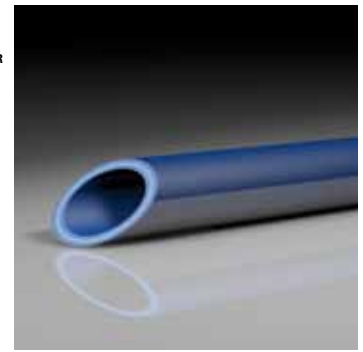
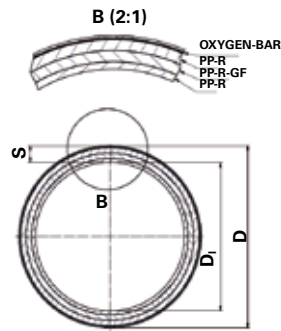


UV-resistant. Mechanically stabilized by a fibre mixture, integrated in the middle layer of fusiolen PP-R.

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
7.4	Socket welding								
	2070758	20	2,8	14,4	0,163	0,209	15	100	
	2070760	25	3,5	18,0	0,254	0,313	20	100	
11	2070762	32	4,4	23,2	0,423	0,345	20	40	
	2070162	32	2,9	26,2	0,539	0,375	25	40	
	2070164	40	3,7	32,6	0,834	0,554	32	40	
	2070166	50	4,6	40,8	1,307	0,825	40	20	
	2070168	63	5,8	51,4	2,074	1,257	50	20	
	2070170	75	6,8	61,4	2,959	1,707	65	20	
	2070172	90	8,2	73,6	4,252	2,483	80	12	
	2070174	110	10,0	90,0	6,359	3,688		8	
	2070176	125	11,4	102,2	8,199	4,673	100	4	
	Butt welding								
	2070180	160	14,6	130,8	13,430	7,512	125	5,8	
	2070184	200	18,2	163,6	21,010	11,411	150	5,8	
	2070188	250	22,7	204,6	32,861	17,754	200	5,8	
	2070192	315	28,6	257,8	52,172	26,951	250	5,8	
	2070194	355	32,2	290,6	66,292	33,673	300	5,8	
	2070196	400	36,3	327,4	84,145	42,565	300	5,8	
	2070198	450	40,9	368,2	106,423	53,708	400	5,8	
17.6	2570180	160	9,1	141,8	15,784	4,886	150	5,8	
	2570184	200	11,4	177,2	24,649	7,578	200	5,8	
	2570188	250	14,2	221,6	38,549	11,436	250	5,8	
	2570192	315	17,9	279,2	61,193	17,856	300	5,8	
	2570194	355	20,1	314,8	77,793	22,495	350	5,8	
	2570196	400	22,7	354,6	98,707	28,413	350	5,8	
	2570198	450	25,5	399	124,973	35,730	400	5,8	
	2570200	500	28,4	443,2	154,195	44,016	450	5,8	
	2570202	560	31,7	496,6	193,590	54,790	500	5,8	
	2570204	630	35,7	558,6	244,947	69,137	500	5,8	

aquatherm blue pipe SDR 7.4 / 11 MF OT

Structure of pipe:	MF = multilayer, with fibre reinforced
Special feature of pipe:	OT = oxygen tight
Material:	fusiolen PP-R
Pipe series:	SDR 7.4 / S 3.2 & SDR11 / S 5
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:	



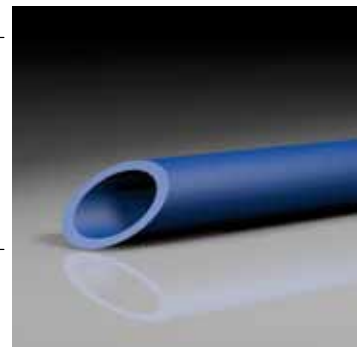
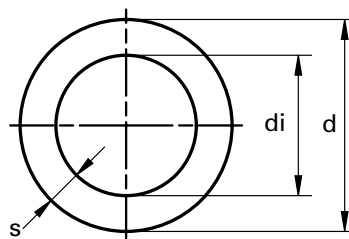
Oxygen tight by diffusion barrier.

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

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
<i>Socket welding</i>									
7.4	2170708	20	2,8	14,4	0,163	0,199	15	100	
	2170710	25	3,5	18,0	0,254	0,299	20	100	
	2170712	32	4,4	23,2	0,423	0,466	20	40	
11	2170114	40	3,7	32,6	0,834	0,530	32	40	
	2170116	50	4,6	40,8	1,307	0,794	40	20	
	2170118	63	5,8	51,4	2,074	1,218	50	20	
	2170120	75	6,8	61,4	2,959	1,649	65	20	
	2170122	90	8,2	73,6	4,252	2,379	80	12	
	2170124	110	10	90,0	6,359	3,550		8	
	2170126	125	11,4	102,2	8,199	4,576	100	4	
	<i>Butt welding</i>								
	2170130	160	14,6	130,8	13,430	7,284	125	5,8	
	2170134	200	18,2	163,6	21,010	11,000	150	5,8	
	2170138	250	22,7	204,6	32,861	16,700	200	5,8	

aquatherm blue pipe - SDR 11 S

Structure of pipe:	S (single)
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, also* 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	16,2	0,206	0,110	15	100	
	2010210	25	2,3	20,4	0,327	0,167	20	100	
	2010212	32	2,9	26,2	0,539	0,265	25	40	
	2010308*	20	1,9	16,2	0,206	0,107	15	100	
	2010310*	25	2,3	20,4	0,327	0,164	20	100	
	2010312*	32	2,9	26,2	0,539	0,257	25	50	

lilac was developed exclusively for the field of water recycling and is officially called **aquatherm lilac pipe**. In countries that are highly committed to the environment, like Australia and California, it is already standard to reduce daily water consumption by using recycled water when possible. Now lilac is also regarded in other countries as a standard colour for reclaimed water pipes, giving us both the colour and name for our reclaimed water service lines.

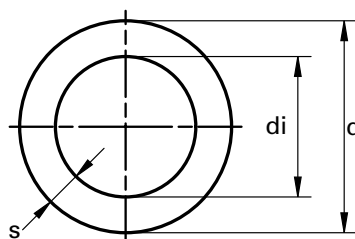
aquatherm lilac pipe

Pipe system made of polypropylene
for reclaimed

article-no.	old brand name	new brand name		Standard Dimension Ratio	structure of pipe	material
		company	system			
9010808 ... 9010226	aquatherm lilac	aquatherm	lilac pipe	SDR 7.4/ SDR 11	S	PP-R

aquatherm lilac pipe SDR 7.4 / 11 S

Structure of pipe: S (single)
Material: fusiole PP-R
Pipe series: SDR 7.4 / S3.5 & SDR 11 / S 5
Standards: DIN 8077/78, DIN EN ISO 15874, ASTM F 2389, CSA B 137.11, NSF 14
Colour: lilac
Form supplied: 4 m straight lengths
Packing Unit: PU in meter
Application:

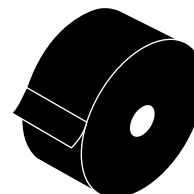


SDR	Art.-No.	Dimension d [mm]	Wall thickness s [mm]	Internal diameter di [mm]	Water content [l/m]	Weight [kg]	DN	PU [m]	Price € m/pc
7.4	9010808	20	2,8	14,4	0,163	0,152	15	100	
	9010810	25	3,5	18,0	0,254	0,226	20	100	
11	9010212	32	2,9	26,2	0,539	0,265	25	40	
	9010214	40	3,7	32,6	0,834	0,415	32	40	
	9010216	50	4,6	40,8	1,307	0,645	40	20	
	9010218	63	5,8	51,4	2,074	1,015	50	20	
	9010220	75	6,8	61,4	2,959	1,415	65	20	
	9010222	90	8,2	73,6	4,252	2,200	80	12	
	9010224	110	10,0	90,0	6,359	3,136	-	8	
	9010226	125	11,4	102,2	8,199	3,927	100	4	

ADHESIVE TAPE TO PROTECT AGAINST UV-RADIATION

for aquatherm MF UV pipes

Art.-No.	Dimension	PU	Price € m/pc
10871	Width: 50 mm Length: 10 m	10m/pkg	

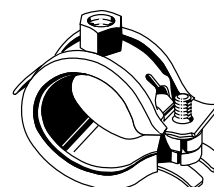


PIPE CLAMPS

suitable for sliding and fixed point installation

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

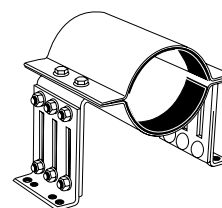
Art.-No.	for pipe dimension	PU	Box unit	Price € m/pc
60516	16 mm	50		
60520	20 mm	50		
60525	25 mm	50		
60532	32 mm	50		
60540	40 mm	50		
60550	50 mm	50		
60563	63 mm	25		
60575	75 mm	25		
60590	90 mm	25		
60594	110 mm	25		
60595	125 mm	25		
60597	160 mm	25		
60650	200 mm	1		
60654	250 mm	1		
60658	315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



PIPE CLAMPS

suitable for fixed point installation

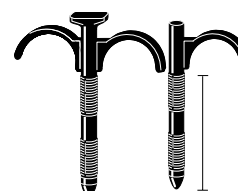
Art.-No.	for pipe dimension	PU	Box unit	Price € m/pc
60768	160 mm	1		
60770	200 mm	1		
60774	250 mm	1		
60778	315 mm	1		
60780	355 mm	1		
60782	400 mm	1		
60784	450 mm	1		
60786	500 mm	1		
60788	560 mm	1		
60790	630 mm	1		



PIPE FASTENING BOW

suitable for ø 16-32 mm pipes

Art.-No.	for pipe dimension	PU	Box unit	Price € m/pc
60604	onefold - length = 45 mm	50		
60606	onefold - length = 75 mm	50		
60608	double - length = 45 mm	50		
60610	double - length = 75 mm	50		



aquatherm green pipe

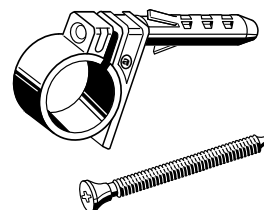
aquatherm blue pipe

aquatherm lilac pipe

PLASTIC PIPE CLAMPS

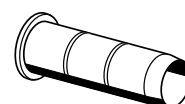
suitable for $\varnothing$ 16-40 mm pipes

Art.-No.	for pipe dimension	PU	Box unit	Price € m/pc
60616	16 mm	50		
60620	20 mm	50		
60625	25 mm	30		
60632	32 mm	30		
60640	40 mm	30		



PIPE SUPPORT

Art.-No.	for pipe dimension	PU	Box unit	Price € m/pc
85110	$\varnothing$ 16 x 2,2 mm - $\varnothing$ 11,4 mm	10		
10186	$\varnothing$ 16 x 2,7 mm - $\varnothing$ 10,4 mm	10		



SOCKET

Systems:

aquatherm green pipe,
aquatherm blue pipe, aquatherm lilac pipe

Material:

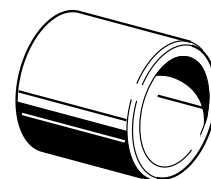
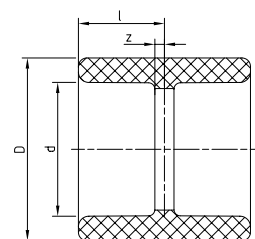
Fusiolen® PP-R

Standard:

DIN 16962, DIN EN ISO 15874

Colour:

green



SDR	Art.-No.	Dimension d [mm]	l	z	D	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11 17.6	11006	16	15,00	2,00	24,50	0,008	•	10	2000	
	11008	20	16,00	1,50	29,50	0,011	• • •	10	1500	
	11010	25	17,50	1,50	34,00	0,013	• • •	10	1000	
	11012	32	20,25	2,25	43,00	0,026	• • •	5	600	
	11014	40	23,75	3,25	52,00	0,044	• • •	5	400	
	11016	50	26,50	3,00	68,00	0,084	• • •	5	200	
	11018	63	30,25	2,75	84,00	0,139	• • •	1	100	
	11020	75	33,25	3,25	100,00	0,226	• • •	1	70	
	11022	90	36,25	3,25	120,00	0,343	• • •	1	50	
	11024	110	41,00	4,00	147,00	0,581	• • •	1	30	
	11026	125	45,00	5,00	167,00	0,845	• • •	1	25	

REDUCING SOCKET FEMALE/FEMALE

Systems:

aquatherm green pipe,
aquatherm blue pipe, aquatherm lilac pipe

Material:

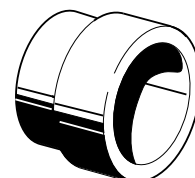
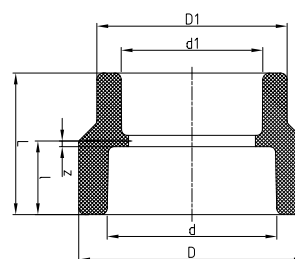
Fusiolen® PP-R

Standard:

DIN 16962, DIN EN ISO 15874

Colour:

green



SDR	Art.-No.	Dimension d [mm]	Dimension d1 [mm]	L	l	z	D	D1	Weight [kg]	System	PU	Box unit	Price € m/pc
<i>double-sided socket welding</i>													
6 7.4 9 11 17.6	11222	40	32	44,00	24,00	3,50	52,00	43,00	0,035	• • •	1	40	
	11228	50	32	47,00	26,50	3,00	68,00	43,00	0,066	• • •	1	25	
	11230	50	40	50,50	26,50	3,00	68,00	52,00	0,069	• • •	1	100	
	11236	63	40	54,00	30,50	3,00	84,00	52,00	0,115	• • •	1	100	
	11238	63	50	56,00	30,00	2,50	84,00	68,00	0,120	• • •	1	100	
	11240	75	50	60,00	33,50	3,50	100,00	68,00	0,178	• • •	1	80	
	11242	75	63	62,50	32,50	2,50	100,00	84,00	0,185	• • •	1	80	
	11252	90	63	66,50	36,50	3,50	120,00	84,00	0,276	• • •	1	30	
	11253	90	75	69,00	36,00	3,00	120,00	100,00	0,297	• • •	1	50	
	11257	110	75	74,50	41,00	4,00	147,00	100,00	0,516	• • •	1	45	
	11259	110	90	77,50	41,00	4,00	147,00	120,00	0,520	• • •	1	35	
	11263	125	90	83,00	46,00	6,00	167,00	120,00	0,749	• • •	1	25	
	11265	125	110	87,00	46,00	6,00	167,00	147,00	0,726	• • •	1	20	

REDUCING SOCKET, SOCKET WELDING

Systems:

aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material:

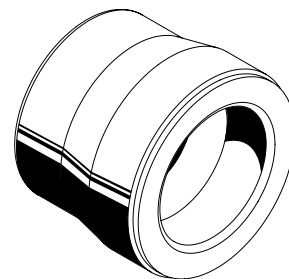
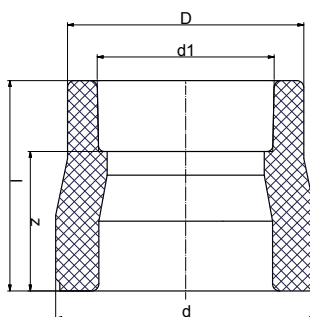
Fusiolen® PP-R

Standard:

DIN 16962, DIN EN ISO 15874

Colour:

green



SDR	Art.-No.	Dimension d [mm]	Dimension d1 [mm]	l	z	D	Weight [kg]	System	PU	Box unit	Price € m/pc
double-sided socket welding											
6 7.4 9 11 17.6	11109	20	16	39,00	26,00	24,50	0,009	•	10	2000	
	11110	25	16	38,00	25,00	26,00	0,012	•	10	2000	
	11112	25	20	38,50	24,00	29,50	0,012	• • •	10	1500	
	11114	32	20	37,50	23,00	29,50	0,015	• • •	5	1000	
	11116	32	25	38,00	22,00	34,00	0,016	• • •	5	1000	
	11118	40	20	45,00	30,50	29,50	0,025	• • •	5	750	
	11120	40	25	50,00	34,00	34,00	0,028	• • •	5	600	
	11122	40	32	50,00	32,00	43,00	0,032	• • •	5	500	
	11124	50	20	55,00	40,50	29,50	0,045	• • •	5	500	
	11126	50	25	55,00	39,00	34,00	0,044	• • •	5	500	
	11128	50	32	54,00	36,00	43,00	0,048	• • •	5	350	
	11130	50	40	52,50	32,00	52,00	0,053	• • •	5	300	
	11131	63	20	65,00	50,50	29,50	0,073	• • •	1	200	
	11132	63	25	65,00	49,00	34,00	0,071	• • •	1	200	
	11134	63	32	62,00	44,00	43,00	0,080	• • •	1	200	
	11136	63	40	65,00	44,50	52,00	0,089	• • •	1	200	
	11138	63	50	63,50	40,00	68,00	0,107	• • •	1	150	
	11139	75	40	69,50	49,00	52,00	0,131	• • •	1	150	
	11140	75	50	63,00	39,50	68,00	0,141	• • •	1	100	
	11142	75	63	71,00	43,50	84,00	0,170	• • •	1	100	
	11143	75	20	65,50	51,00	34,50	0,113	• • •	1	200	
	11144	75	25	65,50	49,50	34,50	0,111	• • •	1	200	
	11145	75	32	69,50	51,50	52,00	0,140	• • •	1	150	
	11151	90	50	75,00	51,50	68,00	0,193	• • •	1	100	
	11152	90	63	78,00	50,50	84,00	0,224	• • •	1	75	
	11153	90	75	81,50	51,50	100,00	0,273	• • •	1	60	
	11155	110	63	86,00	58,50	84,00	0,356	• • •	1	50	
	11157	110	75	89,00	59,00	100,00	0,383	• • •	1	50	
	11159	110	90	99,00	66,00	120,00	0,500	• • •	1	40	
	11161	125	75	101,00	71,00	100,00	0,518	• • •	1	35	
	11163	125	90	99,00	66,00	120,00	0,588	• • •	1	35	
	11165	125	110	112,00	75,00	147,00	0,832	• • •	1	25	

aquatherm green pipe

aquatherm blue pipe

aquatherm lilac pipe

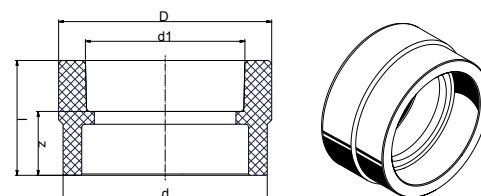
REDUCING SOCKET, SOCKET & BUTT WELDING

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: Fusiolen® PP-R & PP-RP

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	Dimension d [mm]	Dimension d1 [mm]	l	z	D	Weight [kg]	System	PU	Box unit	Price € m/pc
<i>onesided socket welding, other side butt welding</i>											
7.4	11174	160	110	87,00	50,00	147,00	0,730	• •	1	25	
	11176	160	125	90,00	50,00	167,00	0,837	• •	1	20	
	11182	200	125	135,00	95,00	167,00	1,644	• •	1	25	
9	311174	160	110	87,00	50,00	147,00	0,730	•	1		
	311176	160	125	90,00	50,00	167,00	0,868	•	1		
	311182	200	125	135,00	95,00	167,00	1,599	•	1		
11	11175	160	110	90,00	53,00	147,00	0,655	• •	1	25	
	11177	160	125	90,00	50,00	167,00	0,636	• •	1	20	
	11183	200	125	135,00	95,00	167,00	1,341	• •	1		
17.6	2511174	160	110	90,00	53,00	147,00	0,618	•	1	25	
	2511176	160	125	90,00	50,00	167,00	0,628	•	1	25	
	2511182	200	125	135,00	95,00	167,00	1,055	•	1		

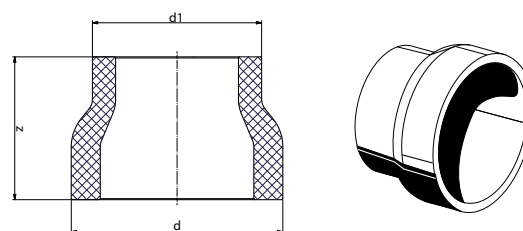
REDUCING SOCKET, BUTT WELDING

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: Fusiolen® PP-R & PP-RP

Standard: DIN 16962, DIN EN ISO 15874

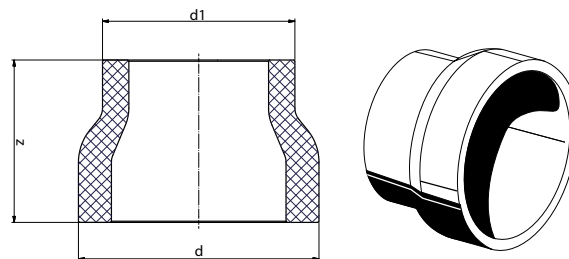
Colour: green



SDR	Art.-No.	Dimension d [mm]	Dimension d1 [mm]	z	Weight [kg]	System	PU	Box unit	Price € m/pc
<i>double-sided butt welding</i>									
7.4	11184	200	160	135,00	1,638	•	1	12	
	11188	250	160	172,50	2,881	•	1		
	11190	250	200	172,50	3,250	•	1	5	
9	311184	200	160	135,00	1,588	•	1		
	311188	250	160	172,50	2,900	•	1		
	311190	250	200	172,50	3,206	•	1		
	311192	315	200	225,00	6,350	•	1		
	311194	315	250	225,00	7,050	•	1		
	311196	355	250	170,00	5,640	•	1		
	311198	355	315	160,00	4,940	•	1		
11	11185	200	160	135,00	1,206	• •	1	12	
	11189	250	160	172,50	2,313	• •	1	5	
	11191	250	200	172,50	2,389	• •	1	5	
	11193	315	200	225,00	4,389	• •	1		
	11195	315	250	233,00	4,786	• •	1	1	
	11197	355	250	245,00	4,431	• •	1		
	11199	355	315	160,00	4,532	• •	1	3	
	11201	400	250	260,00	7,475	• •	1		
	11203	400	315	260,00	6,095	• •	1		
	11204	400	355	260,00	5,520	• •	1		
	11206	450	315	230,00	9,200	• •	1		
	11207	450	355	230,00	7,590	• •	1		
	11208	450	400	230,00	7,590	• •	1		

REDUCING SOCKET, BUTT WELDING

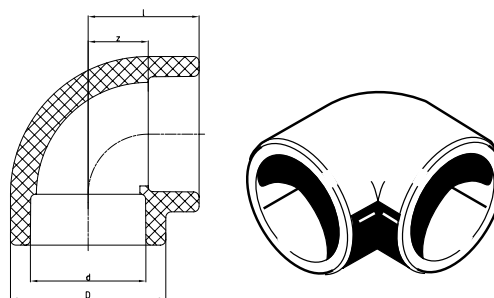
Systems: aquatherm blue pipe
Material: Fusiolen® PP-R
Standard: DIN 16962, DIN EN ISO 15874
Colour: green



SDR	Art.-No.	Dimension d [mm]	Dimension d1 [mm]	z	Weight [kg]	System	PU	Box unit	Price € m/pc
<i>double-sided butt welding</i>									
17.6	2511184	200	160	135,00	1,012	•	1		
	2511188	250	160	172,50	1,500	•	1		
	2511190	250	200	172,50	1,338	•	1		
	2511193	315	200	225,00	4,141	•	1		
	2511195	315	250	225,00	3,420	•	1		
	2511197	355	250	245,00	3,099	•	1		
	2511199	355	315	160,00	3,108	•	1		
	2511201	400	250	260,00	4,482	•	1		
	2511203	400	315	260,00	3,366	•	1		
	2511204	400	355	260,00	3,049	•	1		
	2511206	450	315	230,00	4,891	•	1		
	2511207	450	355	230,00	4,688	•	1		
	2511208	450	400	230,00	4,287	•	1		
	2511209	500	315	230,00	8,100	•	1		
	2511210	500	355	230,00	6,500	•	1		
	2511211	500	400	230,00	6,700	•	1		
	2511212	500	450	230,00	5,500	•	1		
	2511213	560	400	230,00	9,000	•	1		
	2511214	560	450	200,00	8,600	•	1		
	2511215	560	500	200,00	7,600	•	1		
	2511216	630	400	230,00	15,100	•	1		
	2511217	630	450	200,00	13,700	•	1		
	2511218	630	500	200,00	11,000	•	1		
	2511219	630	560	200,00	9,000	•	1		

ELBOW 90°

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



SDR	Art.-No.	Dimension d [mm]	z	I	D	Weight [kg]	System	PU	Box unit	Price € m/pc
<i>socket welding</i>										
6 7.4 9 11 17.6	12106	16	9,00	22,00	24,50	0,010	•	10	2000	
	12108	20	11,00	25,50	29,50	0,018	• • •	10	1200	
	12110	25	13,50	29,50	34,00	0,023	• • •	10	800	
	12112	32	17,00	35,00	43,00	0,043	• • •	5	400	
	12114	40	21,00	41,50	52,00	0,077	• • •	5	250	
	12116	50	26,00	49,50	68,00	0,162	• • •	5	125	
	12118	63	32,50	60,00	84,00	0,293	• • •	1	75	
	12120	75	38,50	68,50	100,00	0,445	• • •	1	40	
	12122	90	46,00	79,00	120,00	0,729	• • •	1	25	
	12124	110	56,00	93,00	147,00	1,292	• • •	1	15	
	12126	125	76,50	116,50	167,00	2,004	• • •	1	10	

ELBOW 90° BUTT WELDING

Systems:

aquatherm green pipe, aquatherm blue pipe

Material:

Fusiofen® PP-R & PP-RP

Standard:

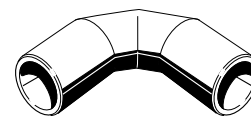
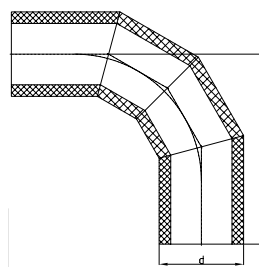
DIN 16962, DIN EN ISO 15874

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.	Dimension d [mm]	z	Weight [kg]	System	pipe segments	NEW injection molded* (green)	PU	Box unit	Price € m/pc
<i>butt welding</i>										
7.4	12130	160	145,00	2,561	•	•		1	8	
	12134	200	450,00	11,685	•	•		1	16	
	12138	250	625,00	26,000	•	•		1	7	
9	312130	160	145,00	2,371	•		•	1		
	312134	200	175,00	4,339	•		•	1		
	312138	250	220,00	8,250	•		•	1		
	312142	315	773,00	42,300	•	•		1		
	312144	355	833,00	57,628	•	•		1		
11	12131	160	145,00	2,145	•	•	•	1	8	
	12135	200	175,00	4,056	•	•	•	1	12	
	12139	250	220,00	7,331	•	•	•	1	6	
	12143	315	773,00	37,850	•	•		1	2	
	12145	355	833,00	37,400	•	•		1		
	12147 ¹⁾	400	900,00	62,800	•	•		1		
	12149 ¹⁾	450	975,00	89,500	•	•		1		
11	2012143	315	773,00	37,300		•		1		
	2012145	355	833,00	57,074		•		1		
	2012147	400	900,00	74,500		•		1		
	2012149	450	975,00	89,080		•		1		
17.6	2512130	160	145,00	1,642		•	•	1		
	2512134	200	175,00	3,118		•	•	1		
	2512138	250	220,00	5,623		•	•	1		
	2512142	315	773,00	24,000		•		1		
	2512144	355	833,00	32,000		•		1		
	2512146	400	900,00	42,549		•		1		
	2512148	450	975,00	62,200		•		1		
	2512150	500	1100,00	91,000		•		1		
	2512152	560	1190,00	108,779		•		1		
	2512154	630	1295,00	164,600		•		1		

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

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

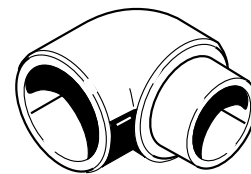
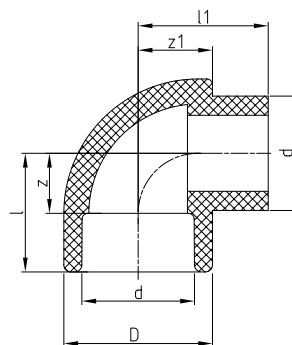
ELBOW 90° FEMALE/MALE

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	Dimension d [mm]	z	l	D	l1	z1	Weight [kg]	System	PU	Box unit	Price € m/pc
<i>socket welding</i>												
6 7.4 9 11	12306	16	9,00	22,00	24,50	21,75	12,00	0,010	•	10	2000	
	12308	20	11,00	25,50	29,50	25,50	15,00	0,017	• • •	10	1200	
	12310	25	13,50	29,50	34,00	29,50	17,00	0,023	• • •	10	800	
	12312	32	17,00	35,00	43,00	39,00	21,50	0,048	• • •	5	400	
	12314	40	21,00	41,50	52,00	45,50	26,00	0,080	• • •	5	300	

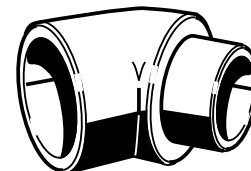
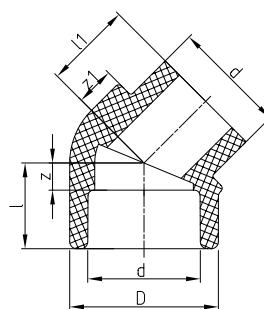
ELBOW 45° FEMALE/MALE

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	Dimension d [mm]	z	l	D	l1	z1	Weight [kg]	System	PU	Box unit	Price € m/pc
<i>socket welding</i>												
6 7.4 9 11	12708	20	5,00	19,50	29,50	19,50	9,00	0,013	• • •	10	1500	
	12710	25	6,00	22,00	34,00	22,00	8,50	0,017	• • •	10	1000	
	12712	32	7,50	25,50	43,00	28,50	11,50	0,036	• • •	5	500	
	12714	40	9,50	30,00	52,00	30,50	13,50	0,057	• • •	5	300	

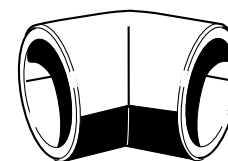
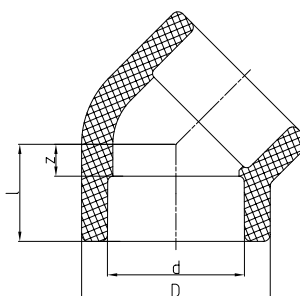
ELBOW 45° SOCKET WELDING

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	Dimension d [mm]	z	l	D	Weight [kg]	System	PU	Box unit	Price € m/pc
<i>socket welding</i>										
6 7.4 9 11 17.6	12506	16	4,50	17,50	24,50	0,009	•	10	2000	
	12508	20	5,00	19,50	29,50	0,014	• • •	10	1500	
	12510	25	6,00	22,00	34,00	0,018	• • •	10	1000	
	12512	32	7,50	25,50	43,00	0,035	• • •	5	500	
	12514	40	9,50	30,00	52,00	0,053	• • •	5	300	
	12516	50	11,50	35,00	68,00	0,112	• • •	5	150	
	12518	63	14,00	41,50	84,00	0,227	• • •	1	75	
	12520	75	16,50	46,50	100,00	0,350	• • •	1	60	
	12522	90	19,50	52,50	120,00	0,568	• • •	1	30	
	12524	110	23,50	60,50	147,00	1,025	• • •	1	20	
	12526	125	27,00	67,00	167,00	1,329	• • •	1	15	

ELBOW 45° BUTT WELDING

Systems: aquatherm green pipe, aquatherm blue pipe

Material: Fusiolen® PP-R & PP-RP

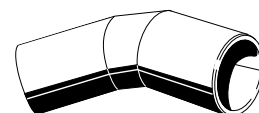
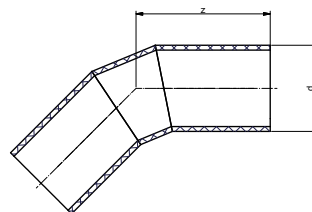
Standard: DIN 16962, DIN EN ISO 15874

Notice

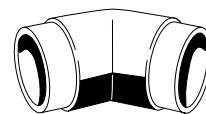
There is a gradual conversion of the XXL-fittings made of pipe segments to an injection molded design. The table shows which articles are already available in new design at the time of printing this catalogue. In the aquatherm technews we will inform you of further changes, but first the current stock 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.	Dimension d [mm]	z	Weight [kg]	System	pipe segments	injection molded*	PU	Box unit	Price € m/pc
<i>butt welding</i>										
7.4	12530	160	95,00	1,903	•	•		1		
	12534	200	274,00	8,175	•	•		1		
	12538	250	412,00	20,500	•	•		1		
9	312530	160	250,00	3,994	•	•		1		
	312534	200	274,00	6,745	•	•		1		
	312538	250	412,00	15,928	•	•		1		
	312542	315	517,00	30,567	•	•		1		
	312544	355	520,00	40,771	•	•		1		
11	12531	160	95,00	1,393	•	•		1		
	12535	200	274,00	5,735	•	•		1		
	12539	250	412,00	13,000	•	•		1		
	12543	315	517,00	27,300	•	•		1		
	12545	355	520,00	26,650	•	•		1		
	12547 ¹⁾	400	548,00	44,900	•	•		1		
	12549 ¹⁾	450	580,00	60,500	•	•		1		
¹⁾ mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-R										
11	2012535	200	274,00	6,285	•	•		1		
	2012539	250	412,00	14,181	•	•		1		
	2012543	315	517,00	27,100	•	•		1		
	2012545	355	520,00	38,158	•	•		1		
	2012547	400	548,00	44,712	•	•		1		
	2012549	450	580,00	60,260	•	•		1		
17.6	2512530	160	249,00	1,730	•	•		1		
	2512534	200	274,00	3,672	•	•		1		
	2512538	250	412,00	9,400	•	•		1		
	2512542	315	498,00	18,000	•	•		1		
	2512544	355	520,00	22,058	•	•		1		
	2512546	400	548,00	30,800	•	•		1		
	2512548	450	580,00	39,123	•	•		1		
	2512550	500	665,00	55,112	•	•		1		
	2512552	560	698,00	72,519	•	•		1		
	2512554	630	741,00	97,148	•	•		1		

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

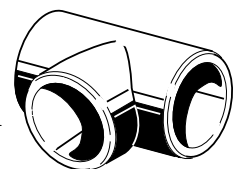
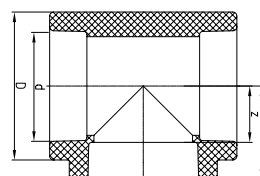
T-PIECE SOCKET WELDING

Systems: aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe

Material: Fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	Dimension d [mm]	z	I	D	Weight [kg]	System	PU	Box unit	Price € m/pc
<i>socket welding</i>										
6	13106	16	9,00	22,00	24,50	0,015	•	10	1500	
	13108	20	11,00	25,50	29,50	0,022	•	10	800	
	13110	25	15,00	31,00	34,00	0,033	•	10	500	
	13112	32	17,00	35,00	43,00	0,054	•	5	300	
7.4	13114	40	20,00	40,50	52,00	0,099	•	5	200	
9	13116	50	26,00	49,50	68,00	0,177	•	5	100	
11	13118	63	32,50	60,00	84,00	0,368	•	1	50	
17.6	13120	75	38,50	68,50	100,00	0,541	•	1	30	
	13122	90	46,00	79,00	120,00	0,920	•	1	25	
	13124	110	56,00	93,00	147,00	1,598	•	1	14	
	13126	125	76,50	116,50	167,00	2,673	•	1	8	

T-PIECE BUTT WELDING

Systems:

aquatherm green pipe,
aquatherm blue pipe

Material:

Fusiolen® PP-R & PP-RP

Standard:

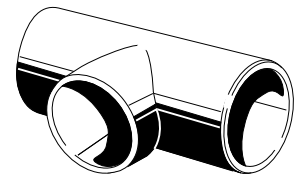
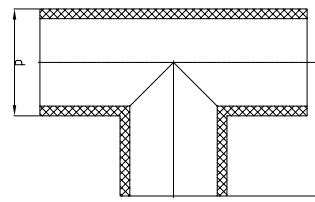
DIN 16962, DIN EN ISO 15874

Notice

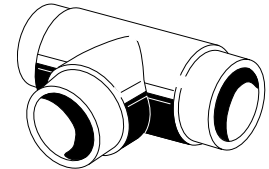
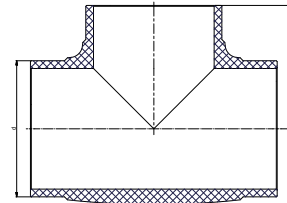
There is a gradual conversion of the XXL-fittings made of pipe segments to an injection molded design. The table shows which articles are already available in new design at the time of printing this catalogue. In the aquatherm technews we will inform you of further changes, but first the current stock 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.	Dimension d [mm]	z	Weight [kg]	System	pipe segments	NEW injection molded* (green)	PU	Box unit	Price € m/pc
<i>butt welding</i>										
7.4	13130	160	145,00	3,600	•	•		1	5	
	13134	200	250,00	9,825	•	•		1	2	
	13138	250	375,00	24,000	•	•		1	8	
NEW 9	313130	160	145,00		•		•	1		
	313134	200	250,00	9,367	•	•		1		
	313138	250	375,00	21,949	•	•		1		
	313142	315	460,00	42,609	•	•		1		
	313144	355	480,00	56,452	•	•		1		
NEW 11	13131	160	145,00	3,005	•	•	•	1	5	
	13135	200	250,00	6,865	•	•		1	2	
	13139	250	375,00	16,000	•	•		1	8	
	13143	315	460,00	20,450	•	•		1		
	13145	355	480,00	45,072	•	•		1		
	13147¹⁾	400	500,00	63,100	•	•		1		
	13149¹⁾	450	525,00	83,300	•	•		1		
<i>1) mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-R</i>										
11	2013135	200	250,00	8,171	•	•		1		
	2013139	250	375,00	18,827	•	•		1		
	2013143	315	460,00	36,674	•	•		1		
	2013145	355	480,00	40,000	•	•		1		
	2013147	400	500,00	62,100	•	•		1		
	2013149	450	525,00	82,792	•	•		1		
NEW 17.6	2513130	160	145,00	2,348	•		•	1		
	2513134	200	250,00	4,660	•	•		1		
	2513138	250	375,00	11,500	•	•		1		
	2513142	315	460,00	19,800	•	•		1		
	2513144	355	480,00	27,500	•	•		1		
	2513146	400	500,00	40,395	•	•		1		
	2513148	450	525,00	45,400	•	•		1		
	2513150	500	600,00	75,726	•	•		1		
	2513152	560	630,00	99,320	•	•		1		
	2513154	630	665,00	122,500	•	•		1		

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

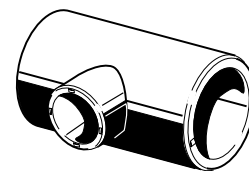
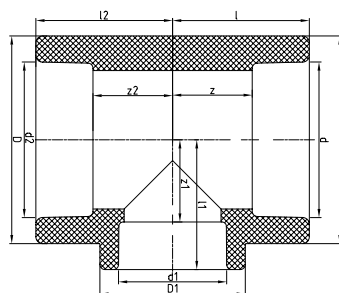
RED.- T-PIECE, SOCKET WELDING

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	d	d1	d2	l	l1	l2	z	z1	z2	D	D1	Weight [kg]	System	PU	Box unit	Price € m/pc
socket welding																	
6	13506	20	16	16	25,50	25,50	25,50	11,00	12,00	12,50	29,50	29,50	0,025	•	10	1000	
	13508	20	16	20	25,50	25,50	25,50	11,00	12,00	11,00	29,50	29,50	0,024	•	10	1000	
	13510	20	20	16	25,50	25,50	25,50	11,00	11,00	12,50	29,50	29,50	0,023	•	10	1000	
	13511	20	25	20	31,00	30,50	31,00	16,50	14,50	16,50	34,00	34,00	0,040	• • •	10	500	
	13512	25	16	16	31,00	30,50	31,00	15,00	17,50	18,00	34,00	34,00	0,043	•	10	500	
	13514	25	16	20	31,00	30,50	31,00	15,00	17,50	16,50	34,00	34,00	0,041	•	10	500	
	13516	25	16	25	31,00	30,50	31,00	15,00	17,50	15,00	34,00	34,00	0,038	•	10	500	
	13520	25	20	20	31,00	30,50	31,00	15,00	16,00	16,50	34,00	34,00	0,039	• • •	10	500	
	13522	25	20	25	31,00	30,50	31,00	15,00	16,00	15,00	34,00	34,00	0,036	• • •	10	500	
	13528	32	16	32	35,00	31,00	35,00	17,00	18,00	17,00	43,00	29,50	0,053	• • •	5	300	
	13532	32	20	20	36,50	37,00	36,50	18,75	22,50	22,25	43,00	43,00	0,076	• • •	5	300	
	13534	32	20	32	35,00	31,00	35,00	17,00	16,50	17,00	43,00	29,50	0,053	• • •	5	300	
	13538	32	25	25	35,00	34,50	35,00	17,00	18,50	15,00	43,00	43,00	0,069	• • •	5		
	13540	32	25	32	35,00	34,50	35,00	17,00	18,50	17,00	43,00	43,00	0,050	• • •	5	300	
	13542	40	20	40	41,50	36,00	41,50	21,00	21,50	21,00	52,00	34,00	0,091	• • •	5	200	
	13544	40	25	40	41,50	36,00	41,50	21,00	20,00	21,00	52,00	34,00	0,089	• • •	5	200	
	13546	40	32	40	42,00	40,50	42,00	21,50	22,50	21,50	52,00	52,00	0,092	• • •	5	200	
	13547	50	20	50	49,50	40,50	49,50	26,00	26,00	26,00	68,00	29,50	0,162	• • •	5	100	
	13548	50	25	50	49,50	44,50	49,50	26,00	28,50	26,00	68,00	43,00	0,157	• • •	5	100	
	13550	50	32	50	49,50	44,50	49,50	26,00	26,50	26,00	68,00	43,00	0,160	• • •	5	100	
	13551	50	40	50	49,50	49,50	49,50	26,00	29,00	26,00	68,00	68,00	0,161	• • •	5	100	
	13552	63	20	63	60,00	48,50	60,00	32,50	34,00	32,50	84,00	34,00	0,335	• • •	1	50	
	13554	63	25	63	60,00	48,50	60,00	32,50	32,50	32,50	84,00	34,00	0,331	• • •	1	50	
	13556	63	32	63	60,00	53,50	60,00	32,50	35,50	32,50	84,00	52,00	0,340	• • •	1	50	
	13558	63	40	63	60,00	53,50	60,00	32,50	33,00	32,50	84,00	52,00	0,332	• • •	1	50	
	13560	63	50	63	60,00	60,00	60,00	32,50	36,50	32,50	84,00	84,00	0,398	• • •	1	50	
	13561	75	20	75	68,50	54,50	68,50	38,50	40,00	38,50	100,00	34,00	0,501	• • •	1	35	
	13562	75	25	75	68,50	54,50	68,50	38,50	38,50	38,50	100,00	34,00	0,497	• • •	1	35	
	13564	75	32	75	68,50	59,00	68,50	38,50	41,00	38,50	100,00	52,00	0,505	• • •	1	35	
	13566	75	40	75	68,50	59,00	68,50	38,50	38,50	38,50	100,00	52,00	0,497	• • •	1	35	
	13568	75	50	75	68,50	66,00	68,50	38,50	42,50	38,50	100,00	84,00	0,550	• • •	1	35	
	13570	75	63	75	68,50	66,00	68,50	38,50	38,50	38,50	100,00	84,00	0,515	• • •	1	35	
	13576	90	32	90	79,00	65,00	79,00	46,00	47,00	46,00	120,00	52,00	0,880	• • •	1	25	
	13578	90	40	90	79,00	65,00	79,00	46,00	44,50	46,00	120,00	52,00	0,862	• • •	1	25	
	13580	90	50	90	79,00	75,00	79,00	46,00	51,50	46,00	120,00	84,00	0,905	• • •	1	25	
	13582	90	63	90	79,00	75,00	79,00	46,00	47,50	46,00	120,00	84,00	0,876	• • •	1	25	
	13584	90	75	90	79,00	81,00	79,00	46,00	51,00	46,00	120,00	120,00	0,991	• • •	1	25	
	13586	110	63	110	93,00	87,50	93,00	56,00	60,00	56,00	147,00	100,00	1,562	• • •	1	15	
	13588	110	75	110	93,00	87,50	93,00	56,00	57,50	56,00	147,00	100,00	1,511	• • •	1	15	
	13590	110	90	110	93,00	89,00	93,00	56,00	56,00	56,00	147,00	120,00	1,548	• • •	1	15	
	13592	125	75	125	116,50	106,50	116,50	76,50	76,50	76,50	167,00	100,00	2,427	• • •	1	8	
	13594	125	90	125	116,50	109,50	116,50	76,50	76,50	76,50	167,00	120,00	2,509	• • •	1	8	
	13596	125	110	125	116,50	113,50	116,50	76,50	76,50	76,50	167,00	147,00	2,563	• • •	1	8	
7.4																	
9																	
11																	
17.6																	

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

Systems: aquatherm green pipe, aquatherm blue pipe

Material: Fusiolen® PP-R & PP-RP

Standard: DIN 16962, DIN EN ISO 15874

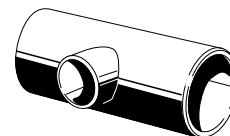
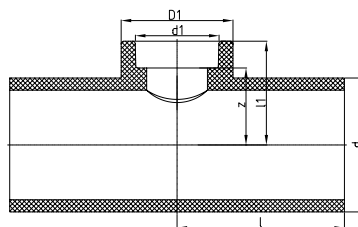
Branch: socket welding

Colour: green

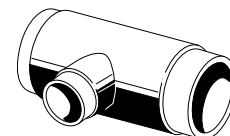
Note: There is a gradual conversion of the XXL-fittings made of pipe segments to an injection molded design. The table shows which articles are already available in new design at the time of printing this catalogue. In the aquatherm technews we will inform you of further changes, but first the current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

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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



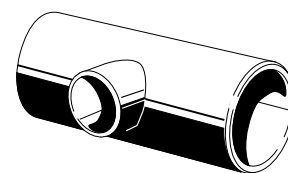
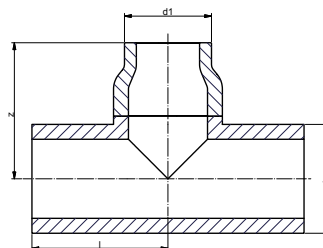
Injection molded fitting

SDR	Art.-No.	d	d1	l	l1	z	D1	Weight [kg]	System	pipe segments	injection molded*	PU	Box unit	Price € m/pc
branch: socket welding														
7.4	13600	160	75	230,00	122,00	92,00	100,00	4,414	•	•		1	4	
	13602	160	90	230,00	125,00	92,00	120,00	4,515	•	•		1	4	
	13608	200	75	250,00	142,00	112,00	100,00	7,110	•	•		1	1	
	13610	200	90	250,00	145,00	112,00	120,00	7,540	•	•		1	1	
	13612	200	110	250,00	149,00	112,00	147,00	7,325	•	•		1	1	
	13614	200	125	250,00	155,00	115,00	167,00	7,645	•	•		1	1	
	13624	250	75	375,00	167,00	137,00	100,00	16,600	•	•		1	10	
	13626	250	90	375,00	170,00	137,00	120,00	16,800	•	•		1	10	
	13628	250	110	375,00	174,00	137,00	147,00	16,800	•	•		1	10	
	13630	250	125	375,00	180,00	140,00	167,00	17,000	•	•		1	10	
9	313600	160	75	230,00	122,00	92,00	100,00	3,903	•	•		1		
	313602	160	90	230,00	125,00	92,00	120,00	4,039	•	•		1		
	313608	200	75	250,00	142,00	112,00	100,00	6,476	•	•		1		
	313610	200	90	250,00	145,00	112,00	120,00	6,581	•	•		1		
	313612	200	110	250,00	149,00	112,00	147,00	6,863	•	•		1		
	313614	200	125	250,00	155,00	115,00	167,00	7,114	•	•		1		
	313624	250	75	375,00	167,00	137,00	100,00	14,802	•	•		1		
	313626	250	90	375,00	170,00	137,00	120,00	14,932	•	•		1		
	313628	250	110	375,00	174,00	137,00		15,178		•		1		
	313630	250	125	375,00	180,00	140,00	167,00	15,398	•	•		1		
	313904	315	125	460,00	212,50	167,00		29,196	•	•		1		
	313916	355	125	480,00	232,50	192,50		38,466	•	•		1		
11	13601	160	75	230,00	122,00	92,00	100,00	3,140	•	•		1	4	
	13603	160	90	230,00	125,00	92,00	120,00	3,176	•	•		1	4	
	13609	200	75	250,00	142,00	112,00	100,00	5,284	•	•		1	1	
	13611	200	90	250,00	145,00	112,00	120,00	5,168	•	•		1	1	
	13613	200	110	250,00	149,00	112,00	147,00	5,648	•	•		1	1	
	13615	200	125	250,00	155,00	115,00	167,00	5,786	•	•		1	1	
	13625	250	75	375,00	167,00	137,00	100,00	12,000	•	•		1	10	
	13627	250	90	375,00	170,00	137,00	120,00	12,000	•	•		1	10	
	13629	250	110	375,00	174,00	137,00	147,00	13,000	•	•		1	10	
	13631	250	125	375,00	180,00	140,00	167,00	12,000	•	•		1	10	
	13651	315	125	460,00	213,00	173,00	167,00	25,150	•	•		1		
	13663	355	125	480,00	233,00	193,00	167,00	30,851	•	•		1		
	13676	400	125	500,00	255,00	215,00	167,00	42,169	•	•		1		
	13690	450	125	525,00	280,00	240,00	167,00	55,794	•	•		1		

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

RED.- T-PIECE, BUTT WELDING

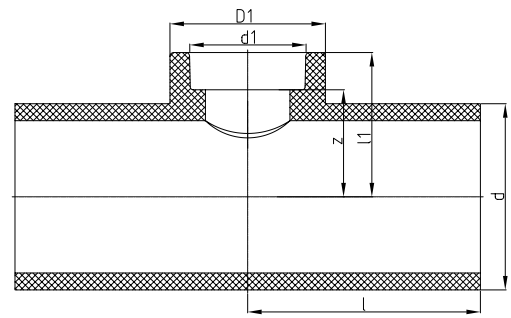
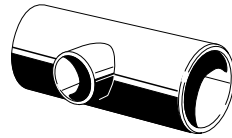
Systems: aquatherm green pipe
Material: Fusiolen® PP-R & PP-RP
Standard: DIN 16962, DIN EN ISO 15874
Branch: butt welding



SDR	Art.-No.	d	d1	l	z	Weight [kg]	System	PU	Box unit	Price € m/pc
<i>branch: butt welding</i>										
7.4	13618	200	160	300,00	300,00	10,891	•	1		
	13634	250	160	375,00	682,00	28,000	•	1	4	
	13640	250	200	375,00	375,00	27,000	•	1	4	
9	313618	200	160	300,00	300,00	9,332	•	1		
	313634	250	160	375,00	682,00	21,547	•	1	1	
	313640	250	200	375,00	548,00	21,853	•	1	1	
	313906	315	160	460,00	238,00	29,237	•	1	1	
	313908	315	200	460,00	460,00	42,166	•	1	1	
	313910	315	250	460,00	460,00	42,557	•	1	1	
	313918	355	160	480,00	258,00	38,479	•	1	1	
	313920	355	200	480,00	268,00	39,237	•	1	1	
	313922	355	250	480,00	480,00	52,683	•	1	1	
	313924	355	315	480,00	480,00	55,511	•	1	1	
11	13619	200	160	300,00	300,00	7,445	•	1		
	13635	250	160	375,00	375,00	19,500	•	1	4	
	13641	250	200	375,00	375,00	18,500	•	1	4	
	13653	315	160	460,00	238,00	24,850	•	1		
	13655	315	200	460,00	460,00	29,400	•	1		
	13657	315	250	460,00	460,00	30,250	•	1		
	13665	355	160	480,00	258,00	30,893	•	1		
	13667	355	200	480,00	268,00	31,651	•	1		
	13669	355	250	480,00	480,00	41,635	•	1		
	13671	355	315	480,00	480,00	44,721	•	1		
	13678	400	160	500,00	354,00	44,111	•	1		
	13680	400	200	500,00	318,00	44,111	•	1		
	13682	400	250	500,00	280,00	44,111	•	1		
	13684	400	315	500,00	500,00	46,162	•	1		
	13685	400	355	500,00	500,00	54,361	•	1		
	13692	450	160	525,00	379,00	57,962	•	1		
	13694	450	200	525,00	343,00	57,962	•	1		
	13696	450	250	525,00	305,00	57,962	•	1		
	13698	450	315	525,00	315,00	58,818	•	1		
	13699	450	355	525,00	525,00	78,330	•	1		
	13700	450	400	525,00	525,00	78,330	•	1		

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

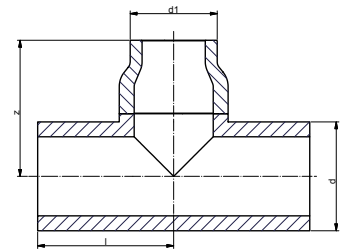
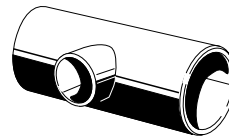
Systems: aquatherm blue pipe
Material: Fusiolen® PP-R
Standard: DIN 16962, DIN EN ISO 15874
Colour: blue/green
Branch: socket welding



SDR	Art.-No.	d	d1	l	l1	z	D	Weight [kg]	System	PU	Box unit	Price € m/pc
<i>branch: socket welding</i>												
11	2013609	200	75	250,00	142,00	112,00	100,00	5,460	•	1		
	2013611	200	90	250,00	145,00	112,00	120,00	5,580	•	1		
	2013613	200	110	250,00	149,00	112,00	147,00	5,810	•	1		
	2013615	200	125	250,00	155,00	115,00	167,00	6,100	•	1		
	2013625	250	75	375,00	167,00	137,00	100,00	12,440	•	1		
	2013627	250	90	375,00	170,00	137,00	120,00	12,420	•	1		
	2013629	250	110	375,00	174,00	137,00	147,00	12,760	•	1		
	2013631	250	125	375,00	180,00	140,00	167,00	13,030	•	1		
	2013651	315	125	460,00	213,00	173,00	167,00	25,000	•	1		
	2013663	355	125	480,00	233,00	193,00	167,00	32,500	•	1		
	2013676	400	125	500,00	255,00	215,00	167,00	42,100	•	1		
	2013690	450	125	525,00	280,00	240,00	167,00	55,700	•	1		

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

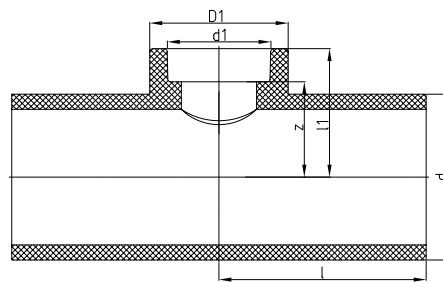
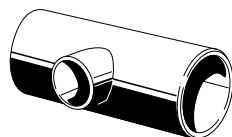
Systems: aquatherm blue pipe
Material: Fusiolen® PP-R
Standard: DIN 16962, DIN EN ISO 15874
Colour: blue/green
Branch: butt welding



SDR	Art.-No.	d	d1	l	z	Weight [kg]	System	PU	Box unit	Price € m/pc
<i>branch: butt welding</i>										
11	2013619	200	160	300,00	300,00	7,650	•	1		
	2013635	250	160	375,00	375,00	19,030	•	1		
	2013641	250	200	375,00	548,00	21,100	•	1		
	2013653	315	160	460,00	238,00	25,000	•	1		
	2013655	315	200	460,00	460,00	33,200	•	1		
	2013657	315	250	460,00	460,00	34,200	•	1		
	2013665	355	160	480,00	258,00	32,500	•	1		
	2013667	355	200	480,00	268,00	30,200	•	1		
	2013669	355	250	480,00	480,00	40,000	•	1		
	2013671	355	315	480,00	480,00	40,000	•	1		
	2013678	400	160	500,00	354,00	44,100	•	1		
	2013680	400	200	500,00	318,00	44,100	•	1		
	2013682	400	250	500,00	280,00	46,000	•	1		
	2013684	400	315	500,00	500,00	56,000	•	1		
	2013685	400	355	500,00	500,00	54,300	•	1		
	2013692	450	160	525,00	379,00	57,900	•	1		
	2013694	450	200	525,00	343,00	57,900	•	1		
	2013696	450	250	525,00	305,00	57,900	•	1		
	2013698	450	315	525,00	315,00	58,400	•	1		
	2013699	450	355	525,00	525,00	75,000	•	1		
	2013700	450	400	525,00	525,00	76,000	•	1		

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

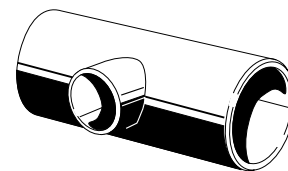
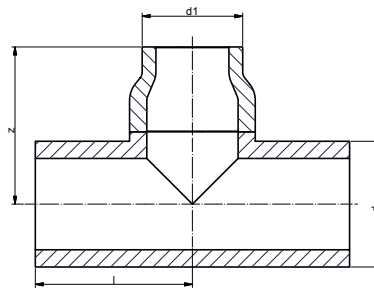
Systems: aquatherm blue pipe
Material: Fusiolen® PP-R
Standard: DIN 16962, DIN EN ISO 15874
Colour: blue
Branch: socket welding



SDR	Art.-No.	d	d1	l	l1	z	D	Weight [kg]	System	PU	Box unit	Price € m/pc
<i>branch: socket welding</i>												
17.6	2513600	160	75	230,00	122,00	92,00	100,00	2,227	•	1		
	2513602	160	90	230,00	125,00	92,00	120,00	2,364	•	1		
	2513608	200	75	250,00	142,00	112,00	100,00	3,620	•	1		
	2513610	200	90	250,00	145,00	112,00	120,00	3,742	•	1		
	2513612	200	110	250,00	149,00	112,00	147,00	3,976	•	1		
	2513614	200	125	250,00	155,00	115,00	167,00	4,269	•	1		
	2513624	250	75	375,00	167,00	137,00	100,00	8,149	•	1		
	2513626	250	90	375,00	170,00	137,00	120,00	8,274	•	1		
	2513628	250	110	375,00	174,00	137,00	147,00	8,504	•	1		
	2513630	250	125	375,00	180,00	140,00	167,00	9,000	•	1		
	2513651	315	125	460,00	213,00	173,00	167,00	17,570	•	1		
	2513663	355	125	480,00	233,00	193,00	167,00	21,500	•	1		
	2513676	400	125	500,00	255,00	215,00	167,00	27,690	•	1		
	2513690	450	125	525,00	280,00	240,00	167,00	36,470	•	1		
	2513804	500	125	600,00	305,00	265,00	167,00	51,250	•	1		
	2513821	560	125	630,00	335,00	295,00	167,00	66,900	•	1		
	2513839	630	125	665,00	370,00	330,00	167,00	89,170	•	1		

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

Systems: aquatherm blue pipe
Standard: DIN 16962, DIN EN ISO 15874
Colour: blue
Branch: butt welding



SDR	Art.-No.	d	d1	l	z	Weight [kg]	System	PU	Box unit	Price € m/pc
<i>butt welding</i>										
17.6	2513618	200	160	300,00	300,00	5,000	•	1		
	2513634	250	160	375,00	375,00	11,600	•	1		
	2513640	250	200	375,00	375,00	11,500	•	1		
	2513653	315	160	460,00	238,00	16,500	•	1		
	2513655	315	200	460,00	460,00	23,600	•	1		
	2513657	315	250	460,00	460,00	22,600	•	1		
	2513665	355	160	480,00	258,00	21,500	•	1		
	2513667	355	200	480,00	268,00	21,900	•	1		
	2513669	355	250	480,00	480,00	28,300	•	1		
	2513671	355	315	480,00	480,00	30,500	•	1		
	2513678	400	160	500,00	354,00	29,700	•	1		
	2513680	400	200	500,00	318,00	29,700	•	1		
	2513682	400	250	500,00	280,00	29,000	•	1		
	2513684	400	315	500,00	500,00	35,800	•	1		
	2513685	400	355	500,00	500,00	39,700	•	1		
	2513692	450	160	525,00	379,00	37,000	•	1		
	2513694	450	200	525,00	343,00	37,000	•	1		
	2513696	450	250	525,00	305,00	37,000	•	1		
	2513698	450	315	525,00	315,00	37,000	•	1		
	2513699	450	355	525,00	525,00	50,500	•	1		
	2513700	450	400	525,00	525,00	50,100	•	1		
	2513806	500	160	600,00	404,00	53,400	•	1		
	2513808	500	200	600,00	368,00	53,500	•	1		
	2513810	500	250	600,00	330,00	53,500	•	1		
	2513812	500	315	600,00	340,00	54,000	•	1		
	2513813	500	355	600,00	600,00	72,500	•	1		
	2513814	500	400	600,00	600,00	72,700	•	1		
	2513815	500	450	600,00	600,00	71,500	•	1		
	2513823	560	160	630,00	434,00	69,000	•	1		
	2513825	560	200	630,00	398,00	69,000	•	1		
	2513827	560	250	630,00	360,00	69,000	•	1		
	2513829	560	315	630,00	370,00	66,700	•	1		
	2513830	560	355	630,00	674,00	73,409	•	1		
	2513831	560	400	630,00	630,00	96,200	•	1		
	2513832	560	450	630,00	630,00	97,400	•	1		
	2513833	560	500	630,00	630,00	96,400	•	1		
	2513841	630	160	665,00	474,00	91,530	•	1		
	2513843	630	200	665,00	438,00	91,500	•	1		
	2513845	630	250	665,00	400,00	91,500	•	1		
	2513847	630	315	665,00	405,00	92,350	•	1		
	2513848	630	355	665,00	779,00	100,064	•	1		
	2513849	630	400	665,00	665,00	133,800	•	1		
	2513850	630	450	665,00	665,00	133,400	•	1		
	2513851	630	500	665,00	665,00	130,700	•	1		
	2513852	630	560	665,00	665,00	128,700	•	1		

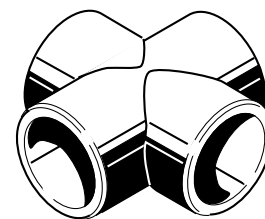
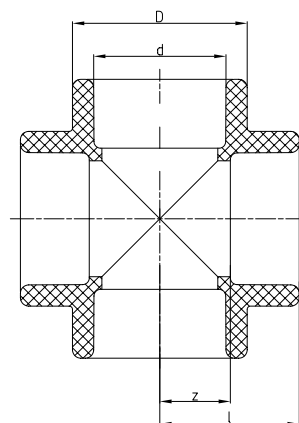
CROSS

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	Dimension d [mm]	z	l	D	Weight [kg]	System	PU	Box unit	Price € m/pc
<i>socket welding</i>										
6	13708	20	26,00	11,50	29,50	0,025	• • •	10	500	
7.4	13710	25	29,50	13,50	34,00	0,035	• • •	10	500	
9	13712	32	35,00	17,00	43,00	0,062	• • •	5	250	
11	13714	40	41,50	21,00	52,00	0,099	• • •	5	150	

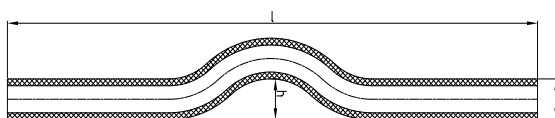
CROSS OVER FITTING

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	Dimension d [mm]	h	l	Weight [kg]	System	PU	Box unit	Price € m/pc
<i>socket welding</i>									
6	16106	16	17,00	352,00	0,038	•	10	600	
7.4	16108	20	22,00	352,00	0,060	• • •	10	400	
9	16110	25	25,00	352,00	0,091	• • •	10	250	
11	16112	32	32,00	352,00	0,154	• • •	5	120	

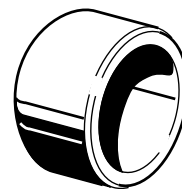
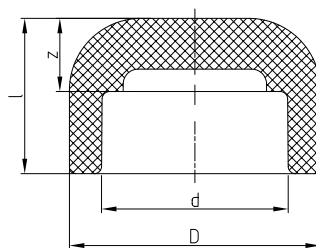
END CAP

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R & PP-RP

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	Dimension d [mm]	l	z	D	Weight [kg]	System	PU	Box unit	Price € m/pc
<i>socket welding</i>										
6 7.4 9 11	14106	16	26,50	13,50	26	0,008	•	10	2000	
	14108	20	24,00	9,50	29,5	0,009	• • •	10	2000	
	14110	25	24,00	8,00	34	0,011	• • •	10	1500	
	14112	32	31,50	13,50	43	0,023	• • •	5	1000	
	14114	40	38,00	17,50	52	0,042	• • •	5	500	
	14116	50	44,50	21,00	68	0,082	• • •	5	300	
	14118	63	52,00	24,50	84	0,146	• • •	1	150	
	14120	75	58,50	28,50	100	0,243	• • •	1	90	
	14122	90	57,50	34,50	120	0,365	• • •	1	60	
	14124	110	65,00	28,00	147	0,635	• • •	1	40	
	14126	125	70,00	30,00	167	0,872	• • •	1	30	

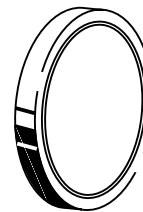
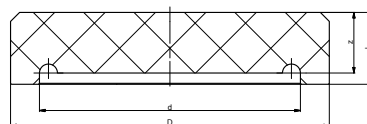
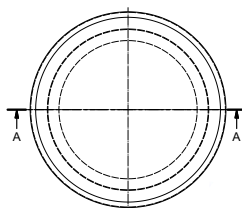
END CAP BUTT-WELDING

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R & PP-RP

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	Dimension D [mm]	l	z	d	Weight [kg]	System	PU	Box unit	Price € m/pc
7.4	14130	160	70,00			0,876	• •	1	30	
	14134	200	80,00			1,398	• •	1	24	
	14138	250	90,00			2,530	• •	1	10	
9	314130	160	70,00	21,90	124,20	0,847	•	1		
	314134	200	80,00	27,40	155,20	1,373	•	1		
	314138	250	90,00	34,20	194,20	2,856	•	1		
	314142	315	70,00	52,50	244,60	5,080	•	1		
	314144	355	80,00	66,50	275,60	7,050	•	1		
11	14131	160	70,00	14,60	130,80	0,759	• •	1	30	
	14135	200	80,00	18,20	163,60	1,070	• •	1	24	
	14139	250	90,00	22,70	204,60	1,989	• •	1	10	
	14143	315	270,00	28,70	257,80	6,200	• •	1		
	14145	355	80,00	67,50	290,60	9,500	• •	1		
	14147	400	80,00	70,00	327,40	8,500	• •	1		
	14149	450	80,00	70,00	368,20	12,200	• •	1		
17.6	2514130	160	70,00	14,60	141,80	0,679	•	1		
	2514134	200	80,00	18,20	177,20	0,925	•	1		
	2514138	250	90,00	34,20	221,60	2,109	•	1		
	2514142	315	50,00	40,00	279,20	2,961	•	1		
	2514144	355	52,00	42,00	314,80	3,930	•	1		
	2514146	400	60,00	50,00	354,60	5,821	•	1		
	2514148	450	70,00	56,00	399,00	8,520	•	1		
	2514150	500	75,00	62,00	443,20	12,500	•	1		
	2514152	560	80,00	69,50	496,60	16,000	•	1		
	2514154	630	90,00	78,00	558,60	23,500	•	1		

WELD-IN SADDLE

Systems:

aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material:

Fusiofen® PP-R

Standard:

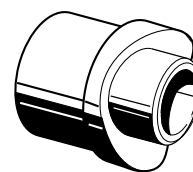
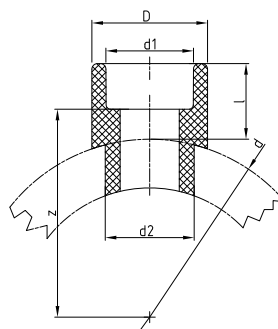
DIN 16962, DIN EN ISO 15874

Colour:

green

Notice

*do not use with aquatherm blue pipe OT



SDR	Art.-No.	d	d1	d2	l	z	D	Weight [kg]	System	PU	Box unit	Price € m/pc
<i>socket welding</i>												
6 7.4 9 11 17.6	15156*	40	20	25	27,00	32,50	29,50	0,016	• • •	5	1000	
	15158*	40	25	25	28,50	32,50	34,00	0,017	• • •	5	1000	
	15160	50	20	25	27,50	38,00	29,50	0,018	• • •	5	1000	
	15162	50	25	25	28,50	37,50	34,00	0,019	• • •	5	1000	
	15164	63	20	25	27,50	44,50	29,50	0,017	• • •	5	1000	
	15166	63	25	25	28,50	44,00	34,00	0,019	• • •	5	750	
	15168	63	32	32	30,00	43,50	43,00	0,028	• • •	5	750	
	15170	75	20	25	27,50	50,50	29,50	0,018	• • •	5	1000	
	15172	75	25	25	28,50	50,00	34,00	0,019	• • •	5	750	
	15174	75	32	32	30,00	49,50	43,00	0,028	• • •	5	750	
	15175	75	40	40	34,00	51,00	52,00	0,049	• • •	5	400	
	15176	90	20	25	27,50	58,00	29,50	0,018	• • •	5	1000	
	15178	90	25	25	28,50	57,50	34,00	0,019	• • •	5	1000	
	15180	90	32	32	30,00	57,00	43,00	0,029	• • •	5	750	
	15181	90	40	40	34,00	58,50	52,00	0,048	• • •	5	500	
	15182	110	20	25	27,50	68,00	29,50	0,019	• • •	5	1000	
	15184	110	25	25	28,50	67,50	34,00	0,020	• • •	5	1000	
	15186	110	32	32	30,00	67,00	43,00	0,030	• • •	5	750	
	15188	110	40	40	34,00	68,50	52,00	0,050	• • •	5	450	
	15189	110	50	50	34,00	65,50	68,00	0,091	• • •	5	200	
	15190	125	20	25	27,50	75,50	29,50	0,019	• • •	5	1000	
	15192	125	25	25	28,50	75,00	34,00	0,020	• • •	5	1000	
	15194	125	32	32	30,00	74,50	43,00	0,029	• • •	5	750	
	15196	125	40	40	34,00	76,00	52,00	0,050	• • •	5	450	
	15197	125	50	50	34,00	73,00	68,00	0,090	• • •	5	200	
	15198	125	63	63	38,00	73,00	84,00	0,149	• • •	5	125	
	15206	160	20	25	27,50	62,00	29,50	0,021	• • •	5	700	
	15208	160	25	25	28,50	92,50	34,00	0,023	• • •	5	700	
	15210	160	32	32	30,00	92,00	43,00	0,034	• • •	5	500	
	15212	160	40	40	34,00	93,50	52,00	0,054	• • •	5	300	
	15214	160	50	50	34,00	90,50	68,00	0,094	• • •	5	200	
	15216	160	63	63	38,00	90,50	84,00	0,157	• • •	5	120	
	15218	160	75	75	42,00	92,00	100,00	0,238	• • •	5	80	
	15220	160	90	90	45,00	92,00	120,00	0,360	• • •	5	40	
	15228	200-250	20	25	27,50	113,00	29,50	0,020	• • •	5	100	
	15229	200-250	25	25	28,50	112,50	34,00	0,021	• • •	5	100	
	15230	200-250	32	32	30,00	112,00	43,00	0,031	• • •	5	50	
	15231	200	40	40	34,00	113,50	52,00	0,049	• • •	5	200	
	15232	200	50	50	34,00	110,50	68,00	0,087	• • •	5	200	
	15233	200	63	63	37,50	110,00	84,00	0,146	• • •	5	120	
	15234	200	75	75	42,00	112,00	100,00	0,225	• • •	5	100	
	15235	200	90	90	45,00	112,00	120,00	0,356	• • •	5	5	
	15236	200	110	110	49,00	112,00	147,00	0,638	• • •	5	2	
	15237	200	125	125	55,00	115,00	167,00	0,862	• • •	5	20	
	15251	250	40	40	34,00	138,50	52,00	0,053	• • •	5	150	
	15252	250	50	50	34,00	135,50	68,00	0,090	• • •	5	100	
	15253	250	63	63	37,50	135,00	84,00	0,152	• • •	5	140	
	15254	250	75	75	42,00	137,00	100,00	0,222	• • •	5	5	
	15255	250	90	90	45,00	137,00	120,00	0,348	• • •	5	5	
	15256	250	110	110	49,00	137,00	147,00	0,602	• • •	5	20	
	15257	250	125	125	55,00	140,00	167,00	0,820	• • •	5	20	

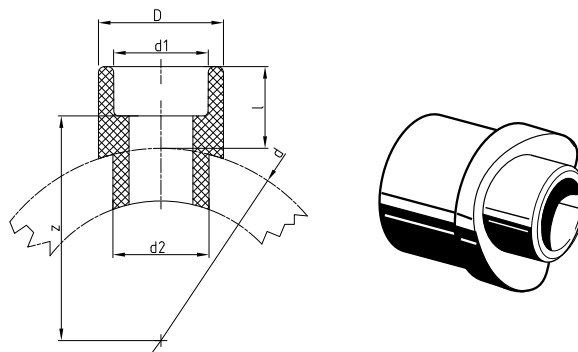
WELD-IN SADDLES

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: Fusiolen® PP-R

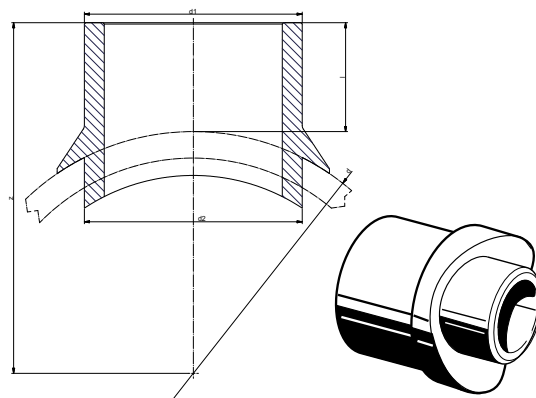
Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	d	d1	d2	l	z	D	Weight [kg]	System	PU	Box unit	Price € m/pc
<i>socket welding</i>												
6 7.4 9 11 17.6	15260	315-355	63	63	37,50	167,50	84,00	0,153	• •	1		
	15261	315-355	75	75	42,00	169,50	100,00	0,230	• •	1		
	15262	315	90	90	45,00	169,50	120,00	0,363	• •	1		
	15263	315	110	110	49,00	169,50	147,00	0,592	• •	1		
	15264	315	125	125	55,00	172,50	167,00	0,830	• •	1		
	15268	355	90	90	45,00	189,50	120,00	0,355	• •	1		
	15269	355	110	110	49,00	189,50	147,00	0,586	• •	1		
	15270	355	125	125	55,00	192,50	167,00	0,813	• •	1		
	15275	400-500	75	75	42,00	212,00	100,00	0,216	• •	1		
	15277	400-450	110	110	49,00	212,00	147,00	0,535	• •	1		
	15278	400	125	125	55,00	215,00	167,00	0,693	• •	1		
	15288	400-500	90	90	45,00	237,00	120,00	0,330	• •	1		
	15290	450-500	125	125	55,00	240,00	167,00	0,671	• •	1		
	15300	400-630	63	63	37,50	260,00	84,00	0,498	• •	1		
	15303	500-560	110	110	49,00	262,00	147,00	0,533	• •	1		
	15315	560-630	75	75	42,00	292,00	100,00	0,260	• •	1		
	15316	560-630	90	90	45,00	292,00	120,00	0,350	• •	1		
	15318	560-630	125	125	55,00	295,00	167,00	0,689	• •	1		
	15331	630	110	110	49,00	327,00	147,00	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 64 onwards.



WELD-IN SADDLE BUTT WELDING

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: Fusiolen® PP-R & PP-RP

Standard: DIN 16962, DIN EN ISO 15874

Colour: green

SDR	Art.-No.	d	d1	d2	l	z	Weight [kg]	System	PU	Box unit	Price € m/pc
<i>butt welding</i>											
9	315265	315	160	160	80,00	237,50	0,831	• •	1		
	315271	355	160	160	80,00	257,50	0,845	• •	1		
11	15265	315	160	160	80,00	237,50	0,868	• •	1		
	15271	355	160	160	80,00	257,50	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 64 onwards.

WELD-IN SADDLE WITH FEMALE THREAD

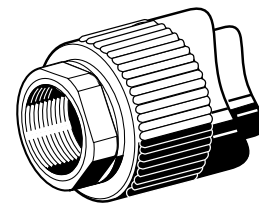
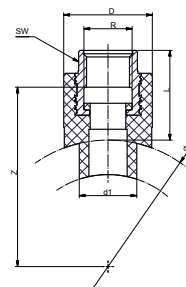
Systems: aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe

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	d1	l	z	D	R	SW	Weight [kg]	System	PU	Box unit	Price € m/pc
<i>socket welding</i>													
6 7.4 9 11 17.6	28214*	40	25	39,00	43,00	38,50	1/2"	24,00	0,088	• • •	5	300	
	28216	50	25	39,00	48,00	38,50	1/2"	24,00	0,090	• • •	5	300	
	28218	63	25	39,00	54,50	38,50	1/2"	24,00	0,089	• • •	5	300	
	28220	75	25	39,00	53,50	38,50	1/2"	24,00	0,083	• • •	5	300	
	28222	90	25	39,00	68,00	38,50	1/2"	24,00	0,090	• • •	5	300	
	28224	110	25	39,00	78,00	38,50	1/2"	24,00	0,089	• • •	5	300	
	28226	125	25	39,00	85,50	38,50	1/2"	24,00	0,092	• • •	5	250	
	28230	160	25	39,00	103,00	38,50	1/2"	24,00	0,092	• • •	5	250	
	28232	200	25	39,00	38,00	38,50	1/2"	24,00	0,092	• • •	5	50	
	28234	40	25	39,00	43,00	43,50	3/4"	31,00	0,107	• • •	5	300	
	28236	50	25	39,00	49,50	43,50	3/4"	31,00	0,110	• • •	5	300	
	28238	63	25	39,00	55,50	43,50	3/4"	31,00	0,109	• • •	5	300	
	28240	75	25	39,00	63,00	43,50	3/4"	31,00	0,109	• • •	5	300	
	28242	90	25	39,00	73,00	43,50	3/4"	31,00	0,110	• • •	5	300	
	28244	110	25	39,00	80,50	43,50	3/4"	31,00	0,110	• • •	5	300	
	28246	125	25	39,00	96,00	43,50	3/4"	31,00	0,112	• • •	5	300	
	28250	160	25	39,00	58,50	43,50	3/4"	31,00	0,112	• • •	5	250	
	28254	200	25	39,00	66,00	43,50	3/4"	31,00	0,112	• • •	5	250	
	28260	75	32	43,00	76,00	60,00	1"	39,00	0,223	• • •	5	125	
	28262	90	32	43,00	83,50	60,00	1"	39,00	0,223	• • •	5	125	
	28264	110	32	43,00	101,00	60,00	1"	39,00	0,223	• • •	5	125	
	28266	125	32	43,00	123,00	60,00	1"	39,00	0,224	• • •	5	125	
	28270	160	32	43,00	118,00	60,00	1"	39,00	0,226	• • •	5	125	
	28274	200	32	43,00	121,00	60,00	1"	39,00	0,244	• • •	5	25	

WELD-IN SADDLE WITH MALE THREAD

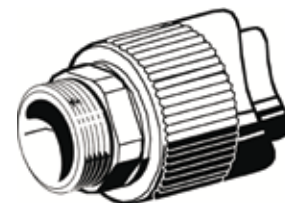
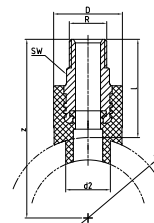
Systems: aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe

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	d2	l	z	D	R	SW	Weight [kg]	System	PU	Box unit	Price € m/pc
<i>socket welding</i>													
6 7.4 9 11 17.6	28314*	40	25	55,00	75,00	38,50	R1/2	21,00	0,088	• • •	5	300	
	28316	50	25	55,00	80,00	38,50	R1/2	21,00	0,090	• • •	5	300	
	28318	63	25	55,00	86,50	38,50	R1/2	21,00	0,089	• • •	5	300	
	28320	75	25	55,00	92,50	38,50	R1/2	21,00	0,097	• • •	5	300	
	28322	90	25	55,00	100,00	38,50	R1/2	21,00	0,090	• • •	5	300	
	28324	110	25	55,00	110,00	38,50	R1/2	21,00	0,089	• • •	5	300	
	28326	125	25	55,00	117,50	38,50	R1/2	21,00	0,092	• • •	5	300	
	28330	160	25	55,00	135,00	38,50	R1/2	21,00	0,092	• • •	5	300	
	28334	40	25	56,00	76,00	43,50	R3/4	24,00	0,107	• • •	5	250	
	28336	50	25	56,00	81,00	43,50	R3/4	24,00	0,110	• • •	5	250	
	28338	63	25	56,00	87,50	43,50	R3/4	24,00	0,109	• • •	5	250	
	28340	75	25	56,00	93,50	43,50	R3/4	24,00	0,109	• • •	5	250	
	28342	90	25	56,00	101,00	43,50	R3/4	24,00	0,110	• • •	5	250	
	28344	110	25	56,00	111,00	43,50	R3/4	24,00	0,110	• • •	5	250	
	28346	125	25	56,00	118,50	43,50	R3/4	24,00	0,112	• • •	5	250	
	28350	160	25	56,00	136,00	43,50	R3/4	24,00	0,112	• • •	5	250	

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 64 onwards.

FLANGE ADAPTER SOCKET WELDING

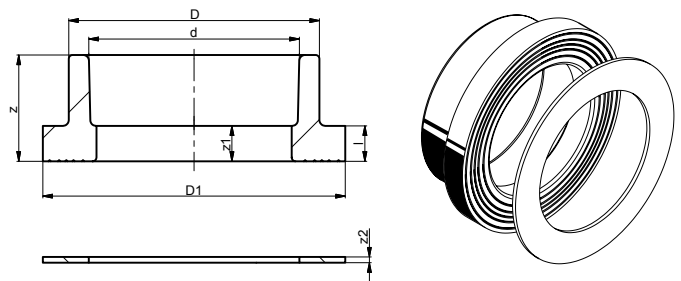
with gasket

Systems: aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe

Material: Fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	Dimension d [mm]	L	z	D	D1	z1	z2	Weight [kg]	System	PU	Box unit	Price € m/pc
socket welding													
6 7.4 9 11	15512	32	11,00	35,00	41,00	68,00	17,00	3,00	0,053	• • •	1	500	
	15514	40	12,00	36,50	50,00	78,00	16,00	3,00	0,071	• • •	1	250	
	15516	50	13,00	40,50	61,00	88,00	17,00	3,00	0,071	• • •	1	200	
	15518	63	15,00	44,50	76,00	102,00	17,00	3,00	0,112	• • •	1	150	
	15520	75	17,00	47,00	90,00	122,00	17,00	3,00	0,169	• • •	1	80	
	15522	90	17,00	50,00	108,00	138,00	17,00	3,00	0,261	• • •	1	50	
	15524	110	18,50	55,50	131,00	158,00	18,50	3,00	0,329	• • •	1	40	
	15526*	125	18,50	202,00	131,00	158,00	18,50	3,00	1,263	• • •	1	16	
	15527	125	20,00	63,00	165,00	188,00	23,00	3,00	0,724	• • •	1	25	

* 125mm fitting with 110mm flange adaptor suitable for plastic coated steel flange Art. No. 15724

FLANGE ADAPTER BUTT WELDING

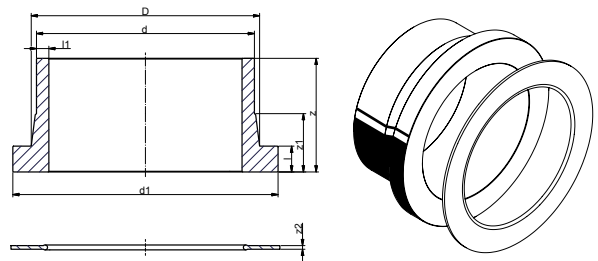
with gasket

Systems: aquatherm green pipe, aquatherm blue pipe

Material: Fusiolen® PP-R & PP-RP

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



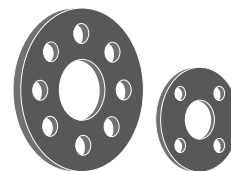
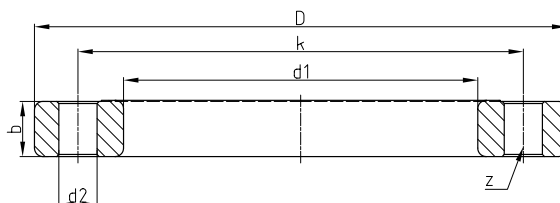
SDR	Art.-No.	Dimension d [mm]	L	z	D	D1	L1	z1	z2	Weight [kg]	System	PU	Box unit	Price € m/pc
butt welding														
7.4	15530	160	25,00	93,00	175,00	212	21,90	53,00	3,00	1,163	• •	1	16	
	15534	200	32,00	130,00	232,00	268	27,40	72,00	6,00	2,292	• •	1	6	
	15538	250	35,00	130,00	285,00	320	34,20	75,00	6,00	3,298	• •	1	5	
9	315530	160	25,00	93,00	175,00	212	17,90	53,00	3,00	1,150	•	1		
	315534	200	32,00	130,00	232,00	268	22,40	72,00	6,00	2,292	•	1		
	315538	250	35,00	130,00	285,00	320	27,90	75,00	6,00	3,313	•	1		
	315542	315	35,00	170,00	335,00	370	35,20	81,00	6,00	5,640	•	1		
	315544	355	42,00	185,00	372,00	432	39,70	95,00	6,00	7,900	•	1		
11	15531	160	25,00	93,00	175,00	212	14,60	53,00	3,00	0,955	• •	1	16	
	15535	200	32,00	130,00	232,00	268	18,20	72,00	6,00	1,957	• •	1	6	
	15539	250	35,00	130,00	285,00	320	22,70	75,00	6,00	2,717	• •	1	5	
	15543	315	35,00	170,00	335,00	370	28,60	81,00	6,00	5,650	• •	1		
	15545	355	42,00	185,00	372,00	432	32,20	95,00	6,00	9,000	• •	1	1	
	15547	400	50,00	195,00	425,00	484	36,30	98,00	6,00	12,000	• •	1		
	15549	450	75,00	220,00	512,00	586	40,90	140,00	7,00	16,500	• •	1		
17.6	2515530	160	25,00	93,00	175,00	212	9,10	53,00	3,00	0,821	•	1		
	2515534	200	32,00	130,00	232,00	268	11,40	72,00	6,00	1,849	•	1		
	2515538	250	35,00	130,00	285,00	320	14,20	75,00	6,00	2,736	•	1		
	2515542	315	35,00	170,00	335,00	370	17,90	81,00	6,00	4,500	•	1		
	2515544	355	42,00	185,00	372,00	432	20,10	95,00	6,00	6,500	•	1		
	2515546	400	33,00	199,00	425,00	484	22,70	89,00	6,00	8,500	•	1		
	2515548	450	46,00	140,00	512,00	586	25,70	76,00	7,00	12,000	•	1		
	2515550	500	47,00	141,00	525,00	585	28,40	74,00	7,00	9,800	•	1		
	2515552	560	50,00	141,00	612,00	685	31,70	81,00	7,00	13,800	•	1		
	2515554	630	50,00	142,00	640,00	688	35,70	82,00	7,00	12,600	•	1		

PLASTIC COATED STEEL FLANGE

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: PP/steel

Colour: grey



SDR	Art.-No.	Dimension	fits to Art.-No.	d1	D	K	d2	b	z	Weight [kg]	System	PU	Box unit	Price € m/pc
socket welding														
6 7.4 9 11 17.6	15712	32	15512	42	116,00	85,00	14	15,50	4,00	0,469	• • •	1		
	15714	40	15514	51	141,00	100,00	18	17,50	4,00	0,722	• • •	1		
	15716	50	15516	62	151,00	110,00	18	17,50	4,00	0,770	• • •	1		
	15718	63	15518	78	166,00	125,00	18	19,00	4,00	0,911	• • •	1		
	15720	75	15520	92	186,00	145,00	18	19,00	4,00	1,132	• • •	1		
	15722	90	15522	110	201,00	160,00	18	21,00	8,00	1,356	• • •	1		
	15724	110	15524/26	133	221,00	180,00	18	22,00	8,00	1,475	• • •	1		
	15726	125	15527	167	251,00	210,00	18	26,00	8,00	2,082	• • •	1		
	15730	160	15530 15531 315530 2515530	178	286,00	240,00	22	27,00	8,00	3,671	• •	1		
	15734	200	15534 15535 315534 2515534	235	341,00	295,00	22	28,00	8,00	4,709	• •	1		
	15738	250	15538 15539 315538 2515538	288	406,00	350,00	22	31,00	12,00	7,094	• •	1		
	15742	315	15543 315542 2515542	340	460,00	400,00	22	34,50	12,00	9,500	• •	1		
	15744	355	15545 315544 2515544	380	520,00	460,00	22	39,00	16,00	15,300	• •	1		
	15746	400	15547 2515546	430	565,00	515,00	26	34,00	16,00	19,680	• •	1		
	15748	450	15549 2515548	517	670,00	620,00	26	42,00	20,00	22,880	• •	1		
	15750	500	2515550	533	670,00	620,00	26	38,00	20,00	19,000	• •	1		
	15752	560	2515552	618	785,00	725,00	30	50,00	20,00	37,200	• •	1		
	15754	630	2515554	645	785,00	725,00	30	40,00	20,00	25,800	• •	1		

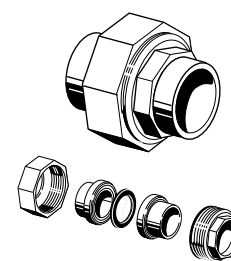
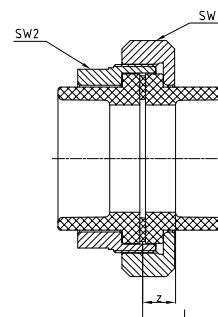
COUPLING SCREW JOINT

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R, brass

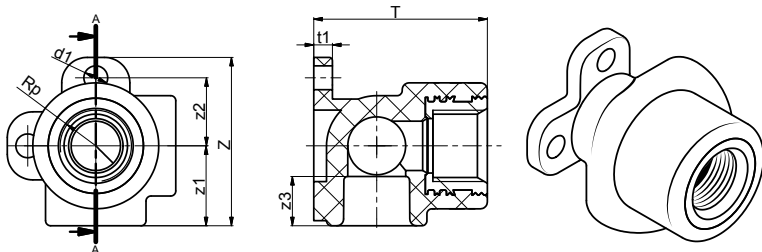
Standard: DIN 16962, DIN EN ISO 15874

Colour: green, brassy



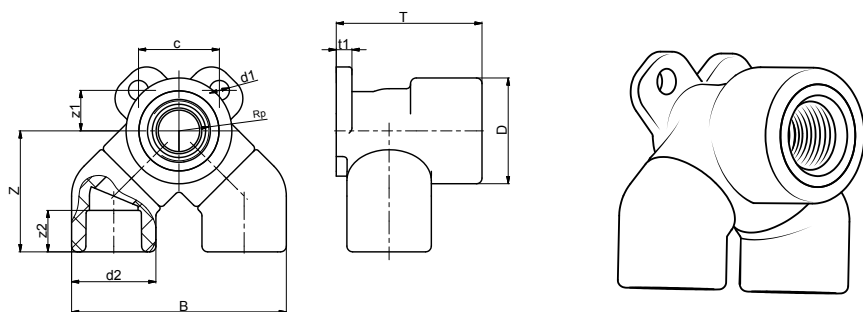
SDR	Art.-No.	Dimension d [mm]	l	z	D	SW1	SW2	Weight [kg]	System	PU	Box unit	Price € m/pc
socket welding												
6 7.4 9 11	15812	32	36,50	18,50	41,00	64,00	50,00	0,479	• • •	1		
	15814	40	38,00	17,50	50,00	80,00	60,00	0,841	• • •	1		
	15816	50	41,00	17,50	61,00	86,00	70,00	0,821	• • •	1		
	15818	63	45,00	17,50	76,00	108,00	90,00	1,498	• • •	1		
	15820	75	47,50	17,50	90,00	128,00	104,00	1,998	• • •	1		

NEW PRINCIPLE OF FLOW-THROUGH BACK PLATE ELBOW



NEW aquatherm green pipe FLOW-THROUGH BACK PLATE ELBOW 90°

Art.- No.	Dimension	d1	Z	z1	z2	z3	t1	T	Rp	PU	Box unit	Price € m/pc
20197	20 mm x 1/2" f x 20 mm	7,00	49,50	23,50	20,00	14,50	5,50	51,00	1/2"	1		



NEW aquatherm green pipe FLOW-THROUGH BACK PLATE ELBOW, PARALLEL

Art.- No.	Dimension	D	d1	d2	Z	z1	z2	t1	T	c	PU	Box unit	Price € m/pc
20198	20 mm x 1/2" f x 20 mm	37,00	7,00	29,50	42,30	14,14	14,50	5,50	51,00	28,11	1		

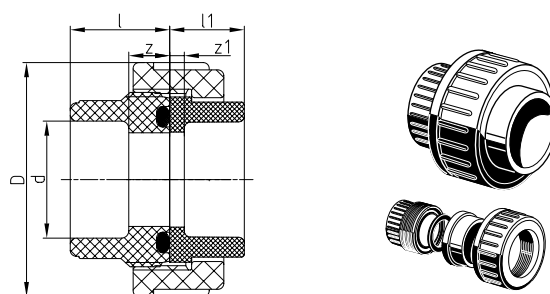
COUPLING SCREW JOINT

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	Dimension d [mm]	l	z	l1	z1	D	Weight [kg]	System	PU	Box unit	Price € m/pc
<i>socket welding</i>												
6 7.4 9 11	15838	20	26,00	12,00	20,00	5,50	46,00	0,036	• • •	10	300	
	15840	25	28,00	12,00	21,00	5,00	56,00	0,058	• • •	10	250	
	15842	32	32,00	12,00	23,00	5,00	66,00	0,089	• • •	5	200	
	15844	40	38,00	14,00	25,50	5,00	79,00	0,136	• • •	5	150	
	15846	50	45,00	16,00	28,50	5,00	87,00	0,170	• • •	5	100	
	15848	63	55,50	20,00	32,50	5,00	107,00	0,240	• • •	1	60	
	15850	75	50,00	20,00	36,00	6,00	128,00	0,546	• • •	1		

ELECTROFUSION SOCKET

Systems:

aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material:

Fusiolen® PP-R

Standard:

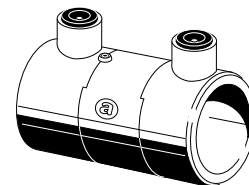
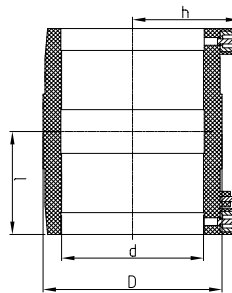
DIN 16962, DIN EN ISO 15874

Colour:

green

Notice

do not use with 160 mm - 250 mm fittings
*do not use with aquatherm green pipe MF OT



SDR	Art.-No.	Dimension d [mm]	l	h	D	Weight [kg]	System	PU	Box unit	Price € m/pc
<i>Electro-socket welding</i>										
6 7.4 9 11 17.6	17208	20	35,00	36,00	31,50	0,049	• • •	1	500	
	17210	25	39,00	38,50	36,50	0,057	• • •	1	350	
	17212	32	40,00	42,50	45,00	0,077	• • •	1	300	
	17214	40	46,00	47,00	54,00	0,103	• • •	1	200	
	17216	50	51,50	52,00	65,00	0,142	• • •	1	130	
	17218	63	59,00	58,00	81,50	0,239	• • •	1	75	
	17220	75	65,00	64,50	96,00	0,347	• • •	1	45	
	17222	90	72,50	72,00	113,50	0,501	• • •	1	30	
	17224	110	80,00	82,50	139,00	0,821	• • •	1	22	
	17226	125	86,00	90,00	156,00	1,097	• • •	1	16	
	17230*	160	93,00	109,50	197,00	1,754	• • •	1	10	
	17234*	200	105,00	134,00	243,00	3,625	• • •	1		
	17238*	250	125,00	170,00	315,00	7,142	• • •	1		

BACK PLATE ELBOW

Systems:

aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material:

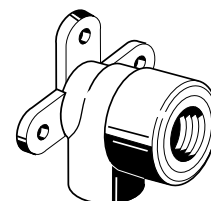
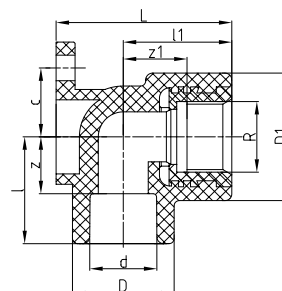
Fusiolen® PP-R, brass

Standard:

DIN 16962, DIN EN ISO 15874

Colour:

green



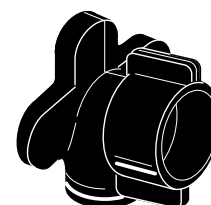
SDR	Art.-No.	d	R	l	z	D	l1	z1	D1	L	c	Weight [kg]	System	PU	Box unit	Price € m/pc
<i>socket welding</i>																
6 7.4 11	20106	16	1/2"	31,00	18,00	29,50	31,50	15,50	37,00	51,00	20,00	0,080	•	10	200	
	20108	20	1/2"	31,00	16,50	29,50	31,50	15,50	37,00	51,00	20,00	0,079	• • •	10	200	
	20110	20	3/4"	37,00	22,50	34,00	37,00	24,00	44,00	54,00	25,00	0,106	• • •	10	150	
	20112	25	3/4"	37,00	21,00	34,00	37,00	24,00	44,00	54,00	25,00	0,105	• • •	10	150	
	20113	25	1/2"	33,50	17,50	34,00	31,00	15,00	37,00	53,00	20,00	0,080	• • •	10	200	

DISCONTINUED SOUND ISOLATION COVER

for aquatherm green pipe back plate elbow 1/2"

Please note: This is a discontinued article that is no longer available after sale of stocks.

Art.- No.	Dimension	PU	Box unit	Price € m/St
20120	Thickness approx. 5 mm	1		



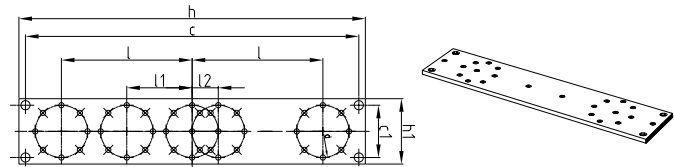
MOUNTING PLATE

galvanized; to fix back plate elbows as double connection

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: iron, galvanized

Colour: zinc



Art.-No.	d	l	l1	l2	c	c1	h	h1	Weight [kg]	System	PU	Box unit	Price € m/pc
60010	40	100,00	50,00	20,00	255,00	40,00	265,00	50,00	0,221	• • •	1		

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

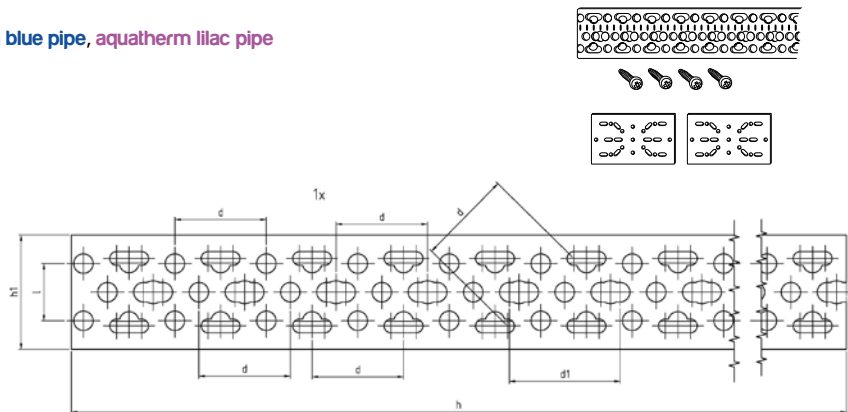
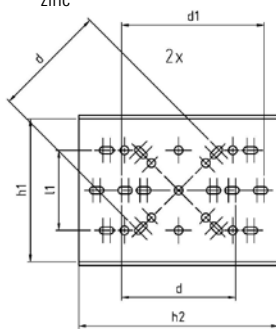
MOUNTING PLATE

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

Systems: aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe

Material: iron, galvanized

Colour: zinc



Art.-No.	d	d1	l	l1	h	h1	h2	Weight [kg]	System	PU	Box unit	Price € m/pc
79090	40	50	25,00	28,00	560,00	50,00	70,00	0,546	• • •	1		

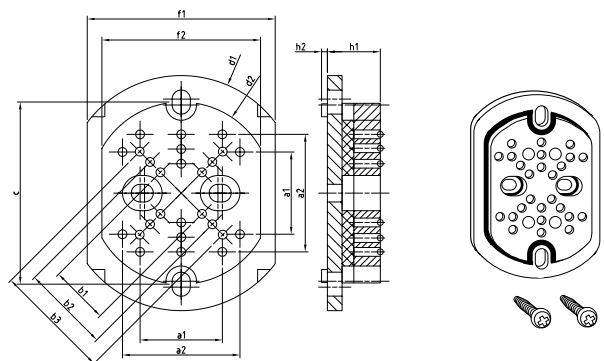
SOUND ISOLATION PLATE

for aquatherm green pipe-and aquatherm grey pipe-back plate elbow

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: PP

Colour: white



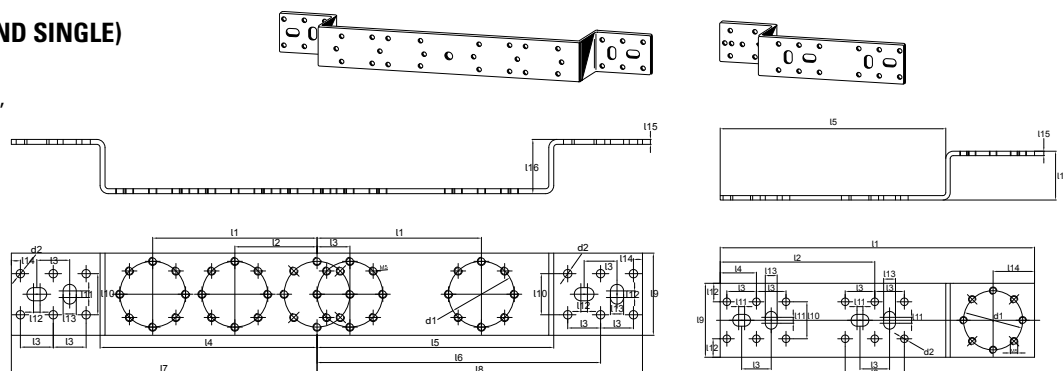
Art.-No.	a1	a2	b1	b2	b3	c	d1	d2	f1	f2	h1	h2	Weight [kg]	System	PU	Box unit	Price € m/pc
79080	28,00	40,00	20,00	30,00	40,00	62,00	80	62	64,00	54,00	18,00	2,00	0,058	• • •	2		

MOUNTING RAIL (DOUBLE AND SINGLE)

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: iron, galvanized

Colour: zinc

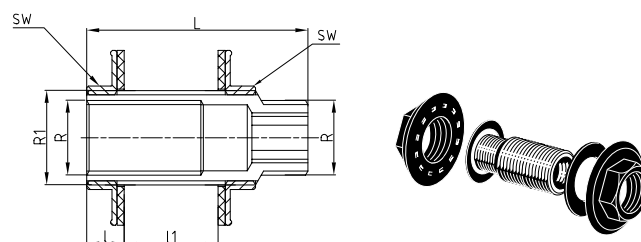


Art.-No.	ø d1	ø d2	I1	I2	I3	I4	I5	I6	I7	I8	I9	I10	I11	I12	I13	I14	I15	I16	Weight [kg]	System	PU	Price € m/pc
79095	40	5,1	100,00	50,00	20,00	132,00	144,00	172,50	186,00	198,00	50,00	25,00	4,00	4,00	8,00	5,50	3,00	33,00	0,412	• • •	2	6,89
79096	40	5,1	212,50	104,50	20,00	24,50	152,50	-	-	40,00	50,00	25,00	4,00	12,50	8,00	28,00	3,00	33,00	0,235	• • •	2	3,39

DRY CONSTRUCTION WALL FITTING

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: brass



Art.-No.	R	R1	I	I1	L	SW	Weight [kg]	System	PU	Box unit	Price € m/pc
20114	1/2"	3/4"	10,50	26,00	62,00	30,00	0,213	• • •	10	300	

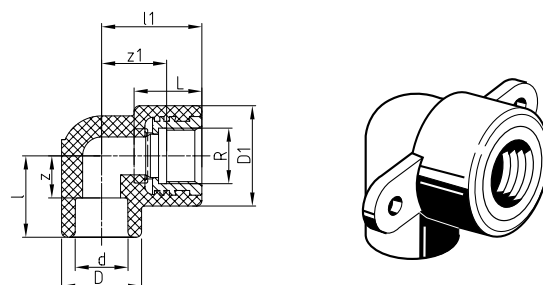
BACK PLATE ELBOW FOR DRY CONSTRUCTION

Systems: aquatherm green pipe aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	d	R	I	z	D	I1	z1	D1	L	c	Weight [kg]	System	PU	Box unit	Price € m/pc
6	socket welding															
7.4	20156	16	1/2"	30,00	17,00	29,50	37,00	24,00	37,00	25,00	59,00	0,081	•	10	250	
11	20158	20	1/2"	30,00	15,50	29,50	37,00	24,00	37,00	25,00	59,00	0,079	• • •	10	200	

TRANSITION PIECE

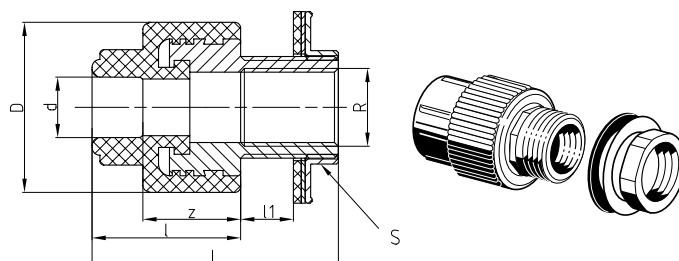
with counternut, gasket and tension washer

Systems: aquatherm green pipe aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	d	R	I	z	D	I1	L	SW	Weight [kg]	System	PU	Box unit	Price € m/pc
6	socket welding													
7.4	20204	20	1/2"	40,00	25,50	43,50	13,50	65,00	29,00	0,204	• • •	10		

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

TRANSITION ELBOW

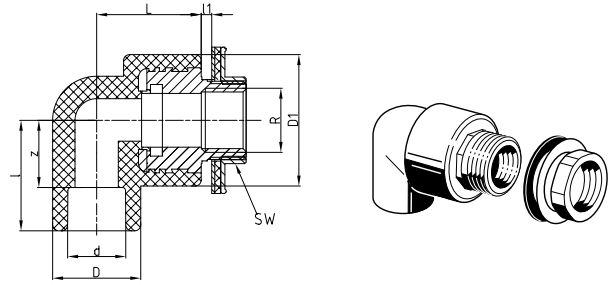
with counter nut, gasket and tension washer

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	d	R	l	z	D	l1	L	D1	SW	Weight [kg]	Sys-tem	PU	Box unit	Price € m/pc
socket welding															
6	20206	16	1/2"	37,00	24,00	29,50	3,50	35,00	44,00	29,00	0,201	•	10		
7.4	20208	20	1/2"	37,00	22,50	29,50	3,50	35,00	44,00	29,00	0,154	• • •	10		
11	20209	25	1/2"	37,00	21,00	34,00	3,50	37,00	44,00	29,00	0,206	• • •	10		

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

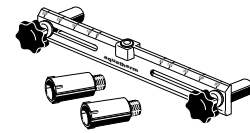
ASSEMBLING JIG

as water level with 2 plugs 1/2"

Systems: aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe

Material: Fusiolen® PP-R

Colour: green



Art.-No.	a	b	h1	l1	l2	d	l	R	Weight [kg]	System	PU	Box unit	Price € m/pc
50700	280,00	36,00	8,00	80,00	250,00	28	55,50	1/2"	0,252	• • •	1		

PLUG FOR PRESSURE TESTS

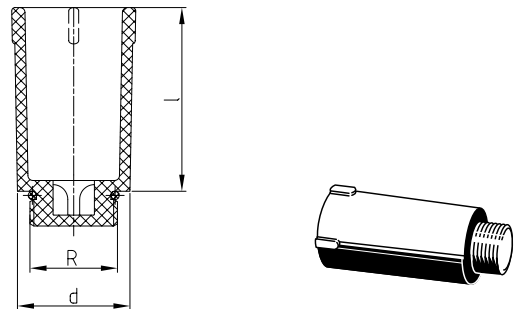
with gasket

Systems: aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe

Material: Fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



Art.-No.	d	R	l	Weight [kg]	System	PU	Box unit	Price € m/pc
50708	28	1/2"	55,50	0,022	• • •	10		
50710	34	3/4"	55,50	0,027	• • •	10		

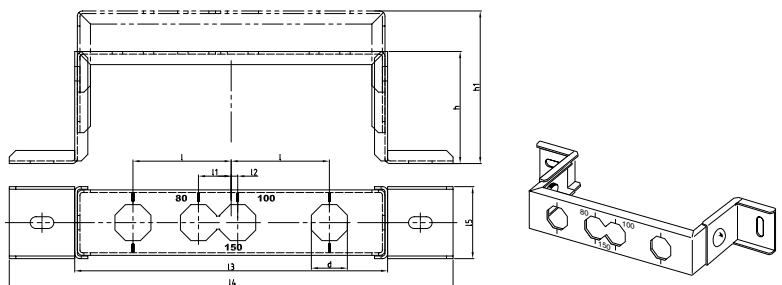
MOUNTING UNIT

double

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: iron/galvanized
zinc

Colour: zinc



Art.-No.	b	l	l1	l2	h	h1	l3	l4	l5	Weight [kg]	System	PU	Box unit	Price € m/pc
60110	27,50	75,00	25,00	5,00	92,50	122,50	239,00	339,00	55,00	0,630	• • •	1		

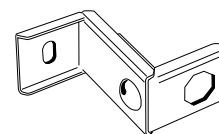
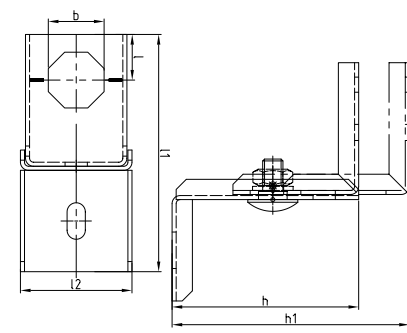
MOUNTING UNIT

single

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: iron/galvanized

Colour: zinc



Art.-No.	b	l	l1	l2	h	h1	Weight [kg]	System	PU	Box unit	Price € m/pc
60115	27,50	118,00	22,50	55,00	92,50	122,50	0,278	• • •	1		

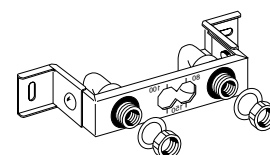
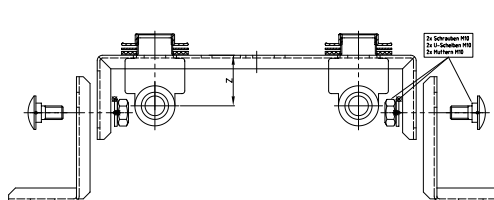
MOUNTING UNIT

with two aquatherm green pipe transition elbows (Art.-No. 20208), with counternut, gasket and tension washer

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R, brass
iron/galvanized

Colour: green
zinc



Art.-No.	b	l	l1	l2	h	h1	l3	l4	l5	Weight [kg]	System	PU	Box unit	Price € m/pc
60150	27,50	75,00	25,00	5,00	92,50	122,50	239,00	339,00	55,00	0,942	• • •	1		

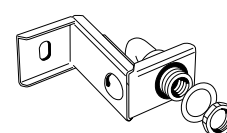
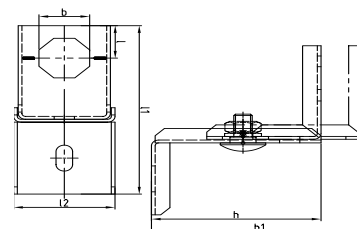
MOUNTING UNIT

with one aquatherm green pipe transition elbow (Art.-No. 20208), with counternut, gasket and tension washer

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R, brass
iron/galvanized

Colour: green
zinc



Art.-No.	b	l	l1	l2	h	h1	Weight [kg]	System	PU	Box unit	Price € m/pc
60155	27,50	22,50	118,00	55,00	92,50	122,50	0,434	• • •	1		

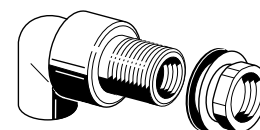
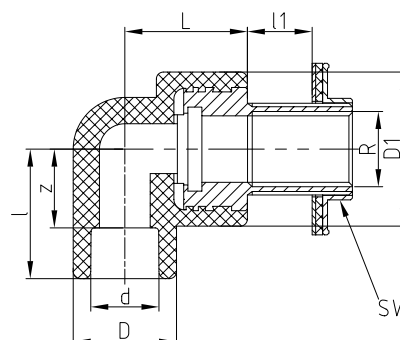
TRANSITION ELBOW

for plasterboard

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R, brass

Colour: green



SDR	Art.-No.	d	R	l	z	D	L	l1	D1	SW	Weight [kg]	System	PU	Box unit	Price € m/pc
6	20210	20	1/2"	37,00	22,50	29,50	35,00	18,50	44,00	29,00	0,223	• • •	10		
7.4															
11															

with 30 mm thread, counternut, gasket and tension washer

TRANSITION PIECE WITH FEMALE THREAD

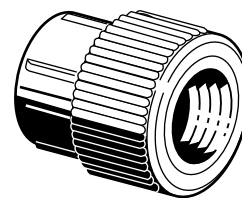
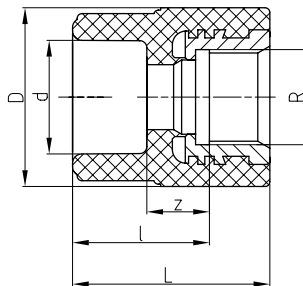
round

Systems: aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	d	R	l	z	D	L	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11	21006	16	1/2"	28,00	15,00	38,50	41,00	0,066	•	10	400	
	21008	20	1/2"	27,50	13,00	37,50	40,50	0,064	• • •	10	400	
	21010	20	3/4"	27,50	13,00	43,50	40,50	0,089	• • •	10	300	
	21011	25	1/2"	29,00	13,00	37,50	42,00	0,065	• • •	10	400	
	21012	25	3/4"	27,50	11,50	43,50	40,50	0,087	• • •	10	300	
	21013	32	3/4"	30,50	12,50	43,50	43,50	0,092	• • •	5	200	

TRANSITION PIECE WITH FEMALE THREAD

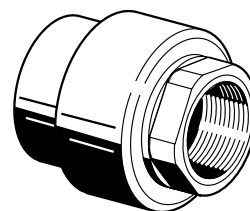
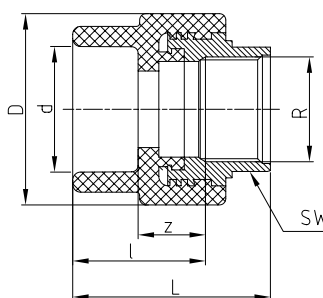
hex shaped threaded transition

Systems: aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	d	R	l	z	D	L	SW	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11	21106	16	1/2"	34,50	21,50	38,50	50,50	24,00	0,089	•	10	400	
	21108	20	1/2"	34,50	20,00	37,50	50,50	24,00	0,078	• • •	10	400	
	21110	20	3/4"	29,00	14,50	43,50	50,00	31,00	0,112	• • •	10	300	
	21111	25	1/2"	36,00	20,00	37,50	52,00	24,00	0,089	• • •	10	300	
	21112	25	3/4"	29,00	13,00	43,50	50,00	31,00	0,109	• • •	10	300	
	21113	32	3/4"	32,00	14,00	43,50	53,00	31,00	0,114	• • •	5	150	
	21114	32	1"	37,50	19,50	60,00	59,50	39,00	0,239	• • •	5	125	
	21115	40	1"	40,00	19,50	60,00	62,00	39,00	0,227	• • •	5	125	
	21116	40	1 1/4"	40,00	19,50	74,00	63,00	50,00	0,385	• • •	5	80	
	21117	50	1 1/4"	43,00	19,50	74,00	66,00	50,00	0,404	• • •	5	75	
	21118	50	1 1/2"	45,00	21,50	85,50	67,00	55,00	0,418	• • •	5	60	
	21119	63	1 1/2"	51,50	24,00	84,00	73,50	55,00	0,442	• • •	1	50	
	21120	63	2"	51,00	23,50	101,00	77,00	67,00	0,600	• • •	1	35	
	21122	75	2"	51,00	21,00	100,00	77,00	67,00	0,608	• • •	1	25	

TRANSITION PIECE WITH MALE THREAD

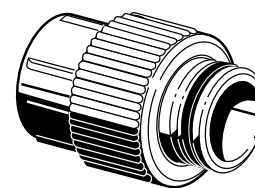
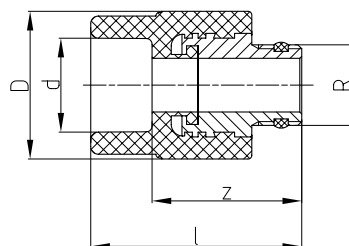
round, self sealing

Systems: aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	d	R	l	z	D	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 11	21258	20	1/2"	52,50	38,00	38,50	0,090	• • •	10		
	21261	25	1/2"	54,00	38,00	38,50	0,078	• • •	10		
	21262	25	3/4"	53,50	37,50	38,50	0,085	• • •	10		

aquatherm green pipe

aquatherm blue pipe

aquatherm lilac pipe

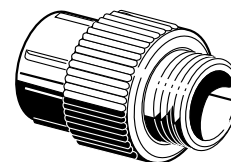
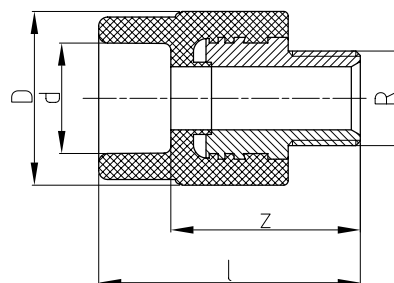
TRANSITION PIECE WITH MALE THREAD*round*

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	d	R	l	z	D	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11	21206	16	1/2"	56,50	43,50	38,50	0,097	•	10	400	
	21208	20	1/2"	56,50	42,00	38,50	0,084	• • •	10	400	
	21210	20	3/4"	57,50	43,00	38,50	0,109	• • •	10	300	
	21211	25	1/2"	58,00	42,00	38,50	0,098	• • •	10	300	
	21212	25	3/4"	57,50	41,50	38,50	0,090	• • •	10	350	
	21213	32	3/4"	59,50	41,50	43,00	0,115	• • •	5	250	

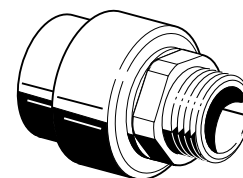
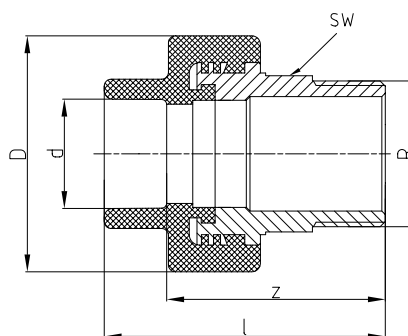
TRANSITION PIECE WITH MALE THREAD*with hexagon or *octagon*

Systems: aquatherm green pipe, aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



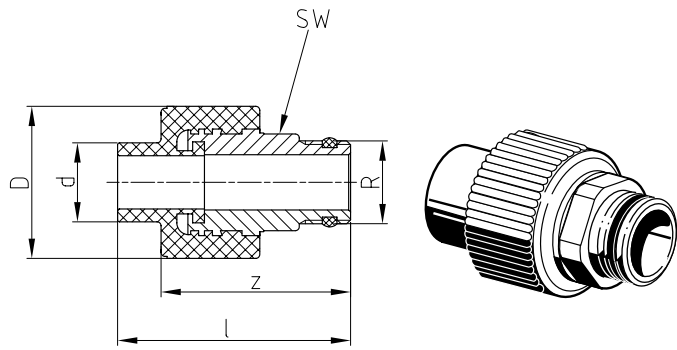
SDR	Art.-No.	d	R	l	z	D	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11	21306	16	1/2"	66,50	53,50	38,50	0,119	•	10	300	
	21308	20	1/2"	66,50	52,00	38,50	0,104	• • •	10	300	
	21310	20	3/4"	67,50	53,00	38,50	0,129	• • •	10	300	
	21312	25	3/4"	67,50	51,50	38,50	0,103	• • •	10	300	
	21314	32	1"	78,50	60,50	53,00	0,216	• • •	5	125	
	21316	32	1 1/4"	81,00	63,00	68,00	0,318	• • •	5	100	
	21317	40	1"	81,00	60,50	52,00	0,222	• • •	5	100	
	21318	40	1 1/4"	84,50	64,00	68,00	0,324	• • •	5	80	
	21319	50	1 1/4"	85,50	62,00	68,00	0,351	• • •	5	75	
	21320	50	1 1/2"	88,50	65,00	74,00	0,425	• • •	5	60	
	21321	63	1 1/2"	94,50	67,00	72,50	0,467	• • •	1	40	
	21322	63	2"	102,50	75,00	84,00	0,685	• • •	1	40	
	21323	75	2"	102,00	72,00	84,00	0,733	• • •	1	25	
	21324	75	2 1/2"	105,00	75,00	100,00	0,970	• • •	1	25	
	21325*	90	3"	121,00	88,00	120,00	1,326	• • •	1	20	
	21327*	110	4"	148,00	111,00	147,00	2,730	• • •	1	8	

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. aquatherm green pipe stainless steel price list Order- No.: E53180 on request!!

TRANSITION PIECE WITH MALE THREAD

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

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

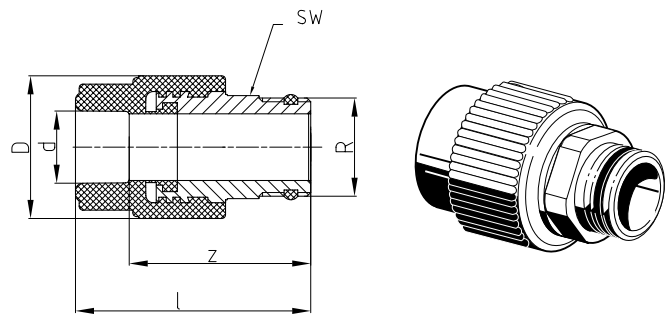


SDR	Art.-No.	d	R	l	z	D	Weight [kg]	System	PU	Box unit	Price € m/pc
7.4	21355	20	1/2"	59,00	48,00	38,50	0,107	• • •	10		

TRANSITION PIECE WITH MALE THREAD

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

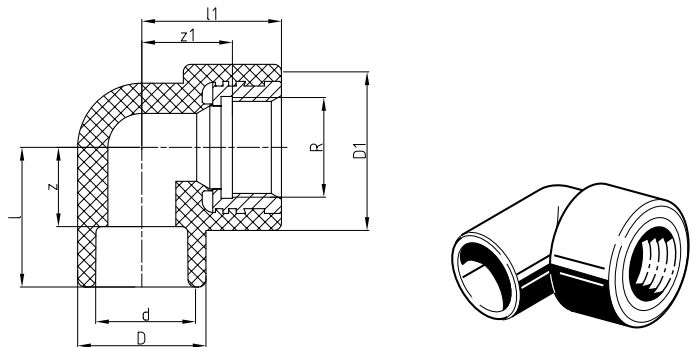
Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe
Material: Fusiolen® PP-R, brass
Standard: DIN 16962, DIN EN ISO 15874
Colour: green



SDR	Art.-No.	d	R	l	z	D	Weight [kg]	System	PU	Box unit	Price € m/pc
6	21356	16	1/2"	63,50	50,50	38,50	0,112	•	10		
7.4											
11	21358	20	1/2"	63,50	49,00	38,50	0,111	• • •	10		

TRANSITION ELBOW WITH FEMALE THREAD

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



SDR	Art.-No.	d	R	l	z	D	l1	z1	D1	Weight [kg]	System	PU	Box unit	Price € m/pc
	23006	16	1/2"	31,50	18,50	29,50	37,00	24,00	37,00	0,072	•	10	300	
	23008	20	3/4"	37,00	22,50	34,00	37,00	24,00	44,00	0,102	• • •	10	250	
6	23010	20	1/2"	31,50	17,00	29,50	31,50	18,50	37,00	0,076	• • •	10	300	
7.4	23012	25	3/4"	37,00	21,00	34,00	37,00	24,00	44,00	0,100	• • •	10	200	
9														
11	23014	25	1/2"	34,00	18,00	34,00	37,00	24,00	37,00	0,075	• • •	10	250	
	23016	32	3/4"	27,50	9,50	43,00	51,00	38,00	44,00	0,104	• • •	5	150	
	23018	32	1"	34,00	16,00	43,00	66,50	44,50	60,50	0,249	• • •	5	100	

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. aquatherm green pipe stainless steel price list Order- No.: E53180 on request!!

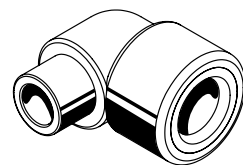
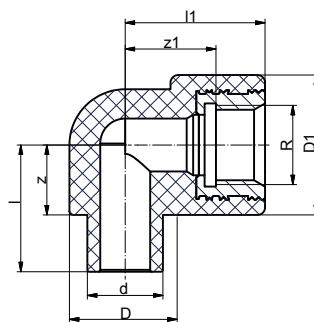
TRANSITION ELBOW WITH FEMALE THREAD

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	d	R	l	z	D	l1	z1	D1	Weight [kg]	System	PU	Box unit	Price € m/pc
6														
7.4	23208	20	1/2"	33,50	18,50	29,50	37,00	24,00	37,00	0,076	• • •	10	300	
11														

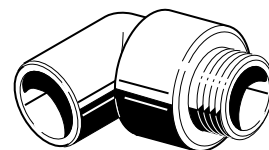
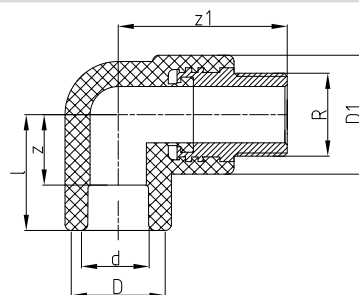
TRANSITION ELBOW WITH MALE THREAD

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	d	R	l	z	D	z1	D1	Weight [kg]	System	PU	Box unit	Price € m/pc
	23504	16	1/2"	31,50	18,50	29,50	53,00	37,00	0,109	•	10	400	
	23506	20	1/2"	31,50	17,00	29,50	53,00	37,00	0,108	• • •	10	300	
6													
7.4	23508	20	3/4"	37,00	22,50	34,00	54,00	38,00	0,128	• • •	10	200	
9	23510	25	3/4"	37,00	21,00	34,00	54,00	38,00	0,104	• • •	10	250	
11	23512	32	3/4"	27,50	9,50	43,00	68,00	38,00	0,112	• • •	5	150	
	23514	32	1"	31,00	13,00	43,00	85,50	52,00	0,231	• • •	5	100	

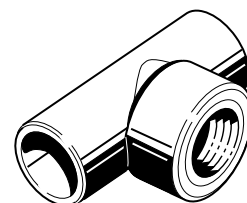
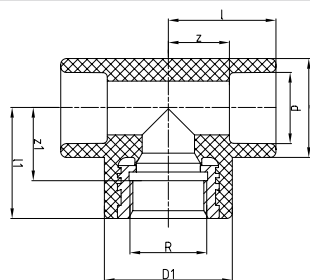
THREADED BRANCH TEE WITH FEMALE THREAD

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	d	R	l	z	D	l1	z1	D1	Weight [kg]	System	PU	Box unit	Price € m/pc
	25004	16	1/2"	31,50	18,50	29,50	37,00	24,00	37,00	0,089	•	10	250	
	25006	20	1/2"	31,50	17,00	29,50	37,00	24,00	37,00	0,086	• • •	10	250	
	25008	20	3/4"	37,00	22,50	34,00	37,00	24,00	44,00	0,121	• • •	10	170	
	25010	25	1/2"	34,00	18,00	34,00	38,00	25,00	37,00	0,090	• • •	10	200	
	25012	25	3/4"	37,00	21,00	34,00	37,00	24,00	44,00	0,109	• • •	10	150	
6	25013	32	1/2"	35,00	17,00	43,00	37,00	24,00	37,00	0,103	• • •	5		
7.4	25014	32	3/4"	27,50	9,50	43,00	51,00	38,00	44,00	0,111	• • •	5	100	
9	25016	32	1"	31,50	13,50	43,00	65,00	43,00	60,00	0,255	• • •	5	80	
11	25018	40	1/2"	41,50	21,00	52,00	40,00	27,00	37,00	0,142	• • •	5		
	25019	40	3/4"	40,50	20,00	52,00	40,50	27,50	44,00	0,147	• • •	5		
	25020	40	1"	41,50	21,00	52,00	56,00	34,00	60,00	0,276	• • •	5		
	25022	50	1"	49,50	26,00	68,00	63,50	43,50	68,00	0,385	• • •	5	40	
	25030	50,00	1/2"	49,50	26,00	68,00	44,50	31,50	43,00	0,237	• • •	5		
	25031	50,00	3/4"	49,50	26,00	68,00	44,50	31,50	43,00	0,243	• • •	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. aquatherm green pipe stainless steel price list Order- No.: E53180 on request!!

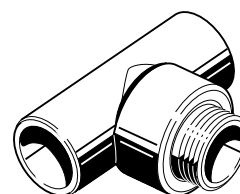
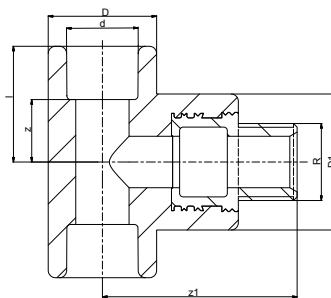
THREADED BRANCH TEE WITH MALE THREAD

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	d	R	l	z	D	z1	D1	Weight [kg]	System	PU	Box unit	Price € m/pc
6	25506	20	1/2"	31,50	17,00	29,50	53,00	37,00	0,102	• • •	10	200	
7.4													
11													

TRANSITION COUPLING WITH MALE THREAD

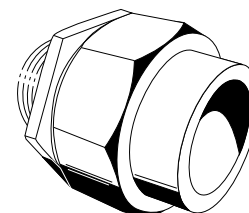
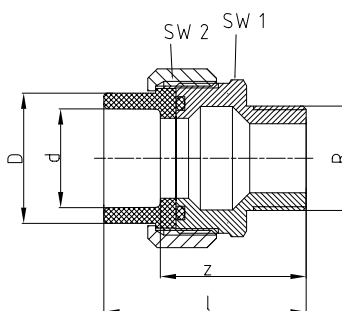
with union nut and welding socket

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	d	R	l	z	D	SW1	SW2	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11	26608	20	1/2"	54,50	40,00	27,50	36,00	36,00	0,145	• • •	1		
	26610	25	3/4"	59,50	43,50	36,00	46,00	46,00	0,243	• • •	1		
	26612	32	1"	64,50	46,50	41,50	52,00	50,00	0,336	• • •	1		
	26614	40	1 1/4"	70,00	49,50	53,00	64,00	65,00	0,632	• • •	1		
	26616	50	1 1/2"	86,50	63,00	59,00	72,00	57,00	0,624	• • •	1		
	26618	63	2"	95,50	68,00	74,00	89,00	66,00	1,045	• • •	1		

TRANSITION COUPLING WITH FEMALE THREAD

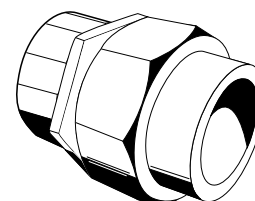
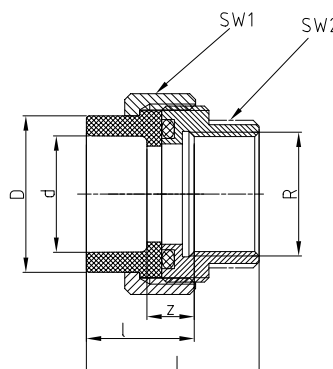
with union nut and welding socket

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	d	R	l	z	D	L	SW1	SW2	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11	26638	20	1/2"	30,00	15,50	27,50	45,00	36,00	25,00	0,083	• • •	1		
	26640	25	3/4"	32,00	16,00	36,00	49,00	45,00	32,00	0,193	• • •	1		
	26642	32	1"	37,00	19,00	41,50	54,00	52,00	40,00	0,291	• • •	1		
	26644	40	1 1/4"	36,50	16,00	53,00	58,50	64,00	47,00	0,423	• • •	1		
	26646	50	1 1/2"	45,50	22,00	59,00	64,50	72,00	57,00	0,610	• • •	1		
	26648	63	2"	50,50	23,00	74,00	74,50	89,00	68,00	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. aquatherm green pipe stainless steel price list Order- No.: E53180 on request!!

LOOSE NUT ADAPTER

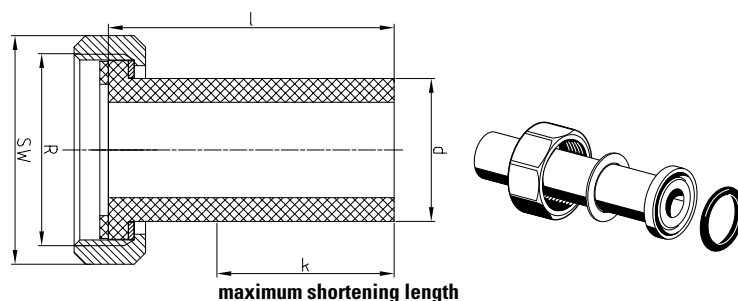
length: 100 mm, with gasket

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	d	Nut R	l	k	SW	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11	26708	20	1"	100,00	65,00	36,00	0,079	• • •	1	150	
	26710	25	1 1/4"	100,00	62,00	46,00	0,104	• • •	1	125	
	26712	32	1 1/2"	100,00	58,00	52,00	0,175	• • •	1	100	
	26714	40	2"	100,00	53,00	64,00	0,258	• • •	1	75	
	26716	50	2 1/4"	100,00	49,00	72,00	0,344	• • •	1	60	
	26718	63	2 3/4"	100,00	43,00	89,00	0,583	• • •	1	40	
	26720	75	3 1/2"	100,00	34,00	110,00	0,918	• • •	1	30	
	26722	90	4"	100,00	26,00	120,00	1,238	• • •	1	20	

WATER METER NUT ADAPTER

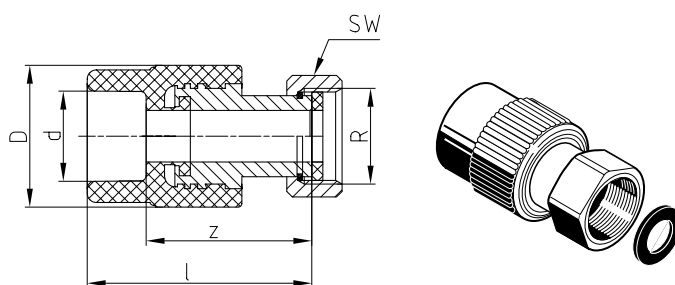
with gasket

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	d	Nut R	l	z	D	SW	Weight [kg]	System	PU	Box unit	Price € m/pc
6	26808	20	3/4"	59,50	45,00	38,50	30,00	0,136	• • •	1		
7.4	26810	25	3/4"	61,00	45,00	38,50	30,00	0,155	• • •	1		
9	26812	32	3/4"	62,00	44,00	43,50	30,00	0,162	• • •	1		

NUT ADAPTER

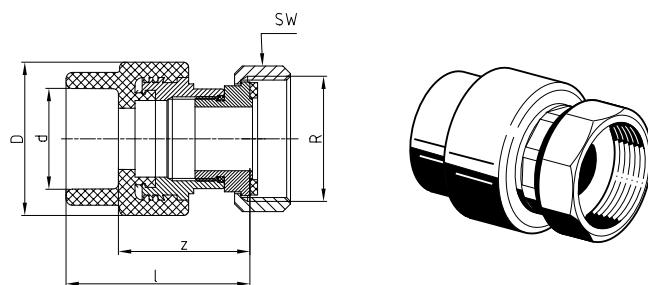
ISO-standard

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	d	Nut R	l	z	D	SW	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11	27010	20	1"	58,50	36,00	38,50	36,00	0,182	• • •	10		
	27011	25	1"	60,00	44,00	38,50	36,00	0,186	• • •	10		
	27012	25	1 1/4"	60,00	44,00	43,50	46,00	0,274	• • •	10		
	27013	32	1 1/4"	63,00	45,00	43,50	46,00	0,279	• • •	5		
	27014	32	1 1/2"	69,50	51,50	60,00	52,00	0,446	• • •	5		
	27015	40	1 1/2"	72,00	51,50	60,00	52,00	0,421	• • •	5		
	27016	40	2"	72,00	51,50	74,00	64,00	0,719	• • •	5		
	27017	50	2"	77,00	53,50	74,00	64,00	0,736	• • •	5		
	27018	50	2 1/4"	77,00	54,50	84,00	72,00	0,831	• • •	5		
	27019	63	2 1/4"	83,50	56,00	84,00	72,00	0,889	• • •	1		
	27020	63	2 3/4"	84,00	56,50	101,00	89,00	1,306	• • •	1		
	27021	75	2 3/4"	85,00	55,00	100,00	89,00	1,275	• • •	1		
	27022	75	3 1/2"	91,00	61,00	100,00	110,00	1,818	• • •	1		

COUNTERPART

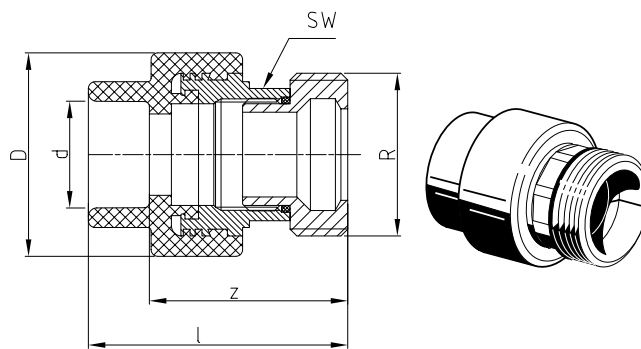
with welding socket and male thread for ISO-standard adapter

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



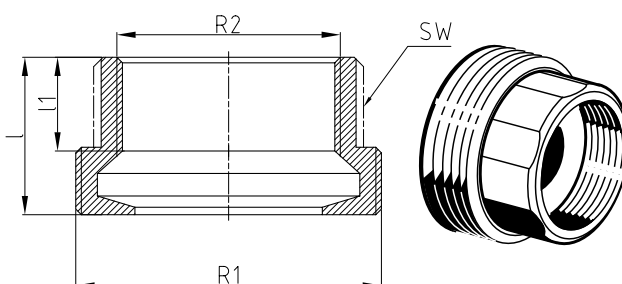
SDR	Art.-No.	d	Thread R	l	z	D	SW	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11	27310	20	1"	61,50	47,00	38,50	24,00	0,151	• • •	10	300	
	27311	25	1"	63,00	47,00	38,50	24,00	0,153	• • •	10	300	
	27312	25	1 1/4"	63,00	47,00	43,50	31,00	0,221	• • •	10	250	
	27313	32	1 1/4"	66,00	48,00	43,50	31,00	0,226	• • •	5	175	
	27314	32	1 1/2"	76,50	58,50	60,00	39,00	0,408	• • •	5	125	
	27315	40	1 1/2"	79,00	58,50	60,00	39,00	0,414	• • •	5	125	
	27316	40	2"	81,00	60,50	74,00	50,00	0,650	• • •	5	70	
	27317	50	2"	84,00	60,50	74,00	50,00	0,634	• • •	5	70	
	27318	50	2 1/4"	83,00	59,50	84,00	55,00	0,750	• • •	5	50	
	27319	63	2 1/4"	89,50	62,00	84,00	55,00	0,728	• • •	1	45	
	27320	63	2 3/4"	94,00	66,50	101,00	67,00	1,093	• • •	1	30	
	27321	75	2 3/4"	95,00	65,00	100,00	67,00	1,117	• • •	1	30	
	27322	75	3 1/2"	100,00	70,00	100,00	67,00	1,436	• • •	1	30	

BRASS COUNTERPART

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

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: brass



SDR	Art.-No.	Male thread R1	Female thread R2	l	l1	SW	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11	27510	1"	1/2"	25,00	15,00	25,00	0,063	• • •	10	400	
	27512	1 1/4"	3/4"	28,00	18,00	32,00	0,119	• • •	10	200	
	27514	1 1/2"	1"	31,00	17,00	40,00	0,175	• • •	5	125	
	27516	2"	1 1/4"	33,00	22,00	47,00	0,263	• • •	5	75	
	27518	2 1/4"	1 1/2"	36,00	19,00	57,00	0,333	• • •	5	60	
	27520	2 3/4"	2"	42,00	24,00	68,00	0,517	• • •	1	35	
	27522	3 1/2"	2 1/2"	46,00	27,00	84,00	0,801	• • •	1	25	
	27524	4"	3"	46,00	27,00	97,00	0,943	• • •	1	25	

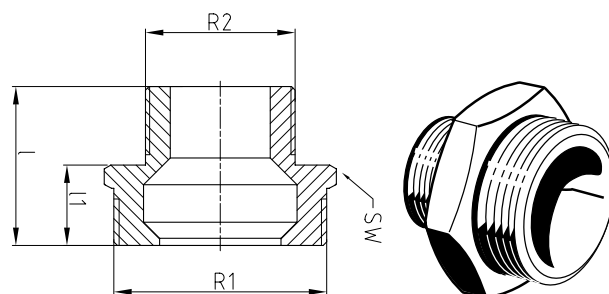
Notice: aquatherm green pipe-metal compound fittings are manufactured from fusiolen PP-R and brass. Metal inserts, without hex shaped spanner flat, with 1/2" and 3/4" f are also available in stainless steel. aquatherm green pipe stainless steel price list Order-. No.: E53180 on request!!

BRASS COUNTERPART

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

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: brass



SDR	Art.-No.	Thread R1	Thread R2	l	l1	SW	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11	27710	1"	1/2"	34,50	18,50	36,00	0,109	• • •	10	250	
	27712	1 1/4"	3/4"	38,50	21,00	46,00	0,188	• • •	10	140	
	27714	1 1/2"	1"	41,50	22,50	50,00	0,211	• • •	5	100	
	27716	2"	1 1/4"	44,50	22,50	65,00	0,363	• • •	5	60	
	27718	2 1/4"	1 1/2"	58,00	36,00	57,00	0,472	• • •	5	50	
	27720	2 3/4"	2"	63,00	38,00	66,00	0,803	• • •	1	25	
	27722	3 1/2"	2 1/2"	70,00	42,00	82,00	1,189	• • •	1	15	
	27724	4"	3"	74,00	42,00	97,00	1,398	• • •	1	10	

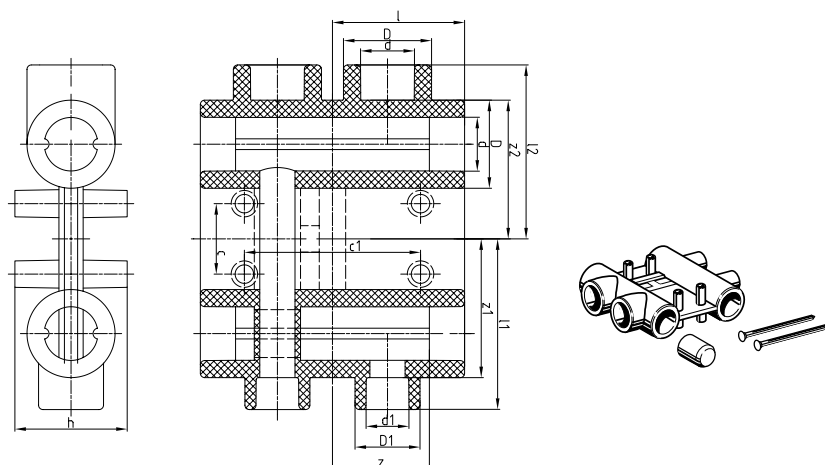
DISTRIBUTION BLOCK PLUMBING

including 1 plug and 2 fastenings

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R

Colour: green



SDR	Art.-No.	d	l	z	D	d1	l1	z1	D1	l2	z2	c	c1	cl	l3	h	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 11	30115	25	60,00	44,00	40,00	20	77,50	63,00	29,50	79,00	63,00	32,00	80,00	100,00	36,00	51,00	0,273	• • •	1		

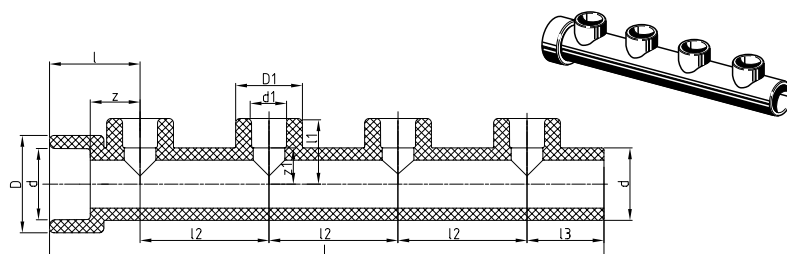
FOUR-PORT MANIFOLD

length: 246 mm, with 4 branches

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R

Colour: green



SDR	Art.-No.	d	d1	l	z	D	l1	z1	D1	l2	l3	L	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11	30602	32	16	40,00	22,00	43,00	29,00	16,00	29,50	57,00	36,00	245,00	0,148	•	1		
	30604	32	20	40,00	22,00	43,00	29,00	14,50	29,50	57,00	36,00	245,00	0,134	• • •	1		

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

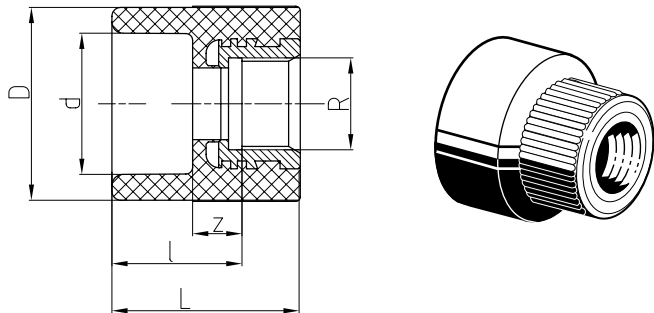
MANIFOLD END PIECE WITH FEMALE THREAD*

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	d	R	l	z	D	L	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11	30804	32	1/2"	30,00	12,00	43,00	43,00	0,073	• • •	1		

* transition piece as manifold endpiece with female thread

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. aquatherm green pipe stainless steel price list Order- No.: E53180 on request!!

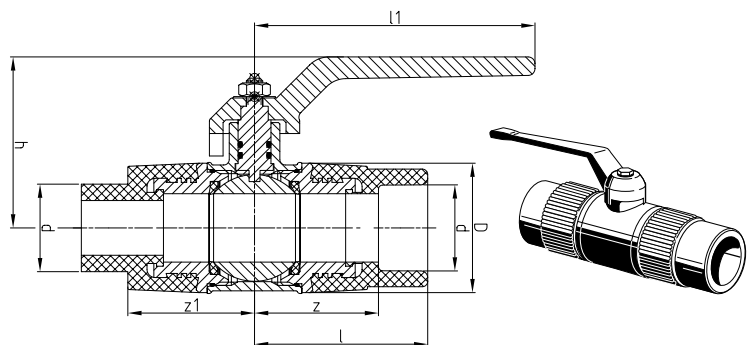
BALL VALVE FOR MANIFOLD

female/male

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R, brass

Colour: green

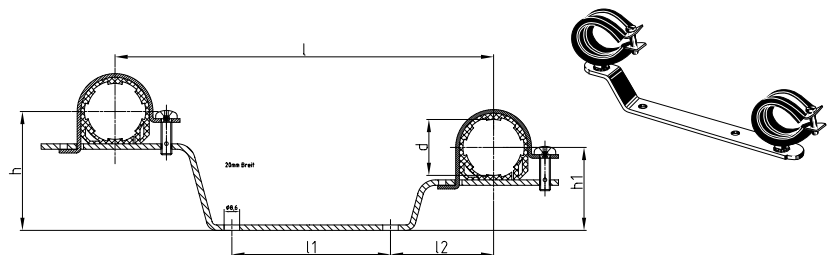


SDR	Art.-No.	d	l	z	D	z1	h	l1	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11	78000	32	63,00	45,00	47,50	46,50	78,00	108,00	0,575	• • •	2		

SUPPORTING STRAP FOR FOUR-PORT MANIFOLD

with clamps, galvanized, double

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe



Art.-No.	d	l	l1	l2	h	h1	Weight [kg]	System	PU	Box unit	Price € m/pc
60210	32	210,00	80,00	57,00	66,00	46,00	0,226	• • •	2		

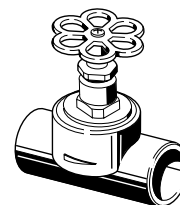
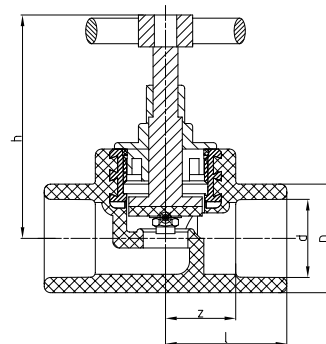
GLOBE VALVE

for surface installation

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R, brass

Colour: green



SDR	Art.-No.	d	l	z	D	h	Weight [kg]	System	PU	Box unit	Price € m/pc
6	40808	20	35,00	20,50	29,50	70,00	0,165	• • •	1	100	
7.4	40810	25	38,00	22,00	34,00	70,00	0,172	• • •	1	100	
9	40812	32	49,00	31,00	43,00	86,50	0,314	• • •	1	60	
11	40814	40	60,00	39,50	52,00	100,50	0,585	• • •	1	35	

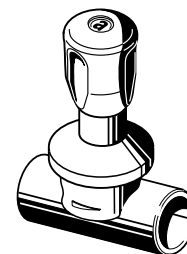
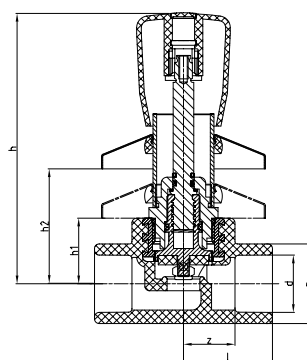
CONCEALED VALVE

chromium plated

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R, brass

Colour: green



SDR	Art.-No.	d	l	z	D	h	h1	h2	Weight [kg]	System	PU	Box unit	Price € m/pc
6	40858	20	35,00	20,50	29,50	116,00	28,00	59,00	0,319	• • •	1	40	
7.4	40860	25	38,00	22,00	34,00	116,00	28,00	59,00	0,330	• • •	1	40	
9	40862	32	49,00	31,00	43,00	121,00	34,00	59,00	0,416	• • •	1	30	

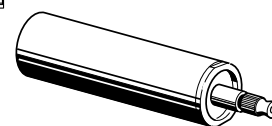
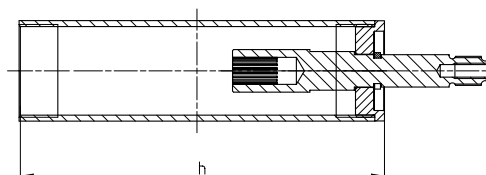
EXTENSION FOR CONCEALED VALVE

chromium-plated for Art.-No. 40858-40862

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: brass

Colour: chrom



Art.-No.	h	Weight [kg]	System	PU	Box unit	Price € m/pc
40900	92,00	0,148	• • •	1	300	
40902	132,00	0,209	• • •	1	200	

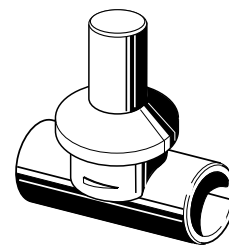
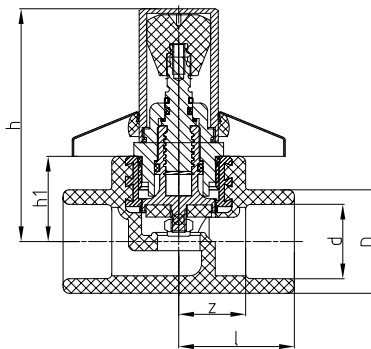
CONCEALED VALVE

tamper proof/ chromium-plated/ short design

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R, brass

Colour: green, chrom



SDR	Art.-No.	d	l	z	D	h	h1	Weight [kg]	System	PU	Box unit	Price € m/pc
6	40868	20	35,00	20,50	29,50	71,50	28,00	0,258	• • •	1	50	
7.4	40870	25	38,00	22,00	34,00	71,50	28,00	0,288	• • •	1	50	
9												
11	40872	32	49,00	31,00	43,00	82,50	34,00	0,376	• • •	1	30	

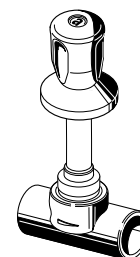
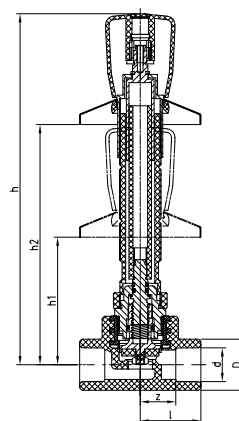
CONCEALED VALVE

suitable for construction depth of 55 mm to 100 mm

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R, brass

Colour: green, chrom



SDR	Art.-No.	d	l	z	D	h	h1	h2	Weight [kg]	System	PU	Box unit	Price € m/pc
6	40878	20	35,00	20,50	29,50	213,00	59,00	147,00	0,357	• • •	1	40	
7.4	40880	25	38,00	22,00	34,00	213,00	59,00	147,00	0,369	• • •	1	40	
9													
11	40882	32	49,00	31,00	43,00	219,00	65,00	153,00	0,455	• • •	1	20	

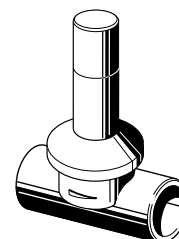
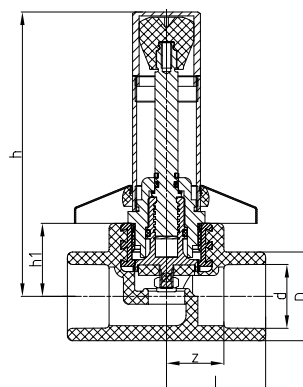
CONCEALED VALVE

tamper proof, chromium-plated

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R, brass

Colour: green, chrom



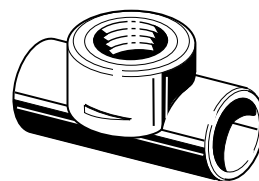
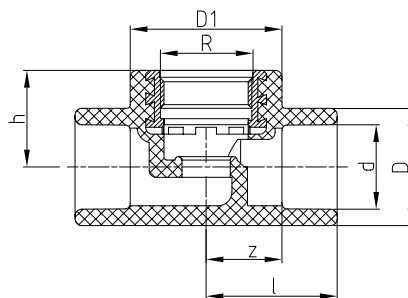
SDR	Art.-No.	d	l	z	D	h	h1	Weight [kg]	System	PU	Box unit	Price € m/pc
6	40888	20	35,00	20,50	29,50	109,00	28,00	0,342	• • •	1	50	
7.4	40890	25	38,00	22,00	34,00	109,00	28,00	0,350	• • •	1	50	
9												
11	40892	32	49,00	31,00	43,00	115,00	34,00	0,432	• • •	1	40	

STOP VALVE BODY

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R, brass

Colour: green



SDR	Art.-No.	d	R	l	z	D	h	D1	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11	40908	20	3/4"	35,00	20,00	29,50	28,00	44,00	0,093	• • •	1	150	
	40910	25	3/4"	38,00	22,00	34,00	28,00	44,00	0,101	• • •	1	150	
	40912	32	1"	49,00	31,00	43,00	34,00	52,00	0,146	• • •	1	100	
	40914	40	1 1/4"	60,00	39,50	52,00	41,00		0,313	• • •	1	50	

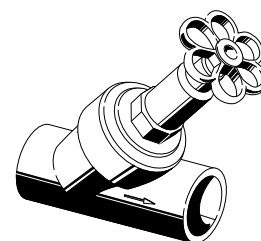
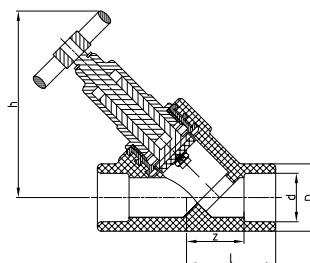
INCLINED VALVE

without drain

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R, brass

Colour: green



SDR	Art.-No.	d	l	z	D	h	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11	41108	20	45,00	30,50	34,00	95,50	0,294	• • •	1	100	
	41110	25	45,00	29,00	34,00	95,50	0,283	• • •	1	80	
	41112	32	56,00	38,00	43,00	111,50	0,421	• • •	1	50	
	41114	40	65,00	44,50	52,00	135,00	0,834	• • •	1	25	

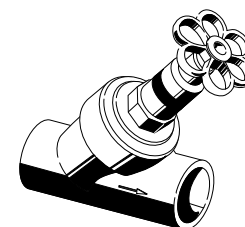
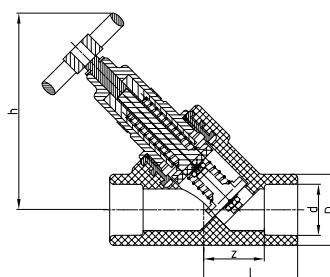
NON-RETURN VALVE

without drain

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R, brass

Colour: green



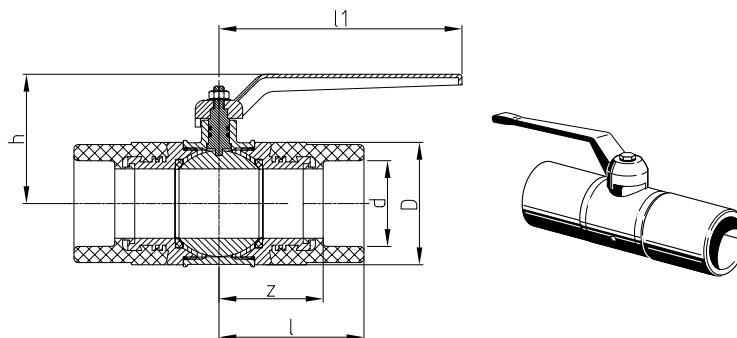
SDR	Art.-No.	d	l	z	D	h	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11	41208	20	45,00	30,50	34,00	95,50	0,297	• • •	1	80	
	41210	25	45,00	29,00	34,00	95,50	0,292	• • •	1	80	
	41212	32	56,00	38,00	43,00	111,50	0,432	• • •	1	50	
	41214	40	65,00	44,50	52,00	135,00	0,840	• • •	1	25	

BALL VALVE PP/BRASS

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R, brass

Colour: green



SDR	Art.-No.	d	l	z	D	h	l1	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11	41308	20	55,00	40,50	32,00	66,00	85,00	0,280	• • •	1	100	
	41310	25	55,00	39,00	41,00	73,00	85,00	0,375	• • •	1	100	
	41312	32	63,50	45,50	47,00	82,00	108,00	0,592	• • •	1	60	
	41314	40	72,50	52,00	58,00	93,00	108,00	1,015	• • •	1	40	
	41316	50	83,50	60,00	70,50	114,00	140,00	1,689	• • •	1	25	
	41318	63	102,50	75,00	87,00	132,00	140,00	2,874	• • •	1	15	

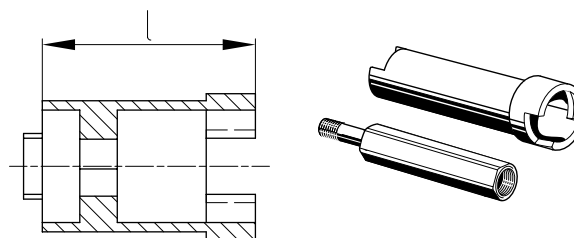
EXTENSION FOR AQUATHERM GREEN PIPE-BALL VALVE

chromium-plated for Art.-No. 41308-41318

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: brass

Colour: chrom



Art.-No.	l	for Art.-No.	Weight [kg]	System	PU	Box unit	Price € m/pc
41378	35,00	41308 / 41310	0,120	• • •	1		
41382	35,00	41312 / 41314	0,120	• • •	1		
41386	46,00	41316 / 41318	0,273	• • •	1		

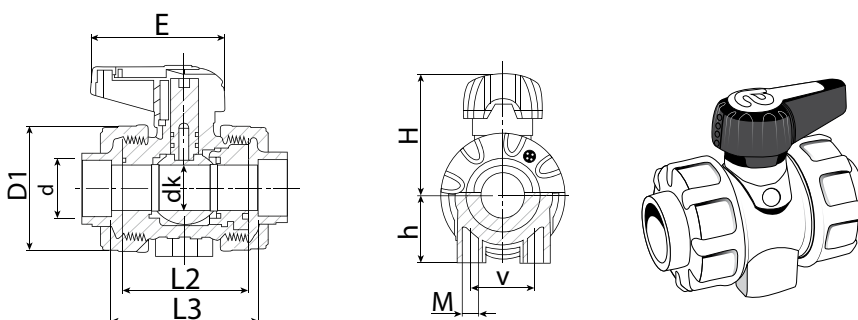
PP-BALL VALVE

with union nut and welding socket

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R

Colour: green



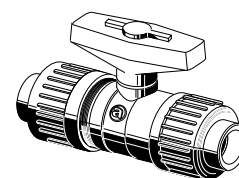
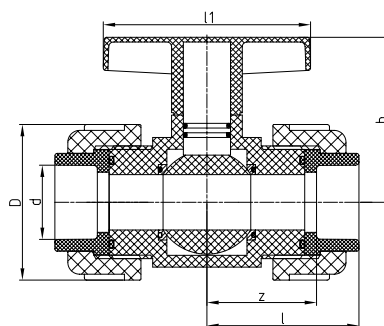
SDR	Art.-No.	d	dk	D1	E	h	H	L2	L3	DN	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11	41488	20	13,5	50,30	66	27,00	48	56,50	68,00	15	0,118	• • •	1	200	
	41490	25	18,5	59,00	81	30,00	56,5	65,50	78,50	20	0,188	• • •	1	120	
	41492	32	23,9	70,30	81,5	40,00	64,5	72,00	84,50	25	0,277	• • •	1	80	
	41494	40	31,0	85,90	91,5	46,00	83,3	85,00	100,00	32	0,434	• • •	1	55	
	41496	50	38,5	99,50	91,5	55,00	89,4	89,00	107,00	40	0,549	• • •	1	45	
	41498	63	50,0	125,50	141,5	70,00	115	101,00	118,00	50	0,922	• • •	1	25	

PP-BALL VALVE*with union nut and welding socket*

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R

Colour: green



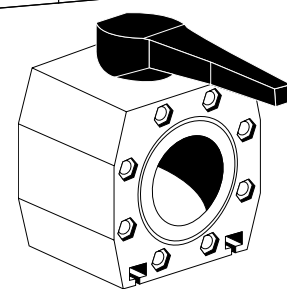
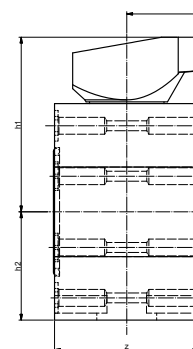
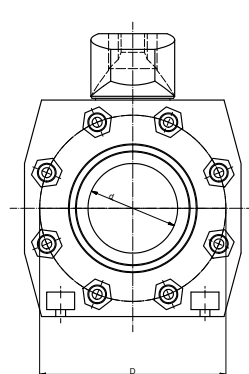
SDR	Art.-No.	d	l	z	D	h	l1	Inch R	DN	Weight [kg]	System	PU	Box unit	Price € m/pc
6	41400	75	138,00	108,00	129,00	137,00	186,00		65	2,441	• • •	1	10	
7.4														
9														
11														

PP-BALL VALVE*with flange connection on both sides*

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R

Colour: green



SDR	Art.-No.	for ø	d	l	z	D	h1	h2	DN	Weight [kg]	System	PU	Box unit	Price € m/pc
6	41602	90	77	210,00	124,00	160,00	150,00	93,00	80	4,196	• • •	1		
7.4	41604	110	94	260,00	145,00	180,00	165,00	103,00	100	5,612	• • •	1		
9	41607	160	135	310,00	205,00	240,00	210,00	136,50	150	13,420	• • •	1		
11														

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

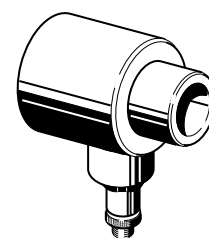
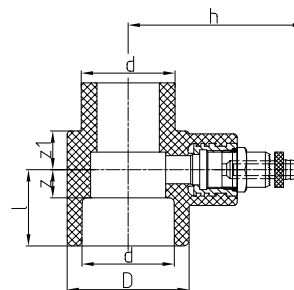
NOTICE: These are not included in delivery.

DRAINING BRANCH*to weld in aquatherm green pipe valves*

Systems: aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material: Fusiolen® PP-R, brass

Colour: green



SDR	Art.-No.	d	z	l	D	z1	h	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11	41408	20	11,50	26,00	34,00	16,50	67,00	0,098	• • •	1	200	
	41410	25	10,00	26,00	34,00	16,50	67,00	0,096	• • •	1	200	
	41412	32	14,00	32,00	43,00	17,00	70,50	0,118	• • •	1	150	
	41414	40	12,00	32,50	52,00	16,50	76,50	0,140	• • •	1	100	
	41416	50	15,50	39,00	68,00	17,00	83,75	0,202	• • •	1	40	
	41418	63	16,50	44,00	84,00	16,50	93,00	0,288	• • •	1	25	

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 € m/pc
50102	ø 16 - 40 mm	1		
50105	ø 50 - 125 mm	1		
50106	ø 110 - 160 mm	1		

PIPE CUTTER

Art.-No.	for pipe dimensions	PU	Box unit	Price € m/pc
50104	ø 16 - 40 mm	1		

ORBITAL CIRCULAR SAW

Art.-No.	for pipe dimensions	PU	Box unit	Price € m/pc
50108	ø 160 - 355 mm	1		

This orbital circular saw can be ordered directly from Rothenberger with Art.-No. 5.5620 (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 € m/pc
50107	ø 125 mm	22,2 mm	1		
50109	ø 230 mm	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 € m/pc
50336	ø 16 - 32 mm	1		

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

MANUAL WELDING DEVICE (800 W)

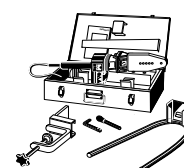
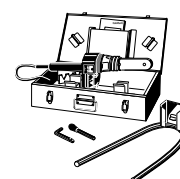
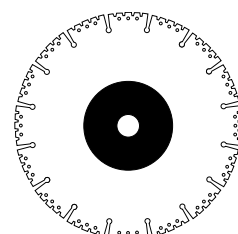
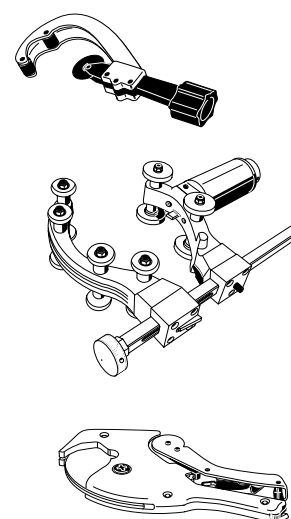
Art.-No.	for pipe dimensions	PU	Box unit	Price € m/pc
50337	ø 16 - 63 mm	1		

for two tools, with base and case for tools
Also available: 110 V (art.-no. 450337)

MANUAL WELDING DEVICE (1400 W)

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

with base and case for tools, including handle
Also available: 110 V (art.-no. 450341)



WELDING MACHINE (1400 W)

Art.-No.	for pipe dimensions	PU	Box unit	Price € m/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 € m/pc
50145	ø 63 - 125 mm	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	PU	Box unit	Price € m/pc
50159	ø 63 - 125 mm	1		

including standby accumulator, charging station and metal case

BASE FOR ART.-NO. 50159

Art.-No.	Dimension	PU	Box unit	Price € m/pc
50151		1		

BUTT WELDING MACHINES ROTHENBERGER

Art.-No.	for pipe dimensions	PU	Box unit	Price € m/pc
50163 *	ø 160 - 250 mm	1		
50178	ø 160 - 355 mm	1		

including wooden transport box.

The butt welding machine can be obtained directly from Rothenberger (www.rothenberger.com)

* Also available: 110 V (art.-no. 450163)

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

Art.-No.	for pipe dimensions	PU	Box unit	Price € m/pc
50330	Ø 50 - 160 mm	1		

BUTT WELDING MACHINES RITMO

Art.-No.	for pipe dimensions	PU	Box unit	Price € m/pc
50165 *	ø 160 - 250 mm	1		
50166 *	ø 160 - 315 mm	1		
50177	ø 160 - 355 mm	1		
50169	ø 400 - 630 mm	1		

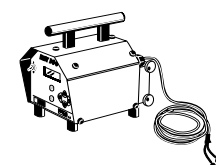
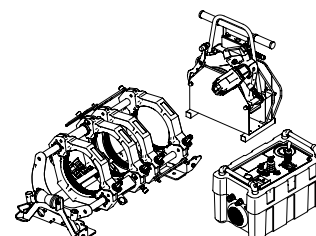
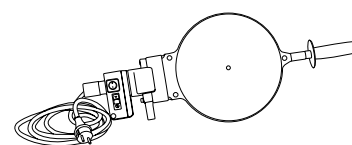
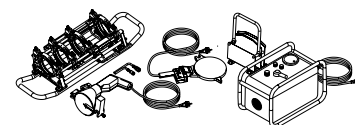
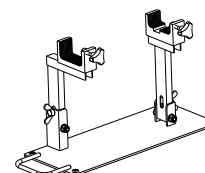
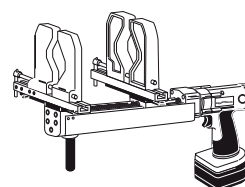
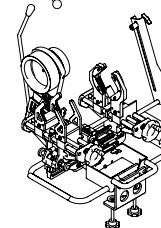
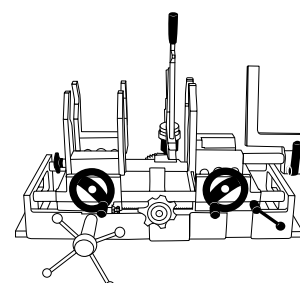
including wooden transport box. The butt welding machine can be obtained directly from Ritmo (www.ritmo.it)

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

ELECTROFUSION DEVICE

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

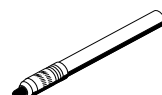
For processing with electro-fusion-sockets Art.-No. 17208-17238.
Special calibration-tools - obtainable on request - are required



TEMPERATURE PENCIL

Art.-No.	Dimension	PU	Box unit	Price € m/pc
50190		1		

to check the correct welding temperature



SURFACE THERMOMETER

Art.-No.	Dimension	PU	Box unit	Price € m/pc
50188		1		

to check the correct welding temperature



TEMPERATURE PREDECTIVE GLOVE

for tool change

Art.-No.	Dimension	PU	Box unit	Price € m/pc
50195		2		



CLEANING WIPES

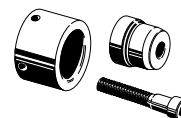
Art.-No.	Dimension	PU	Box unit	Price € m/pc
50193	Box with 100 towels	1		

for electrofusion sockets



WELDING TOOLS

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



REPAIR SET

Art.-No.	Dimension	PU	Box unit	Price € m/pc
50307	7 mm	1		
50311	11 mm	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 € m/pc
60600	7/11 mm	10		



aquatherm UNIVERSAL PEELING TOOLS

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

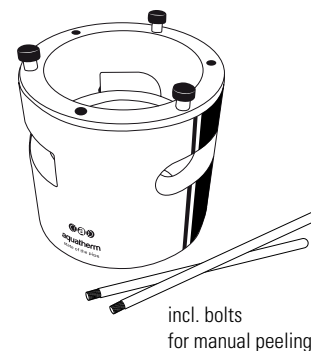


Required for the socket welding

(in combination with socket welding fittings from page 18 onwards, e.g. sockets, elbows, T-pieces, transition pieces with thread)

Also suitable for manual peeling (bolts included)

Art.-No.	Dimension	PU	Box unit	Price € m/pc
50479	20 mm	1		
50480	25 mm	1		
50481	32 mm	1		
50482	40 mm	1		
50483	50 mm	1		
50484	63 mm	1		
50485	75 mm	1		
50486	90 mm	1		
50487	110 mm	1		
50488	125 mm	1		

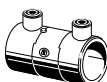


not suitable for aquatherm green pipe S, aquatherm blue pipe S, aquatherm green pipe MF, aquatherm blue pipe MF, aquatherm green pipe MF RP, aquatherm green pipe TI, aquatherm blue pipe TI

S = single, **MF** = multilayer faser, **MS** = multilayer stabi, **OT** = oxygen tight, **UV** = ultraviolet protected, **TI** = thermal insulation, **RP** = raised pressure

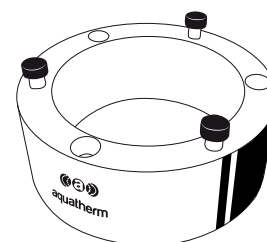
aquatherm EXTENSION FOR UNIVERSAL PEELING TOOL

Required for the electrofusion socket welding
(aquatherm electrofusion sockets on page 40)



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 € m/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		

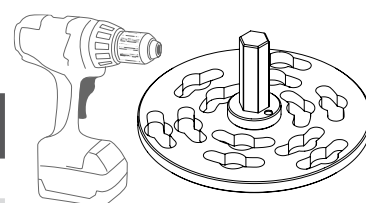


ATTACHMENT PLATE FOR UNIVERSAL PEELING TOOL

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

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

Delivery without drilling machine!



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, aquatherm blue pipe MF and aquatherm blue pipe MF TI

Required to remove the **oxid coating**
(aquatherm electrofusion sockets on page 40)



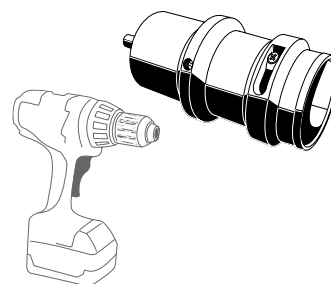
Art.-No.	Dimension	PU	Box unit	Price € m/pc
<i>In combination with a drilling machine</i>				
50558	20 mm	1		
50560	25 mm	1		
50562	32 mm	1		
50564	40 mm	1		
50566	50 mm	1		
50568	63 mm	1		
50570	75 mm	1		
50572	90 mm	1		

For manual peeling

50574	110 mm	1		
50576	125 mm	1		
50580	160 mm	1		

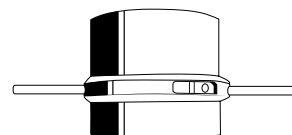
For manual peeling

50592	200 + 250 mm	1		
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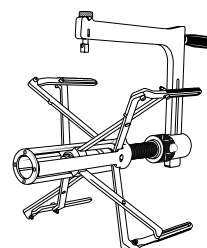


Art.-No. 50558-50572

In combination with a
drilling machine (not included!)



Art.-No. 50574-50580



Art.-No. 50592

Not suitable for aquatherm green pipe UV, aquatherm blue pipe UV, aquatherm blue pipe OT and aquatherm green pipe MS

S = single, **MF** = multilayer faser, **MS** = multilayer stabi, **OT** = oxygen tight, **UV** = ultraviolet protected, **TI** = thermal insulation, **RP** = raised pressure

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

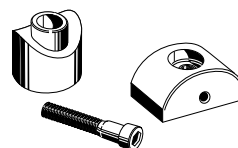
aquatherm green pipe

aquatherm blue pipe

aquatherm lilac pipe

SADDLE WELDING TOOLS*for welding saddles*

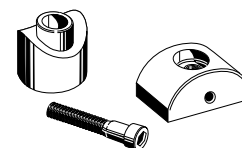
Art.-No.	Dimension	PU	Box unit	Price € m/pc
50614	40 x 20/25 mm	1		
50616	50 x 20/25 mm	1		
50619	63 x 20/25 mm	1		
50620	63 x 32 mm	1		
50623	75 x 20/25 mm	1		
50624	75 x 32 mm	1		
50625	75 x 40 mm	1		
50627	90 x 20/25 mm	1		
50628	90 x 32 mm	1		
50629	90 x 40 mm	1		
50631	110 x 20/25 mm	1		
50632	110 x 32 mm	1		
50634	110 x 40 mm	1		
50635	110 x 50 mm	1		
50636	125 x 20/25 mm	1		
50638	125 x 32 mm	1		
50640	125 x 40 mm	1		
50642	125 x 50 mm	1		
50644	125 x 63 mm	1		
50648	160 x 20/25 mm	1		
50650	160 x 32 mm	1		
50652	160 x 40 mm	1		
50654	160 x 50 mm	1		
50656	160 x 63 mm	1		
50657	160 x 75 mm	1		
50658	160 x 90 mm	1		
50660	200 x 20/25 mm	1		
50662	200 x 32 mm	1		
50664	200 x 40 mm	1		
50666	200 x 50 mm	1		
50667	200 x 75 mm	1		
50668	200 x 63 mm	1		
50669	200 x 90 mm	1		
50670	200 x 110 mm	1		
50671	200 x 125 mm	1		
50672	250 x 20/25 mm	1		
50674	250 x 32 mm	1		
50676	250 x 40 mm	1		
50678	250 x 50 mm	1		
50680	250 x 63 mm	1		
50682	250 x 75 mm	1		



SADDLE WELDING TOOLS

for welding saddles

Art.-No.	Dimension	PU	Box unit	Price € m/pc
50684	250 x 90 mm	1		
50686	250 x 110 mm	1		
50688	250 x 125 mm	1		
50690	315 x 63 mm	1		
50692	315 x 75 mm	1		
50694	315 x 90 mm	1		
50696	315 x 110 mm	1		
50698	315 x 125 mm	1		
50699	315 x 160 mm	1		
50712	355 x 63 mm	1		
50714	355 x 75 mm	1		
50716	355 x 90 mm	1		
50718	355 x 110 mm	1		
50720	355 x 125 mm	1		
50722	355 x 160 mm	1		
50726	400-630 x 63 mm	1		
50728	400-500 x 75 mm	1		
50730	560-630 x 75 mm	1		
50732	400-500 x 90 mm	1		
50734	560-630 x 90 mm	1		
50736	400-450 x 110 mm	1		
50738	500-560 x 110 mm	1		
50740	630 x 110 mm	1		
50742	400 x 125 mm	1		
50744	450-500 x 125 mm	1		
50746	560-630 x 125 mm	1		



aquatherm green pipe

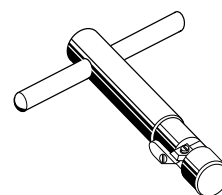
aquatherm blue pipe

aquatherm lilac pipe

CHAMFERING DEVICES

Art.-No.	Dimension	PU	Box unit	Price € m/pc
50910	20 & 25 mm	1		
50912	32 mm	1		
50914	40 mm	1		

for removal of the aluminium swarfs at the drill hole only with stabi-composite pipes - to prepare the saddle welding



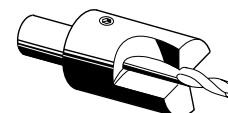
Only for stabi-composite pipes!

DRILLS for installation of weld-in saddles

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

* may only be used in fixed drilling machines!

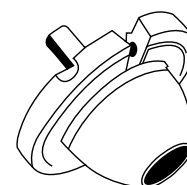
50950**	75 mm	1		
50952**	90 mm	1		
50954**	110 mm	1		
50956**	125 mm	1		
50958**	160 mm	1		



** tool holder MK4

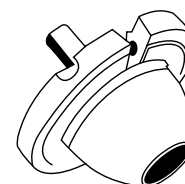
SADDLE PEELING TOOLS FOR aquatherm blue pipe OT PIPES Ø 50-125 mm

Art.-No.	Dimension	PU	Box unit	Price € m/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 aquatherm blue pipe OT PIPES Ø 160-250 mm

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





TOOLS AND EQUIPMENT

The following tables provide an overview of necessary tools and equipment for different processing methods and welding methods of the aquatherm systems. For proper and professional processing of the aquatherm PP-R medium pipes only original aquatherm welding machines and welding tools should be used, respectively devices and tools released by aquatherm.

p. 68/69
 Welding process for pipes **with** additional outer layer / protection layer

- aquatherm green pipe**
 SDR 7,4 MS & SDR 7,4/9 MF UV
- aquatherm blue pipe**
 SDR 7,4/11/17,6 MF UV & SDR 7,4/11 MF OT

p. 70/71
 Welding process for pipes **without** additional outer layer / protection layer

- aquatherm green pipe**
 SDR 6/7,4/11 S & SDR 7,4 MF & SDR 9 MF RP
- aquatherm blue pipe**
 SDR 11 S & SDR 7,4/11/17,6 MF
- aquatherm lilac pipe**
 SDR 7,4/11 S

p. 72
 Sliding sleeve technology (see also p. 87)

- aquatherm grey pipe**
 PB-connection pipe 16-25 mm
 Multi-layer metal composite pipe 16-40 mm
- aquatherm orange system**
 PE-RT-pipe 10-25 mm
 PB-pipe 16&17 mm
- aquatherm black system**
 Drywall-heating element with sliding sleeve connection

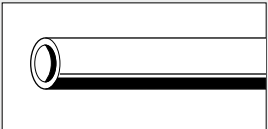
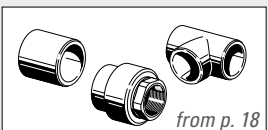
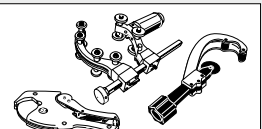
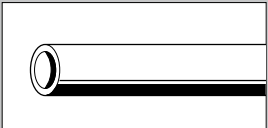
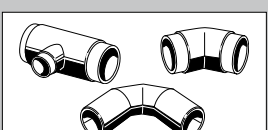
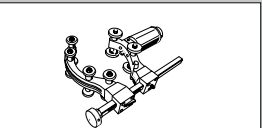
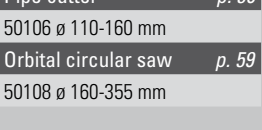
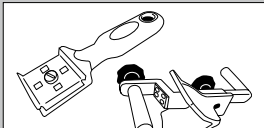
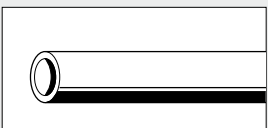
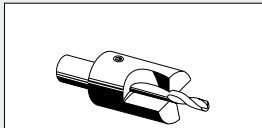
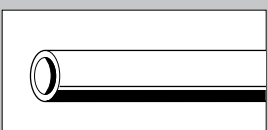
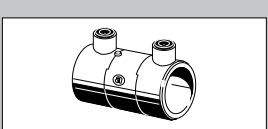
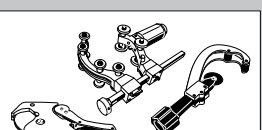
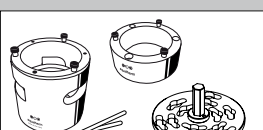
short cuts structure of pipe	
S	single
M	multilayer
MF	multilayer faser
MS	multilayer stabi
OT	oxygen tight
UV	UV resistant
TI	thermal insulation
HI	hardly inflammable

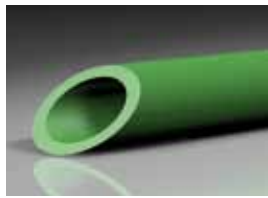
WELDING PROCESS TOOLS AND EQUIPMENT

for pipes *with* additional outer layer / protection layer

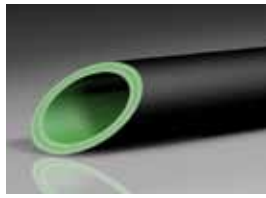
aquatherm green pipe SDR 7,4 MS & SDR 7,4/9 MF UV

aquatherm blue pipe SDR 7,4/11/17,6 MF UV & SDR 7,4/11 MF OT

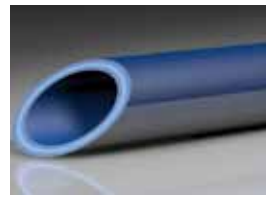
	PIPES & FITTINGS	CUTTING	PEELING	DRILLING	SADDLE PEELING / CHAMFERING
1	1. SOCKET WELDING 16-125 mm				
	 Pipes specified above  Socket welding fittings <i>from p. 18</i>	 Pipe cutter <i>p. 59 / 104</i> 50104 ø 16-40 mm 50102 ø 16-40 mm 50105 ø 50-125 mm 50106 ø 110-160 mm	 Universal peeling tool <i>p. 62</i> 50479-50488 20-125 mm (16 mm on request) + (opt.) Attachment plate* <i>p. 62</i> 50499/50500		
2	2. BUTT WELDING 160-630 mm				
	 Pipes specified above  Butt welding fittings <i>from p. 20</i>	 Pipe cutter <i>p. 59</i> 50106 ø 110-160 mm  Orbital circular saw <i>p. 59</i> 50108 ø 160-355 mm			 Scraper/Chamfering tool <i>for OT-pipes</i> <i>not available with aquatherm!</i> Cutter for UV-pipes <i>not available with aquatherm!</i>
3	3. SADDLE WELDING 20-160 mm				
	 Pipes specified above  Weld-in saddles <i>from p. 34</i>			 Drill <i>S. 66</i> 50940-50958 20-160 mm	<i>for OT pipes</i>  <i>p. 66</i> Saddle welding tools * 50921-50928 for ø 50-125 mm 50421-50428 for ø 160-250 mm <i>for MS pipes</i>  <i>p. 66</i> Chafering device 50910-50914 for ø 20-40 mm
4	4. ELECTROFUSION SOCKET WELDING 20-125 mm				
	 Pipes specified above  Electrofusion sockets <i>p. 40</i>	 Pipe cutter <i>p. 59 / 104</i> 50104 ø 16-40 mm 50102 ø 16-40 mm 50105 ø 50-125 mm 50106 ø 110-160 mm	 Universal peeling tool <i>p. 62</i> 50479-50488 for ø 20-125 mm + Extension <i>p. 62</i> 50489-50498 + (opt.) Attachment plate* <i>p. 62</i> 50499/50500		
	PIPES & FITTINGS	CUTTING	PEELING	DRILLING	SADDLE PEELING / CHAMFERING



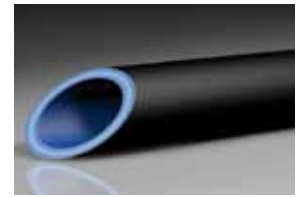
aquaTherm green pipe
SDR 7.4 MS
Page 11



aquaTherm green pipe
SDR 7.4/9 MF UV
Page 9



aquaTherm blue pipe
SDR 7.4/11 MF OT
Page 15



aquaTherm blue pipe
SDR 7.4/11/17.6 MF UV
Page 14

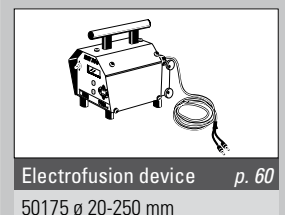
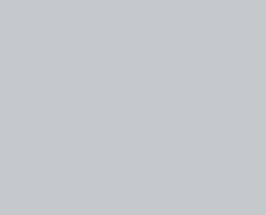
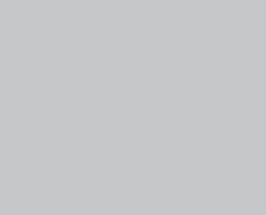
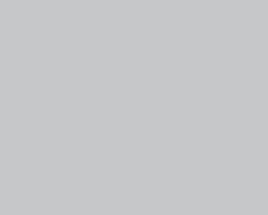
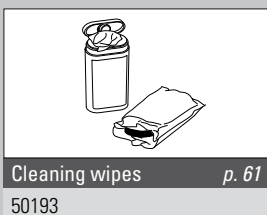
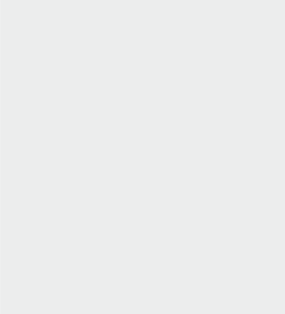
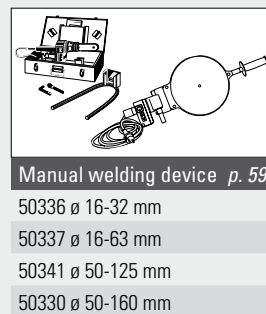
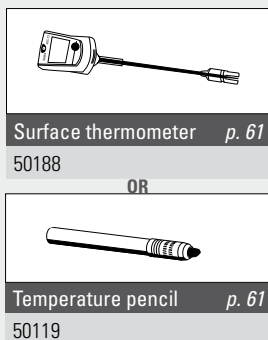
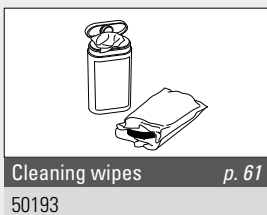
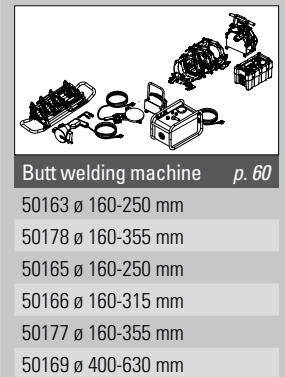
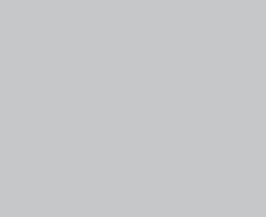
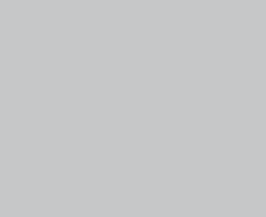
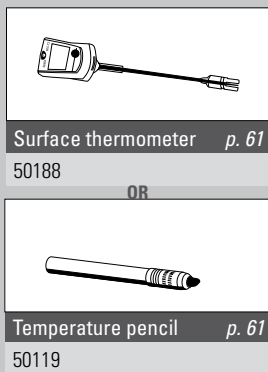
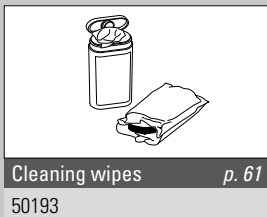
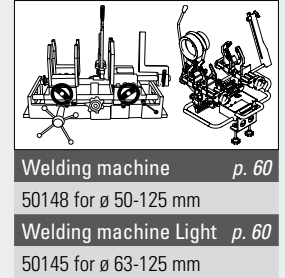
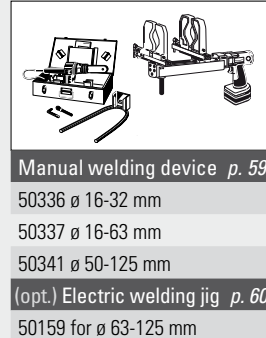
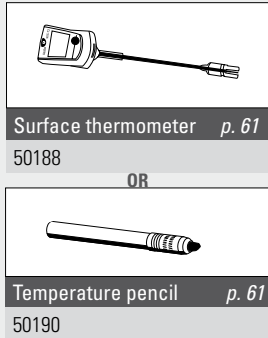
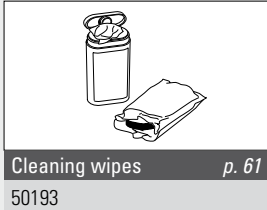
CLEANING

MEASUREMENT OF TEMPERATURE

WELDING TOOLS

MANUAL WELDING DEVICES OR

WELDING MACHINES



CLEANING

MEASUREMENT OF TEMPERATURE

WELDING TOOLS

MANUAL WELDING DEVICES OR

WELDING MACHINES

WELDING PROCESS TOOLS AND EQUIPMENT

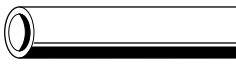
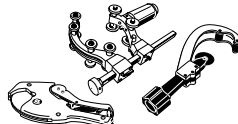
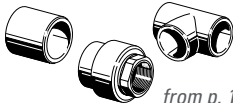
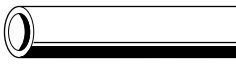
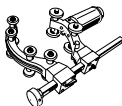
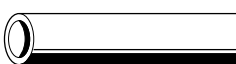
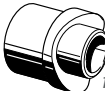
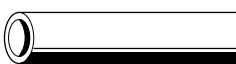
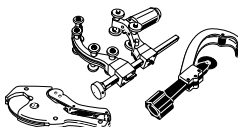
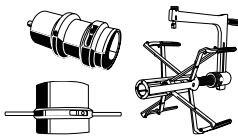
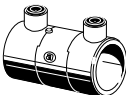
for pipes *without* additional outer layer / protection layer

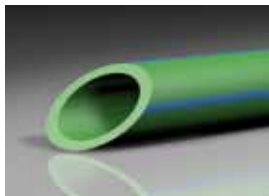
aquatherm green pipe SDR 6/7,4/11 S & SDR 7,4 MF & SDR 9 MF RP

aquatherm blue pipe SDR 11 S & SDR 7,4/11/17,6 MF



aquatherm green pipe
SDR 6/7,4 S
Page 10-11

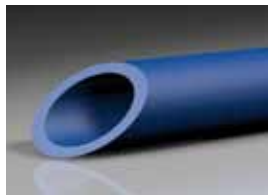
PIPES & FITTINGS		CUTTING	PEELING	DRILLING	SADDLE PEELING / CHAMFERING
1. SOCKET WELDING 16-125 mm					
 Pipes specified above	 Pipe cutter <i>p. 59 / 104</i> 50104 ø 16-40 mm 50102 ø 16-40 mm 50105 ø 50-125 mm 50106 ø 110-160 mm				
 Socket welding fittings <i>from p. 18</i>					
2. BUTT WELDING 160-630 mm					
 Pipes specified above	 Pipe cutter <i>p. 59</i> 50106 ø 110-160 mm Orbital circular saw <i>p. 59</i> 50108 ø 160-355 mm				
 Butt welding fittings <i>from p. 20</i>					
3. SADDLE WELDING 20-160 mm					
 Pipes specified above			 Drill <i>S. 66</i> 50940-50958 20-160 mm		
 Weld-in saddles <i>from p. 34</i>					
4. ELECTROFUSION SOCKET WELDING 20-250 mm					
 Pipes specified above	 Pipe cutter <i>p. 59 / 104</i> 50104 ø 16-40 mm 50102 ø 16-40 mm 50105 ø 50-125 mm 50106 ø 110-160 mm	 Peeling tools * <i>p. 63</i> 50558-50572 20-90 mm Manual peeling tools <i>p. 63</i> 50574-50592 110-250 mm			
 Electrofusion sockets <i>p. 40</i>					
PIPES & FITTINGS		CUTTING	PEELING	DRILLING	SADDLE PEELING / CHAMFERING



aquaTherm green pipe
SDR 11 S
Page 10-11



aquaTherm green pipe
SDR 7.4 MF / SDR 9 MF RP
Page 8



aquaTherm blue pipe
SDR 11 S
Page 15



aquaTherm blue pipe
SDR 7.4/11/17.6 MF
Page 13



aquaTherm lilac pipe
SDR 7.4/11 S
Page 16

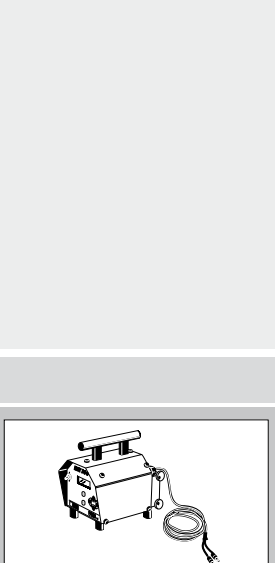
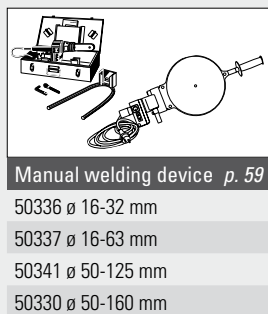
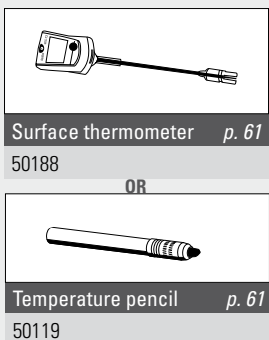
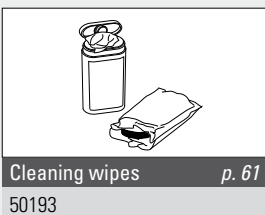
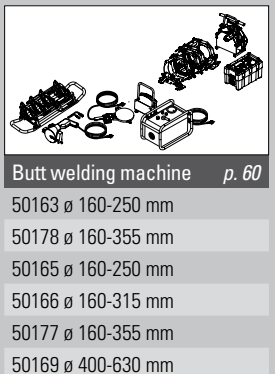
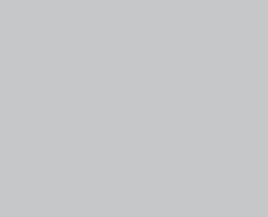
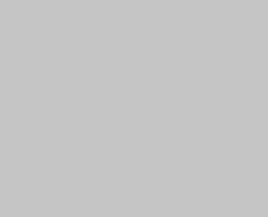
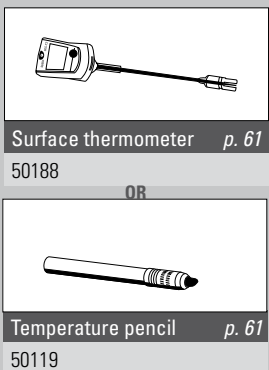
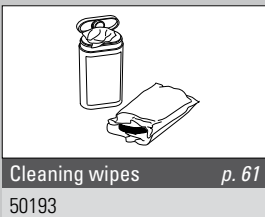
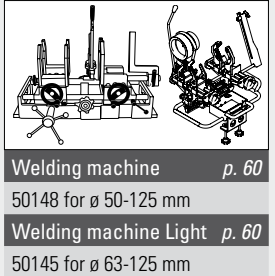
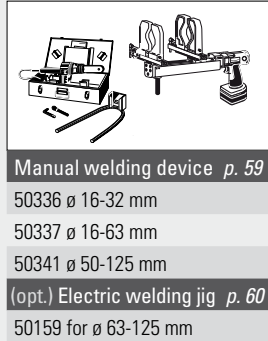
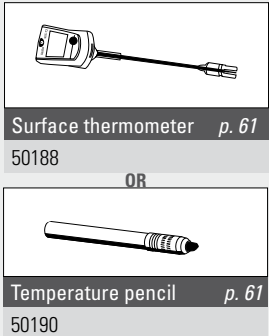
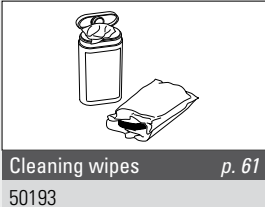
CLEANING

MEASUREMENT OF TEMPERATURE

WELDING TOOLS

MANUAL WELDING DEVICES OR

WELDING MACHINES



CLEANING

MEASUREMENT OF TEMPERATURE

WELDING TOOLS

MANUAL WELDING DEVICES OR

WELDING MACHINES

SLIDING SLEEVE TECHNOLOGY TOOLS AND EQUIPMENT

aquatherm grey pipe

PB-connection pipe 16-25 mm

Multi-layer metal composite pipe 16-40 mm

aquatherm orange system

PE-RT-pipe 10-25 mm

PB-pipe 16&17 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 16-40 mm

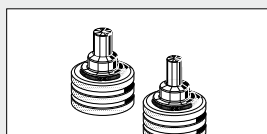


Pipes specified above



from p. 110

Fittings with sliding sleeves

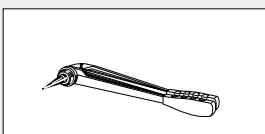


False jaws

p. 104

50857-50864

ø 16-40 mm

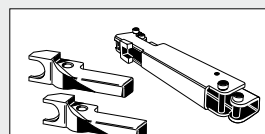


Expanding tool

p. 104

50800

ø 10-40 mm



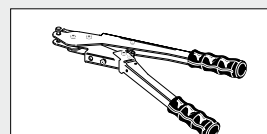
Tool insert

p. 106

50824-50834 for ø 10-40 mm

+(opt.) Angle attachment p. 105

50803



Mounting tool

p. 105

50802

ø 10-40 mm

OR

2. MACHINE ASSEMBLY MULTI-LAYER METAL COMPOSITE PIPE 16-40 mm

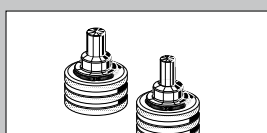


Pipes specified above



from p. 110

Fittings with sliding sleeves

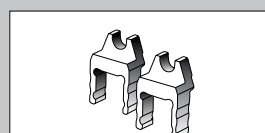


False jaws

p. 104

50857-50864

ø 16-40 mm

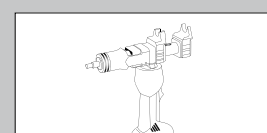


Tool inserts

p. 105

50875-50882

ø 16-40 mm



Hydraulic accumulator mounting tool

p. 105

50809

ø 16-40 mm

PIPES & FITTINGS

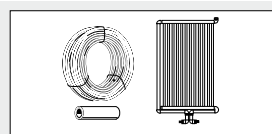
FALSE JAWS

EXPANDING

TOOL INSERTS

MOUNTING

3. MANUAL ASSEMBLY PB-PIPE 16-25 mm, PE-RT-PIPE 10-25 mm, DRY WALL HEATING ELEMENT sliding sleeve connection

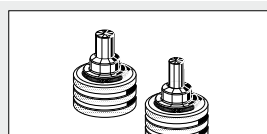


Pipes specified above



from p. 110

Fittings with sliding sleeves

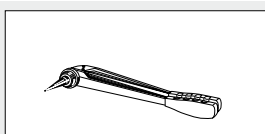


False jaws

p. 104

50814-50820

ø 10-25 mm

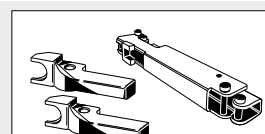


Expanding tool

S. 104

50800

ø 10-40 mm



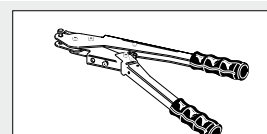
Tool insert

p. 106

50824-50834 for ø 10-40 mm

+(opt.) Angle attachment p. 105

50803



Mounting tool

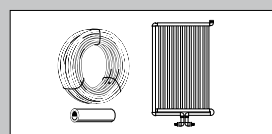
p. 105

50802

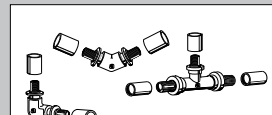
ø 10-40 mm

OR

4. MACHINE ASSEMBLY PB PIPE 16-25 mm, PE-RT PIPE 10-25 mm, DRY WALL HEATING ELEMENT sliding sleeve connection

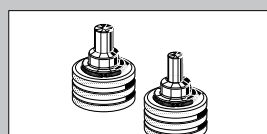


Pipes specified above



from p. 110

Fittings with sliding sleeves

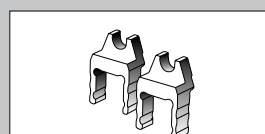


False jaws

p. 104

50814-50820

ø 10-25 mm

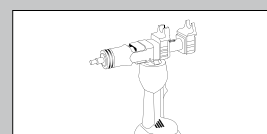


Tool inserts

p. 105

50875-50882

ø 16-40 mm

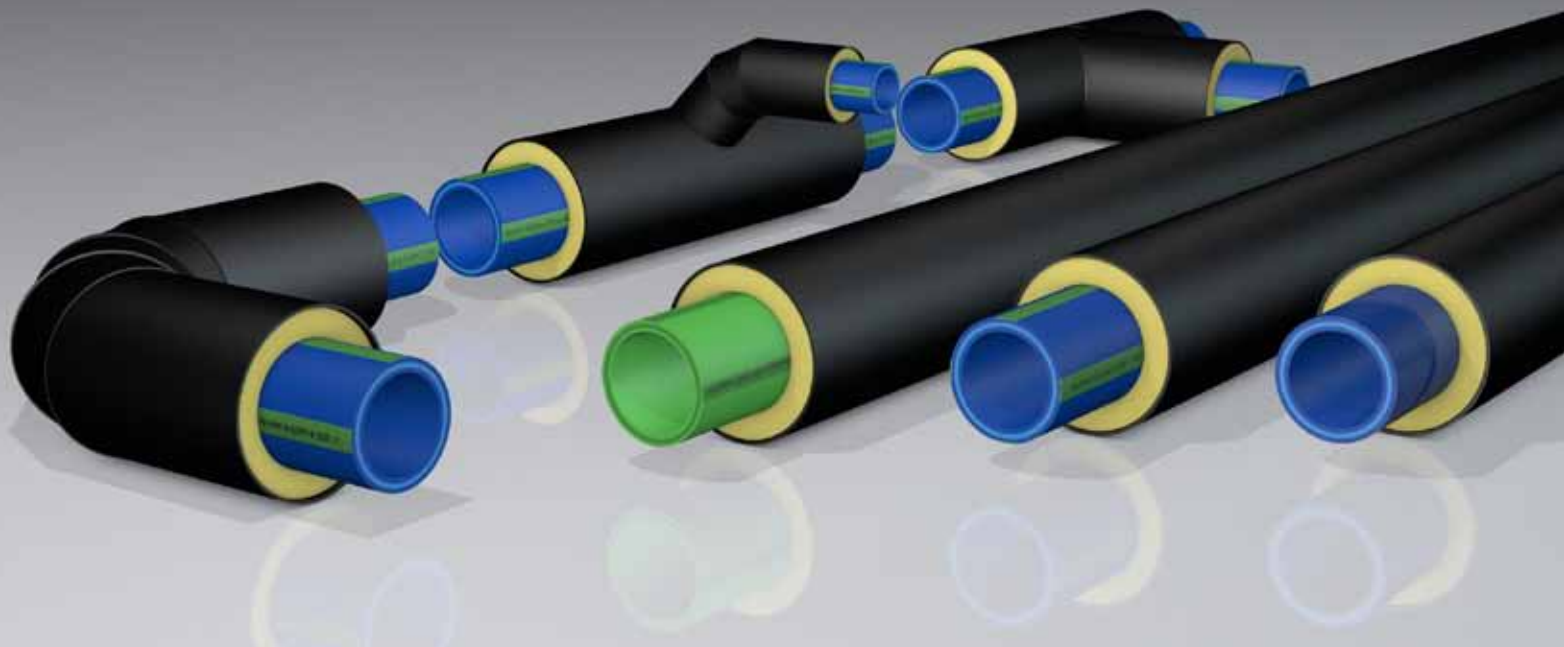


Hydraulic accumulator mounting tool

p. 105

50809

ø 16-40 mm



aquatherm ti

PRE-INSULATED PIPE SYSTEMS FOR DISTRICT HEATING

One of the most energy-efficient methods of transporting hot potable water as well as heating or cooling water covering long distances is the application of underground piping. To achieve the necessary insulating characteristics for this type of application, aquatherm offers the factory-made pre-insulated aquatherm ti pipe system with different medium pipes.

aquatherm green pipe ti

faser composite pipe system SDR 9 in dimensions 32-250 mm
pipe system for potable water

aquatherm blue pipe ti

faser composite pipe system SDR 11 in dimensions 32-315 mm and
faser composite pipe system SDR 17.6 in dimensions 160-315 mm
for heating, cooling and waste water

aquatherm blue pipe ot ti

faser composite pipe system SDR 7.4/11 in dimensions 32-250 mm
oxygen-tight pipe system for heating- and industrial water

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 (0) 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 considering the material resistance	●	●	●

- 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 160-315 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 SDR9*

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 with 4 wide green stripes

aquatherm blue pipe ot *faser-composite pipe SDR 7.4/SDR11*

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

The manufacturer's operating instructions are valid.

INSULATION

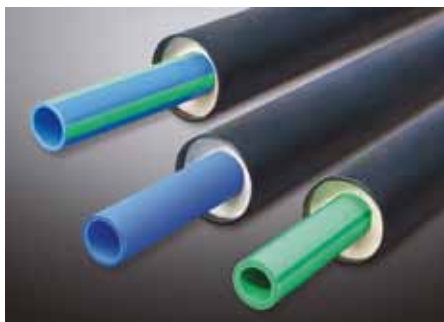
aquatherm ti pipes and fittings are insulated with polyurethane rigid foam (PUR), tested according to EN253. In the production line discontinuously foamed between medium and casing pipe, a high-class insulation with outstanding thermal conductivity $\lambda_{\text{PUR}}=0,0275 \text{ W/mK}$ and low specific 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 $\lambda_{\text{PE80}} = 0,38 \text{ W/mK}$.

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		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11 / *SDR 7.4		aquatherm blue pipe ti SDR 17.6		PU	Box unit
Medium pipe	Casing pipe	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	m/pc	
32 mm	90 mm	1370711		2270111		2470711*				5,8	
40 mm	110 mm	1370713		2270113		2470113				5,8	
50 mm	110 mm	1370715		2270115		2470115				5,8	
63 mm	125 mm	1370717		2270117		2470117				5,8	
75 mm	140 mm	1370719		2270119		2470119				5,8	
90 mm	160 mm	1370721		2270121		2470121				5,8	
110 mm	200 mm	1370723		2270123		2470123				5,8	
125 mm	225 mm	1370725		2270125		2470125				5,8	
160 mm	250 mm	1370729		2270129		2470129		2770129		5,8	
200 mm	315 mm	1370733		2270133		2470133		2770133		5,8	
250 mm	400 mm	1370737		2270137		2470137		2770137		5,8	
315 mm	450 mm	1370741		2270141				2770141		5,8	

On request available: aquatherm green pipe ti SDR 7.4

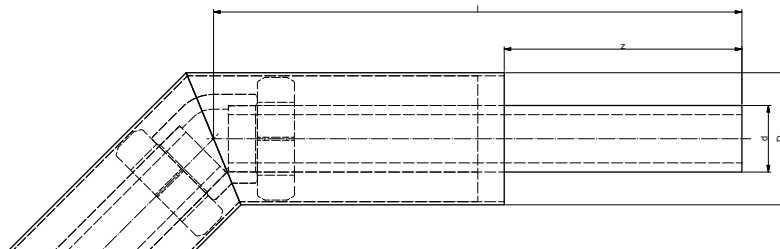
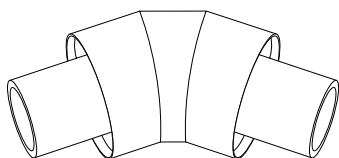
aquatherm ti

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		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11 / *SDR 7.4		aquatherm blue pipe ti SDR 17.6		PU	Box unit
Medium pipe	Casing pipe	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	m/pc	
32 mm	90 mm	1370712		2270112		2470712*				11,6	
40 mm	110 mm	1370714		2270114		2470114				11,6	
50 mm	110 mm	1370716		2270116		2470116				11,6	
63 mm	125 mm	1370718		2270118		2470118				11,6	
75 mm	140 mm	1370720		2270120		2470120				11,6	
90 mm	160 mm	1370722		2270122		2470122				11,6	
110 mm	200 mm	1370724		2270124		2470124				11,6	
125 mm	225 mm	1370726		2270126		2470126				11,6	
160 mm	250 mm	1370730		2270130		2470130		2770130		11,6	
200 mm	315 mm	1370734		2270134		2470134		2770134		11,6	
250 mm	400 mm	1370738		2270138		2470138		2770138		11,6	
315 mm	450 mm	1370742		2270142				2770142		11,6	

On request available: aquatherm green pipe ti SDR 7.4



aquatherm ti ELBOW 45° SL 500

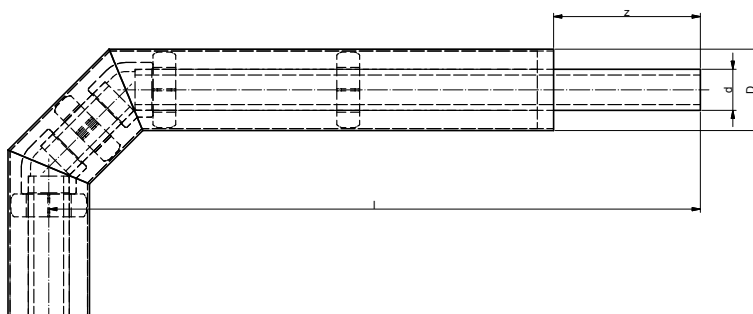
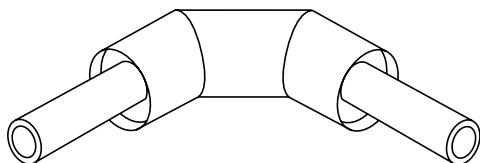
with PUR rigid foam and coated with a casing pipe made of PEHD

Outside diameter				aquatherm green pipe ti SDR 9		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11		aquatherm blue pipe ti SDR 17.6		PU	Box unit
d Medium pipe	D Casing pipe	z	l	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	m/pc	
32	90	225,00	500,00	1312512		2212512		2412512				1	
40	110	225,00	500,00	1312514		2212514		2412514				1	
50	110	225,00	500,00	1312516		2212516		2412516				1	
63	125	225,00	500,00	1312518		2212518		2412518				1	
75	140	225,00	500,00	1312520		2212520		2412520				1	
90	160	225,00	500,00	1312522		2212522		2412522				1	
110	200	225,00	500,00	1312524		2212524		2412524				1	
125	225	225,00	500,00	1312526		2212526		2412526				1	
160	250	225,00	500,00	1312530		2212531		2412531		2712530		1	
200	315	225,00	500,00	1312534		2212535		2412535		2712534		1	
250	400	225,00	500,00	1312538		2212539		2412539		2712538		1	
315	450	225,00	500,00	1312542		2212543				2712542		1	

Also available in design 15° and 30°

On request available: aquatherm green pipe ti SDR 7.4

aquatherm ti



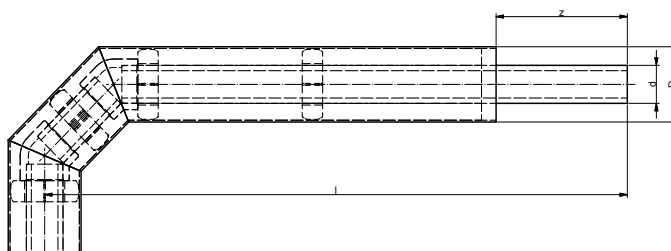
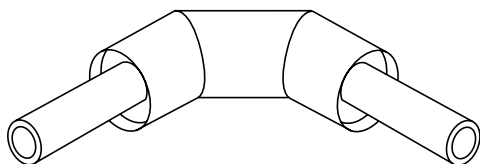
aquatherm ti ELBOW 90° SL 500

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

Outside diameter				aquatherm green pipe ti SDR 9		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11		PU	Box unit
d Medium pipe	D Casing pipe	z	l	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	m/pc	
32	90	225,00	500,00	1312212		2212212		2412212		1	
40	110	225,00	500,00	1312214		2212214		2412214		1	
50	110	225,00	500,00	1312216		2212216		2412216		1	
63	125	225,00	500,00	1312218		2212218		2412218		1	
75	140	225,00	500,00	1312220		2212220		2412220		1	

Also available in design 60° and 75°

On request available: aquatherm green pipe ti SDR 7.4



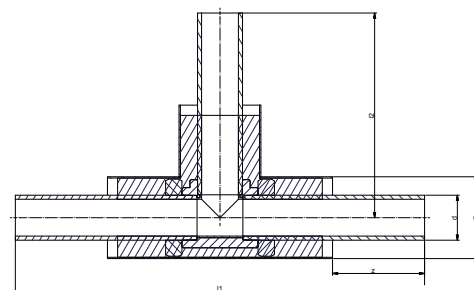
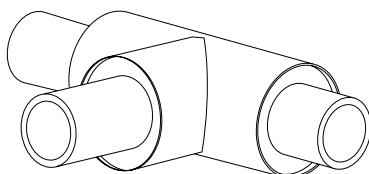
aquatherm ti ELBOW 90° SL 1000

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

Outside diameter				aquatherm green pipe ti SDR 9		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11		aquatherm blue pipe ti SDR 17.6		PU	Box unit
d Medium pipe	D Casing pipe	z	l	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	m/pc	
32	90	225,00	1000,00	1312112		2212112		2412112				1	
40	110	225,00	1000,00	1312114		2212114		2412114				1	
50	110	225,00	1000,00	1312116		2212116		2412116				1	
63	125	225,00	1000,00	1312118		2212118		2412118				1	
75	140	225,00	1000,00	1312120		2212120		2412120				1	
90	160	225,00	1000,00	1312122		2212122		2412122				1	
110	200	225,00	1000,00	1312124		2212124		2412124				1	
125	225	225,00	1000,00	1312126		2212126		2412126				1	
160	250	225,00	1000,00	1312130		2212131		2412131		2712130		1	
200	315	225,00	1000,00	1312134		2212135		2412135		2712134		1	
250	400	225,00	1000,00	1312138		2212139		2412139		2712138		1	
315	450	225,00	1000,00	1312142		2212143				2712142		1	

Also available in design 60° and 75°

On request available: aquatherm green pipe ti SDR 7.4

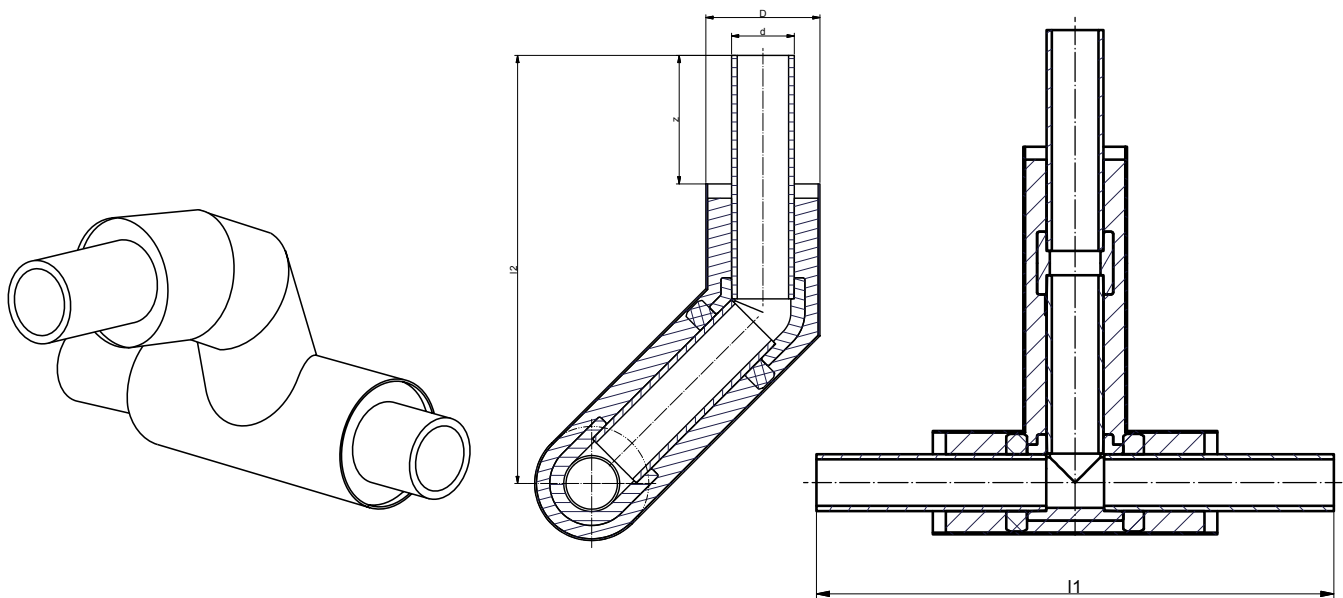


aquatherm ti BRANCH

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

Outside diameter					aquatherm green pipe ti SDR 9		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11		aquatherm blue pipe ti SDR 17.6		PU	Box unit
d Medium pipe	D Casing pipe	z	l1	l2	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	m/pc	
32	90	225,00	1000,00	500,00	1313112		2213112		2413112				1	
40	110	225,00	1000,00	500,00	1313114		2213114		2413114				1	
50	110	225,00	1000,00	500,00	1313116		2213116		2413116				1	
63	125	225,00	1000,00	500,00	1313118		2213118		2413118				1	
75	140	225,00	1000,00	500,00	1313120		2213120		2413120				1	
90	160	225,00	1000,00	500,00	1313122		2213122		2413122				1	
110	200	225,00	1000,00	500,00	1313124		2213124		2413124				1	
125	225	225,00	1000,00	500,00	1313126		2213126		2413126				1	
160	250	225,00	1000,00	500,00	1313130		2213131		2413131		2713130		1	
200	315	225,00	1500,00	750,00	1313134		2213135		2413135		2713134		1	
250	400	225,00	1500,00	750,00	1313138		2213139		2413139		2713138		1	
315	450	225,00	1500,00	750,00	1313142		2213143				2713142		1	

On request available: aquatherm green pipe ti SDR 7.4

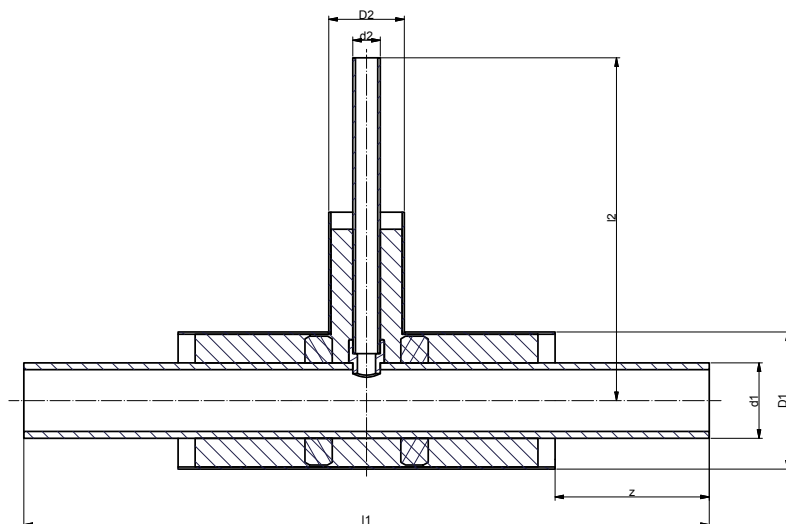
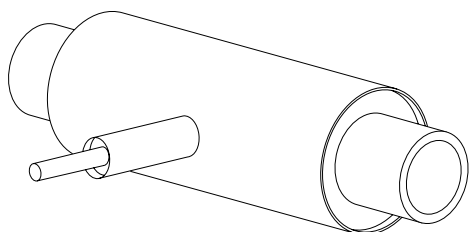


aquatherm ti CROSS-OVER BRANCH

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

Outside diameter					aquatherm green pipe ti SDR 9		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11		aquatherm blue pipe ti SDR 17.6		PU	Box unit
d Medium pipe	D Casing pipe	z	l1	l2	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	m/pc	
32	90	225,00	1000,00	750,00	1318112		2218112		2418112				1	
40	110	225,00	1000,00	750,00	1318114		2218114		2418114				1	
50	110	225,00	1000,00	750,00	1318116		2218116		2418116				1	
63	125	225,00	1000,00	750,00	1318118		2218118		2418118				1	
75	140	225,00	1000,00	750,00	1318120		2218120		2418120				1	
90	160	225,00	1000,00	750,00	1318122		2218122		2418122				1	
110	200	225,00	1000,00	750,00	1318124		2218124		2418124				1	
125	225	225,00	1000,00	750,00	1318126		2218126		2418126				1	
160	250	225,00	1000,00	1000,00	1318130		2218131		2418131		2718130		1	
200	315	225,00	1500,00	1000,00	1318134		2218135		2418135		2718134		1	
250	400	225,00	1500,00	1000,00	1318138		2218139		2418139		2718138		1	
315	450	225,00	1500,00	1250,00	1318142		2218143				2718142		1	

On request available: aquatherm green pipe ti SDR 7.4

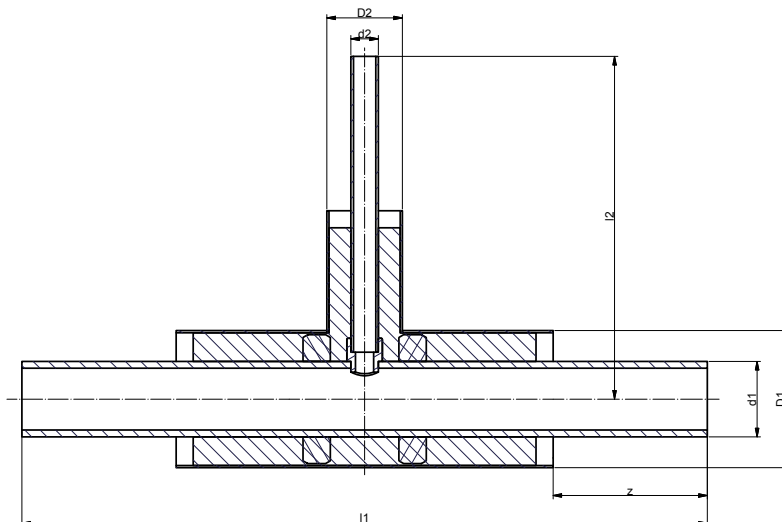
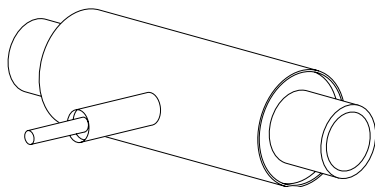


aquatherm ti RED-BRANCH SL 500

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

Outside diameter							aquatherm green pipe ti SDR 9		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11		aquatherm blue pipe ti SDR 17.6		PU	Box unit
d1 Medium pipe	d2 Medium pipe	D1 Casing pipe	D2 Casing pipe	z	l1	l2	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc		
40	32	110	90	225,00	1000,00	500,00	1313202		2213202		2413202				1	
50	32	110	90	225,00	1000,00	500,00	1313206		2213206		2413206				1	
50	40	110	110	225,00	1000,00	500,00	1313208		2213208		2413208				1	
63	32	125	90	225,00	1000,00	500,00	1313212		2213212		2413212				1	
63	40	125	110	225,00	1000,00	500,00	1313214		2213214		2413214				1	
63	50	125	110	225,00	1000,00	500,00	1313216		2213216		2413216				1	
75	32	140	90	225,00	1000,00	500,00	1313220		2213220		2413220				1	
75	40	140	110	225,00	1000,00	500,00	1313222		2213222		2413222				1	
75	50	140	110	225,00	1000,00	500,00	1313224		2213224		2413224				1	
75	63	140	125	225,00	1000,00	500,00	1313226		2213226		2413226				1	
90	32	160	90	225,00	1000,00	500,00	1313230		2213230		2413230				1	
90	40	160	110	225,00	1000,00	500,00	1313232		2213232		2413232				1	
90	50	160	110	225,00	1000,00	500,00	1313234		2213234		2413234				1	
90	63	160	125	225,00	1000,00	500,00	1313236		2213236		2413236				1	
90	75	160	140	225,00	1000,00	500,00	1313238		2213238		2413238				1	
110	32	200	90	225,00	1000,00	500,00	1313242		2213242		2413242				1	
110	40	200	110	225,00	1000,00	500,00	1313244		2213244		2413244				1	
110	50	200	110	225,00	1000,00	500,00	1313246		2213246		2413246				1	
110	63	200	125	225,00	1000,00	500,00	1313248		2213248		2413248				1	
110	75	200	140	225,00	1000,00	500,00	1313250		2213250		2413250				1	
110	90	200	160	225,00	1000,00	500,00	1313252		2213252		2413252				1	
125	32	225	90	225,00	1000,00	500,00	1313256		2213256		2413256				1	
125	40	225	110	225,00	1000,00	500,00	1313258		2213258		2413258				1	
125	50	225	110	225,00	1000,00	500,00	1313260		2213260		2413260				1	
125	63	225	125	225,00	1000,00	500,00	1313262		2213262		2413262				1	
125	75	225	140	225,00	1000,00	500,00	1313264		2213264		2413264				1	
125	90	225	160	225,00	1000,00	500,00	1313266		2213266		2413266				1	
125	110	225	200	225,00	1000,00	500,00	1313268		2213268		2413268				1	
160	32	250	90	225,00	1000,00	500,00	1313290		2213291		2413291		2713290		1	
160	40	250	110	225,00	1000,00	500,00	1313292		2213293		2413293		2713292		1	
160	50	250	110	225,00	1000,00	500,00	1313294		2213295		2413295		2713294		1	
160	63	250	125	225,00	1000,00	500,00	1313296		2213297		2413297		2713296		1	
160	75	250	140	225,00	1000,00	500,00	1313298		2213299		2413299		2713298		1	
160	90	250	160	225,00	1000,00	500,00	1313300		2213301		2413301		2713300		1	
160	110	250	200	225,00	1500,00	750,00	1313302		2213303		2413303		2713302		1	
160	125	250	225	225,00	1500,00	750,00	1313304		2213305		2413305		2713304		1	

On request available: aquatherm green pipe ti SDR 7.4

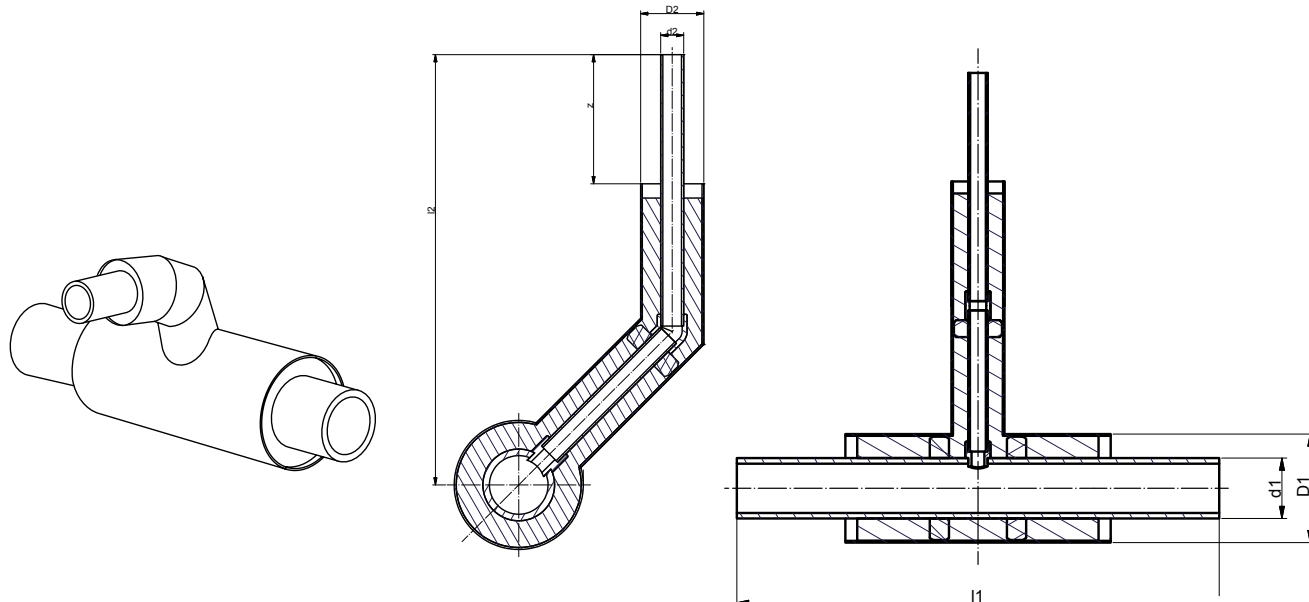


aquatherm ti RED.-BRANCH SL 750

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

Outside diameter							aquatherm green pipe ti SDR 9		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11		aquatherm blue pipe ti SDR 17.6		PU	Box unit
d1 Medium pipe	d2 Medium pipe	D1 Casing pipe	D2 Casing pipe	z	l1	l2	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc		
200	32	315	90	225,00	1500,00	750,00	1313332		2213333		2413333		2713332		1	
200	40	315	110	225,00	1500,00	750,00	1313334		2213335		2413335		2713334		1	
200	50	315	110	225,00	1500,00	750,00	1313336		2213337		2413337		2713336		1	
200	63	315	125	225,00	1500,00	750,00	1313338		2213339		2413339		2713338		1	
200	75	315	140	225,00	1500,00	750,00	1313340		2213341		2413341		2713340		1	
200	90	315	160	225,00	1500,00	750,00	1313342		2213343		2413343		2713342		1	
200	110	315	200	225,00	1500,00	750,00	1313344		2213345		2413345		2713344		1	
200	125	315	225	225,00	1500,00	750,00	1313346		2213347		2413347		2713346		1	
200	160	315	250	225,00	1500,00	750,00	1313350		2213351		2413351		2713350		1	
250	32	400	90	225,00	1500,00	750,00	1313382		2213383		2413383		2713382		1	
250	40	400	110	225,00	1500,00	750,00	1313384		2213385		2413385		2713384		1	
250	50	400	110	225,00	1500,00	750,00	1313386		2213387		2413387		2713386		1	
250	63	400	125	225,00	1500,00	750,00	1313388		2213389		2413389		2713388		1	
250	75	400	140	225,00	1500,00	750,00	1313390		2213391		2413391		2713390		1	
250	90	400	160	225,00	1500,00	750,00	1313392		2213393		2413393		2713392		1	
250	110	400	200	225,00	1500,00	750,00	1313394		2213395		2413395		2713394		1	
250	125	400	225	225,00	1500,00	750,00	1313396		2213397		2413397		2713396		1	
250	160	400	250	225,00	1500,00	750,00	1313400		2213401		2413401		2713400		1	
250	200	400	315	225,00	1500,00	750,00	1313402		2213403		2413403		2713402		1	
315	32	450	90	225,00	1500,00	750,00	1313406		2213407				2713406		1	
315	40	450	110	225,00	1500,00	750,00	1313408		2213409				2713408		1	
315	50	450	110	225,00	1500,00	750,00	1313410		2213411				2713410		1	
315	63	450	125	225,00	1500,00	750,00	1313412		2213413				2713412		1	
315	75	450	140	225,00	1500,00	750,00	1313414		2213415				2713414		1	
315	90	450	160	225,00	1500,00	750,00	1313416		2213417				2713416		1	
315	110	450	200	225,00	1500,00	750,00	1313418		2213419				2713418		1	
315	125	450	225	225,00	1500,00	750,00	1313420		2213421				2713420		1	
315	160	450	250	225,00	1500,00	750,00	1313424		2213425				2713424		1	
315	200	450	315	225,00	1500,00	750,00	1313428		2213429				2713428		1	
315	250	450	400	225,00	1500,00	750,00	1313432		2213433				2713432		1	

On request available: aquatherm green pipe ti SDR 7.4

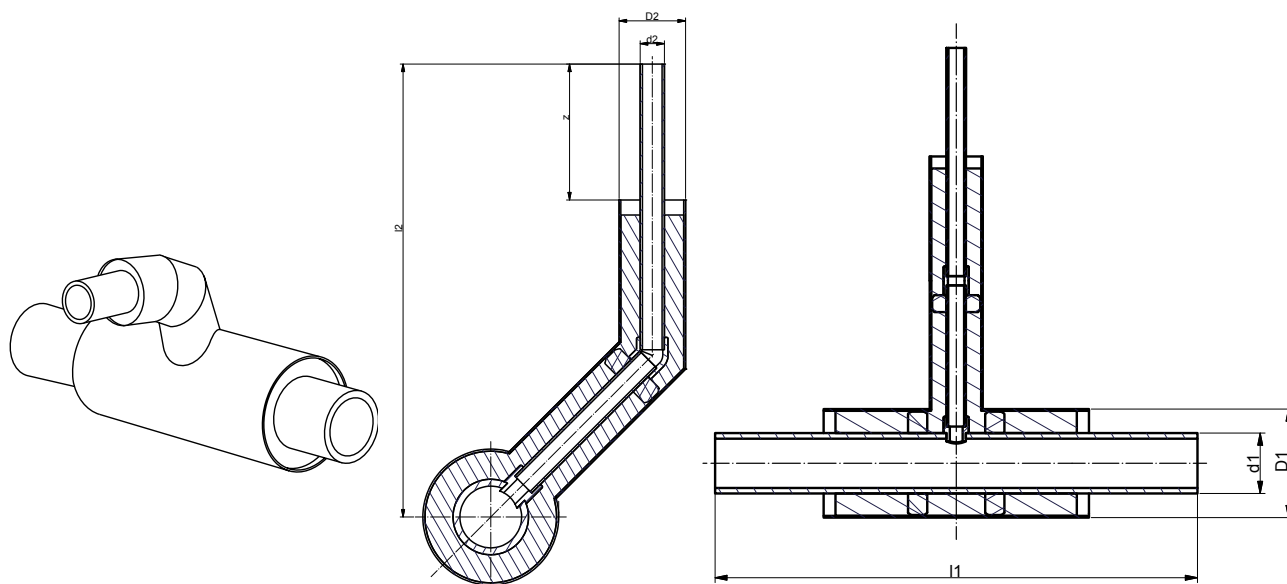


aquatherm ti RED. CROSS-OVER BRANCH SL 500/750

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

Outside diameter							aquatherm green pipe ti SDR 9		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11		aquatherm blue pipe ti SDR 17.6		PU	Box unit
d1 Medium pipe	d2 Medium pipe	D1 Casing pipe	D2 Casing pipe	z	l1	l2	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc		
40	32	110	90	225,00	1000,00	750,00	1318202		2218202		2418202				1	
50	32	110	90	225,00	1000,00	750,00	1318206		2218206		2418206				1	
50	40	110	110	225,00	1000,00	750,00	1318208		2218208		2418208				1	
63	32	125	90	225,00	1000,00	750,00	1318212		2218212		2418212				1	
63	40	125	110	225,00	1000,00	750,00	1318214		2218214		2418214				1	
63	50	125	110	225,00	1000,00	750,00	1318216		2218216		2418216				1	
75	32	140	90	225,00	1000,00	750,00	1318220		2218220		2418220				1	
75	40	140	110	225,00	1000,00	750,00	1318222		2218222		2418222				1	
75	50	140	110	225,00	1000,00	750,00	1318224		2218224		2418224				1	
75	63	140	125	225,00	1000,00	750,00	1318226		2218226		2418226				1	
90	32	160	90	225,00	1000,00	750,00	1318230		2218230		2418230				1	
90	40	160	110	225,00	1000,00	750,00	1318232		2218232		2418232				1	
90	50	160	110	225,00	1000,00	750,00	1318234		2218234		2418234				1	
90	63	160	125	225,00	1000,00	750,00	1318236		2218236		2418236				1	
90	75	160	140	225,00	1000,00	750,00	1318238		2218238		2418238				1	
110	32	200	90	225,00	1000,00	750,00	1318242		2218242		2418242				1	
110	40	200	110	225,00	1000,00	750,00	1318244		2218244		2418244				1	
110	50	200	110	225,00	1000,00	750,00	1318246		2218246		2418246				1	
110	63	200	125	225,00	1000,00	750,00	1318248		2218248		2418248				1	
110	75	200	140	225,00	1000,00	750,00	1318250		2218250		2418250				1	
110	90	200	160	225,00	1000,00	750,00	1318252		2218252		2418252				1	
125	32	225	90	225,00	1000,00	750,00	1318256		2218256		2418256				1	
125	40	225	110	225,00	1000,00	750,00	1318258		2218258		2418258				1	
125	50	225	110	225,00	1000,00	750,00	1318260		2218260		2418260				1	
125	63	225	125	225,00	1000,00	750,00	1318262		2218262		2418262				1	
125	75	225	140	225,00	1000,00	750,00	1318264		2218264		2418264				1	
125	90	225	160	225,00	1000,00	750,00	1318266		2218266		2418266				1	
125	110	225	200	225,00	1000,00	750,00	1318268		2218268		2418268				1	
160	32	250	90	225,00	1000,00	750,00	1318290		2218291		2418291		2718290		1	
160	40	250	110	225,00	1000,00	750,00	1318292		2218293		2418293		2718292		1	
160	50	250	110	225,00	1000,00	750,00	1318294		2218295		2418295		2718294		1	
160	63	250	125	225,00	1000,00	750,00	1318296		2218297		2418297		2718296		1	
160	75	250	140	225,00	1000,00	750,00	1318298		2218299		2418299		2718298		1	
160	90	250	160	225,00	1000,00	750,00	1318300		2218301		2418301		2718300		1	
160	110	250	200	225,00	1000,00	750,00	1318302		2218303		2418303		2718302		1	
160	125	250	225	225,00	1000,00	1000,00	1318304		2218305		2418305		2718304		1	

On request available: aquatherm green pipe ti SDR 7.4

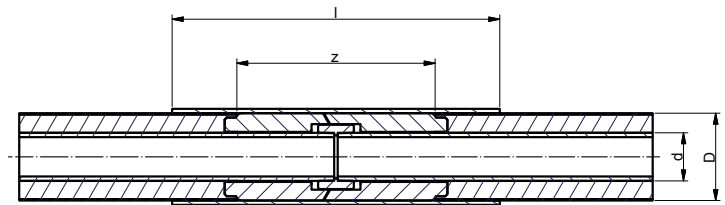


aquatherm ti RED. CROSS-OVER BRANCH SL 500/750

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

Outside diameter							aquatherm green pipe ti SDR 9		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11		aquatherm blue pipe ti SDR 17.6		PU	Box unit
d1 Medium pipe	d2 Medium pipe	D1 Casing pipe	D2 Casing pipe	z	l1	l2	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc		
200	32	315	90	225,00	1000,00	750,00	1318332		2218333		2418333		2718332		1	
200	40	315	110	225,00	1000,00	1000,00	1318334		2218335		2418335		2718334		1	
200	50	315	110	225,00	1000,00	1000,00	1318336		2218337		2418337		2718336		1	
200	63	315	125	225,00	1000,00	1000,00	1318338		2218339		2418339		2718338		1	
200	75	315	140	225,00	1000,00	1000,00	1318340		2218341		2418341		2718340		1	
200	90	315	160	225,00	1000,00	1000,00	1318342		2218343		2418343		2718342		1	
200	110	315	200	225,00	1000,00	1000,00	1318344		2218345		2418345		2718344		1	
200	125	315	225	225,00	1500,00	1000,00	1318346		2218347		2418347		2718346		1	
200	160	315	250	225,00	1500,00	1000,00	1318350		2218351		2418351		2718350		1	
250	32	400	90	225,00	1000,00	1000,00	1318382		2218383		2418383		2718382		1	
250	40	400	110	225,00	1000,00	1000,00	1318384		2218385		2418385		2718384		1	
250	50	400	110	225,00	1000,00	1000,00	1318386		2218387		2418387		2718386		1	
250	63	400	125	225,00	1000,00	1000,00	1318388		2218389		2418389		2718388		1	
250	75	400	140	225,00	1000,00	1000,00	1318390		2218391		2418391		2718390		1	
250	90	400	160	225,00	1000,00	1000,00	1318392		2218393		2418393		2718392		1	
250	110	400	200	225,00	1000,00	1000,00	1318394		2218395		2418395		2718394		1	
250	125	400	225	225,00	1000,00	1000,00	1318396		2218397		2418397		2718396		1	
250	160	400	250	225,00	1500,00	1000,00	1318400		2218401		2418401		2718400		1	
250	200	400	315	225,00	1500,00	1000,00	1318402		2218403		2418403		2718402		1	
315	32	450	90	225,00	1000,00	1000,00	1318406		2218407				2718406		1	
315	40	450	110	225,00	1000,00	1000,00	1318408		2218409				2718408		1	
315	50	450	110	225,00	1000,00	1000,00	1318410		2218411				2718410		1	
315	63	450	125	225,00	1000,00	1000,00	1318412		2218413				2718412		1	
315	75	450	140	225,00	1000,00	1000,00	1318414		2218415				2718414		1	
315	90	450	160	225,00	1000,00	1000,00	1318416		2218417				2718416		1	
315	110	450	200	225,00	1000,00	1000,00	1318418		2218419				2718418		1	
315	125	450	225	225,00	1000,00	1000,00	1318420		2218421				2718420		1	
315	160	450	250	225,00	1000,00	1000,00	1318424		2218425				2718424		1	
315	200	450	315	225,00	1500,00	1000,00	1318428		2218429				2718428		1	
315	250	450	400	225,00	1500,00	1000,00	1318432		2218433				2718432		1	

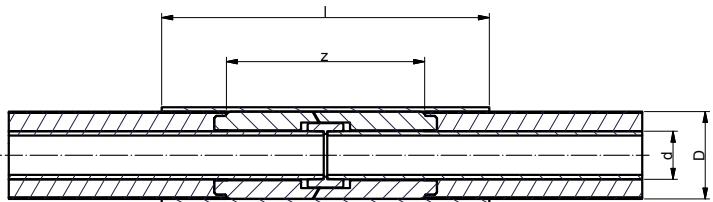
On request available: aquatherm green pipe ti SDR 7.4



aquatherm ti SOCKET PLA

consists of shrink sleeve with PUR-rigid foam insulation elements and accessories, 650 mm total lengths. With integrated hot-melt adhesive.

Outside diameter		aquatherm ti		PU	Box unit
Medium pipe d	Casing pipe D	z	l	Art.-No.	Price € m/pc
<i>Socket welding: the fitting for the connection of the medium pipes is included in delivery.</i>					
32	90	454,50	650,00	2211012	1
40	110	456,50	650,00	2211014	1
50	110	456,00	650,00	2211016	1
63	125	455,50	650,00	2211018	1
75	140	456,50	650,00	2211020	1
90	160	456,50	650,00	2211022	1
110	200	458,00	650,00	2211024	1
125	225	460,00	650,00	2211026	1
<i>Butt welding: no fitting is required for the connection of the medium pipes</i>					
160	250	445,00	650,00	2211030	1
200	315	444,00	650,00	2211034	1
250	400	444,00	650,00	2211038	1

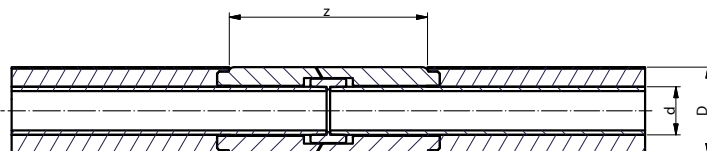


aquatherm ti SOCKET CSC-X

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		PU	Box unit
Medium pipe d	Casing pipe D	z	l	Art.-No.	Price € m/pc
<i>Socket welding: the fitting for the connection of the medium pipes is included in delivery.</i>					
32	90	454,50	750,00	1211012	1
40	110	456,50	750,00	1211014	1
50	110	456,00	750,00	1211016	1
63	125	455,50	750,00	1211018	1
75	140	456,50	750,00	1211020	1
90	160	456,50	750,00	1211022	1
110	200	458,00	750,00	1211024	1
125	225	460,00	750,00	1211026	1
<i>Butt welding: no fitting is required for the connection of the medium pipes</i>					
160	250	445,00	750,00	1211030	1
200	315	444,00	750,00	1211034	1
250	400	444,00	750,00	1211038	1
315	450	444,00	750,00	1211042	1

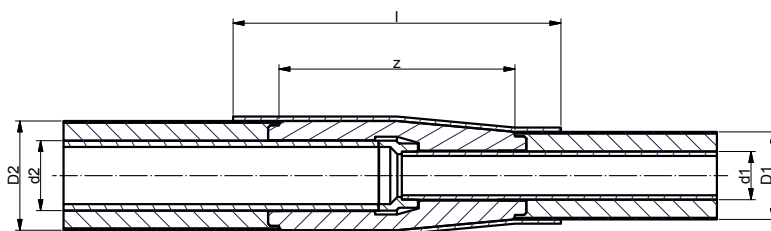


aquatherm ti INSULATION-SOCKET-SET

Consists of PUR-rigid foam elements and a fitting (socket up to 125 mm) depending on the dimension.

Required accessories for the installation: insulating tape and primer (p. 86)

Outside diameter			aquatherm ti		PU	Box unit
Medium pipe d	Casing pipe D	z	Art.-No.	Price € m/pc		
32	90	454,50	2411012		1	
40	110	456,50	2411014		1	
50	110	456,00	2411016		1	
63	125	455,50	2411018		1	
75	140	456,50	2411020		1	
90	160	456,50	2411022		1	
110	200	458,00	2411024		1	
125	225	460,00	2411026		1	
Socket welding: the fitting for the connection of the medium pipes is included in delivery.						
160	250	445,00	2411030		1	
200	315	444,00	2411034		1	
250	400	444,00	2411038		1	
315	450	444,00	2411042		1	
Butt welding: no fitting is required for the connection of the medium pipes						



aquatherm ti REDUCING SOCKET

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

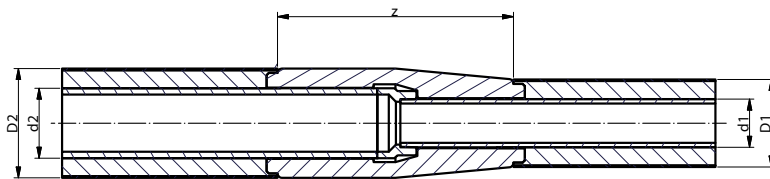
Outside diameter				aquatherm green pipe ti SDR 9 aquatherm blue pipe ti SDR 11		PU	Box unit
d1 Medium pipe	d2 Medium pipe	D1 Casing pipe	D2 Casing pipe	z	l	Art.-No.	Price € m/pc
40	32	90	110	456,00	900,00	1211222	1
50	32	90	110	456,00	900,00	1211228	1
50	40	110	125	456,00	900,00	1211230	1
63	40	110	125	455,50	900,00	1211236	1
63	50	110	140	455,50	900,00	1211238	1
75	50	110	140	456,50	900,00	1211240	1
75	63	125	160	456,50	900,00	1211242	1
90	63	125	160	456,50	900,00	1211252	1
90	75	140	200	456,50	900,00	1211253	1
110	75	140	200	458,00	900,00	1211257	1
110	90	160	225	458,00	900,00	1211259	1
125	90	160	225	458,00	900,00	1211263	1
125	110	200	250	460,00	900,00	1211265	1

Socket welding: up to 125 x 110 mm, than onesided socket- and onesided 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
d1 Medium pipe	d2 Medium pipe	D1 Casing pipe	D2 Casing pipe	z	l	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc		
160	110	200	250	540,00	750,00	1311274		2211275		2711274		1	
160	125	225	315	540,00	750,00	1311276		2211277		2711276		1	
200	125	225	315	585,00	750,00	1311282		2211283		2711282		1	

Double-sided butt welding

200	160	250	400	585,00	750,00	1311284		2211285		2711284		1	
250	160	250	400	622,00	750,00	1311288		2211289		2711288		1	
250	200	315	400	622,00	750,00	1311290		2211291		2711290		1	
200	315	315	450	622,00	750,00	1311296		2211297		2711296		1	
250	315	400	450	622,00	750,00	1311298		2211299		2711298		1	



aquatherm ti INSULATION-REDUCING SOCKET-SET

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

Outside diameter						aquatherm ti		PU	Box unit
d2	d1	D1	D2	z	l	Art.-No.	Price € m/pc		
Socket welding: up to 125 x 110 mm, than onesided socket- and onesided butt welding									
40	32	90	110	456,00	900,00	2411222		1	
50	32	90	110	456,00	900,00	2411228		1	
50	40	110	125	456,00	900,00	2411230		1	
63	40	110	125	455,50	900,00	2411236		1	
63	50	110	140	455,50	900,00	2411238		1	
75	50	110	140	456,50	900,00	2411240		1	
75	63	125	160	456,50	900,00	2411242		1	
90	63	125	160	456,50	900,00	2411252		1	
90	75	140	200	456,50	900,00	2411253		1	
110	75	140	200	458,00	900,00	2411257		1	
110	90	160	225	458,00	900,00	2411259		1	
125	90	160	225	458,00	900,00	2411263		1	
125	110	200	250	460,00	900,00	2411265		1	

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	d1	D1	D2	z	l	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc		
160	110	200	250	540,00	750,00	1311275		2411275		2711275		1	
160	125	225	315	540,00	750,00	1311277		2411277		2711277		1	
200	125	225	315	585,00	750,00	1311283		2411283		2711283		1	

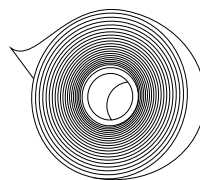
Double-sided butt welding

200	160	250	400	585,00	750,00	1311285		2411285		2711285		1	
250	160	250	400	622,00	750,00	1311289		2411289		2711289		1	
250	200	315	400	622,00	750,00	1311291		2411291		2711291		1	
315	200	315,00	450	622,00	750,00	1311297		2411297		2711297		1	
315	250	400	450	622,00	750,00	1311299		2411299		2711299		1	

aquatherm ti MONO TOP 40 INSULATION TAPE

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

Art.-No.	Wide	Length	Price € m/pc	PU	Box unit
2411000	50 mm	15 m		1	
2411001	100 mm	15 m		1	



aquatherm ti PRIMER

Art.-No.	Amount	Price € m/pc	PU	Box unit
2411002	1 liter		1	



aquatherm ti CLOSING COLLAR

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

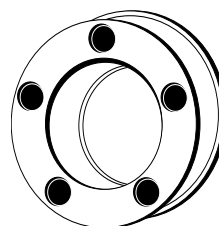
Outside diameter		aquatherm ti		PU	Box unit
Medium pipe	Casing pipe	Art.-No.	Price € m/pc		
32 mm	90 mm	1214112		1	
40-50 mm	110 mm	1214114		1	
63-75 mm	125-140 mm	1214118		1	
90 mm	160 mm	1214122		1	
110 mm	200 mm	1214124		1	
125 mm	225 mm	1214126		1	
160 mm	250 mm	1214130		1	
200 mm	315 mm	1214134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



aquatherm ti COMPACT SEALS

Pipe collar for wall duct.

Outside diameter			aquatherm ti		PU	Box unit
Core drill hole	Medium pipe	Casing pipe	Art.-No.	Price € m/pc		
150	32	90	1214212		1	
200	40-50	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	

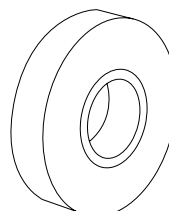


aquatherm ti WARNING TAPE

Art.-No.	Width	Price € m/pc	PU	Box unit
50191	40 mm		250m	

Colour: yellow

Printing in black: "Attention district heating pipeline"





aquatherm grey pipe

POTABLE WATER AND HEATING CONNECTION SYSTEM

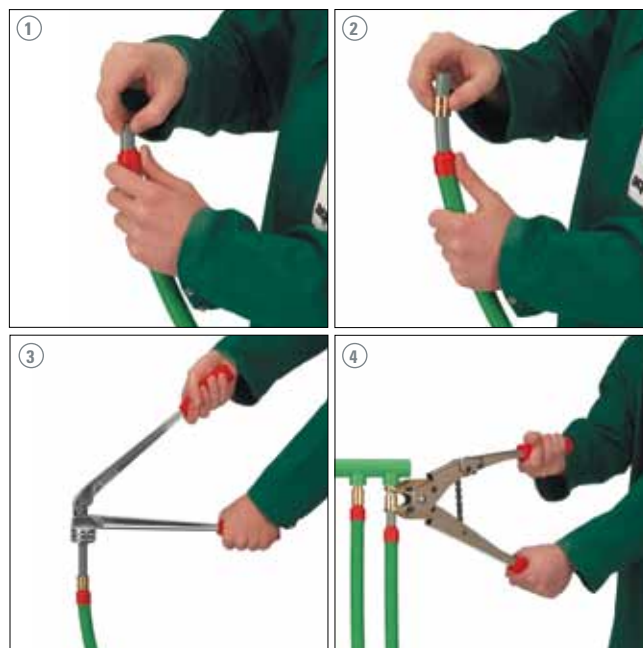
The aquatherm grey pipe installation system consists of high-quality multi-layer metal composite pipe or optional flexible polybutene pipe.

Depending on the application or request you can chose between insulated and non-insulated pipe and the variant with corrugated pipe. All systems are DVGW-approved.

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

- ▶ Extensive product range
- ▶ Dimension 16-40 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

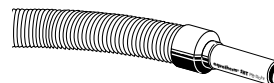
SLIDING-SLEEVE CONNECTION



aquatherm grey pipe POTABLE WATER AND RADIATOR CONNECTION PIPE

in corrugated pipe, with oxygen barrier

Art.-No.	Dimension	PU	Price € m/pc
77000	16 x 2,0 mm	100	
77002	20 x 2,0 mm	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)
Material corrugated pipe:	PE	according to:	DIN 4726/4727/16968
Colour corrugated pipe:	green		with oxygen barrier by EVOH-coating



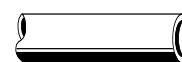
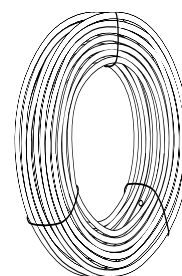
aquatherm grey pipe POTABLE WATER AND RADIATOR CONNECTION PIPE

with oxygen barrier

Art.-No.	Dimension	PU	Price € m/pc
77020	16 x 2,0 mm	100	
77022	20 x 2,0 mm	100	
77024	25 x 2,3 mm	50	

... in length á 4 m

77040	16 x 2,0 mm	100	
Material:	PB	Application field:	Potable water/heating
Colour:	grey	Operating temperature:	70°C
Form supplied:	ring/straight lengths	DVGW-Registr.-No.:	DW-8501 AU2075 (incl. fittings)
		according to:	DIN 4726/4727/16968
			with oxygen barrier by EVOH-coating

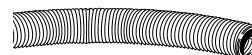


aquatherm grey pipe MULTI LAYER METAL COMPOSITE PIPE on page 107

aquatherm grey pipe CORRUGATED PIPE

Art.-No.	for pipe dimensions	PU	Price € m/pc
77010	16 mm	100	
77012	20 mm	50	

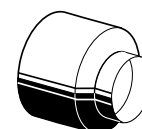
Material: PE
Colour: green
Form supplied: ring



aquatherm grey pipe END SLEEVE FOR CORRUGATED PIPE

Art.-No.	for pipe dimensions	Colour	PU	Price € m/pc
77080	corrugated pipe 16 mm - Art. 77010	red	50	
77082	corrugated pipe 20 mm - Art. 77012	red	50	
77090	corrugated pipe 16 mm - Art. 77010	blue	50	
77092	blcorrugated pipe 20 mm - Art. 77012	blue	50	

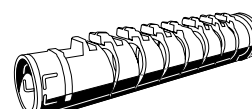
Material: PE
Colour: 77080-77082: red / 77090-77092: blue

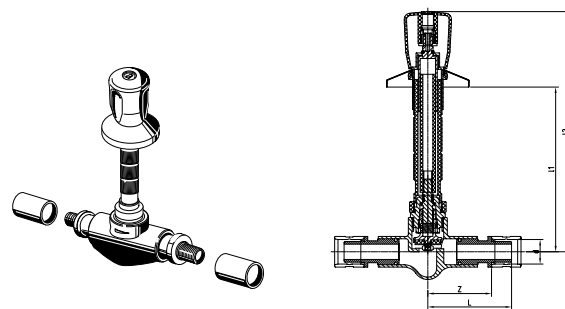


aquatherm grey pipe SNAP IN RADIUS SUPPORT

Art.-No.	for pipe dimensions	PU	Price € m/pc
79566	16 & 17 mm	25	
79568	20 mm	20	

Material: PE
Colour: black



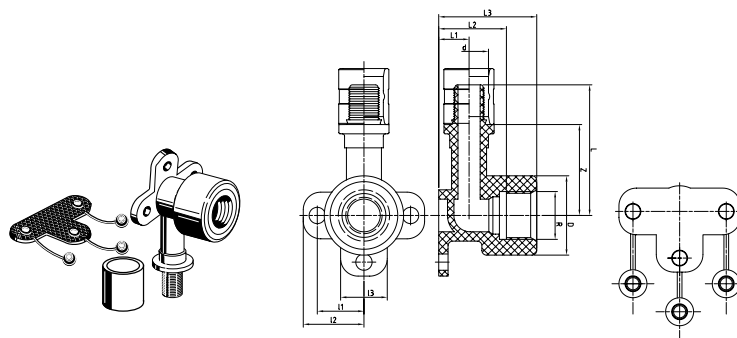


aquatherm grey pipe CONCEALED STOP VALVE

including sliding sleeve

Art.-No.	d	Z	L	I1	I2	PU	Price € m/pc
79858	20	54,00	71,00	139,50	203,50	1	

suitable for construction depth from 55 mm - 100 mm



aquatherm grey pipe BACK PLATE ELBOW

Art.-No.	d	R	D	Z	L	L1	L2	L3	I1	I2	I3	PU	Price € m/pc
79000	16	G1/2	34,00	39,00	56,00	13,00	29,00	42,00	20,00	26,00	20,00	1	
79002	20	G3/4	40,00	42,00	59,00	13,00	29,00	42,00	25,00	31,00	20,00	1	
79004	20	G1/2	34,00	39,00	56,00	13,00	29,00	42,00	20,00	26,00	20,00	1	
79006	25	G3/4	33,00	36,00	54,00	27,00	29,00	48,00	20,00	26,00	20,00	1	

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

DISCONTINUED aquatherm grey pipe SOUND INSULATION COVER

for Art.-No. 79000-79006

Please note: This is a discontinued article that is no longer available after sale of stocks.

Art.-No.	Dimension	PU	Price € m/pc
79008	Thickness = 5mm	2	

Material: PE

aquatherm grey pipe SOUND INSULATION PLATE

for aquatherm green pipe- and aquatherm grey pipe-back plate elbow

Art.-No.	Dimension	PU	Price € m/pc
79080		2	

suitable with the mounting rail Art.-No. 79090

See Z-measures, page 41.

MOUNTING RAIL

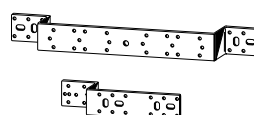
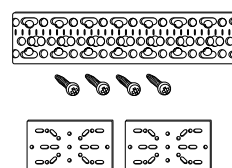
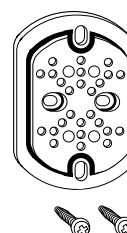
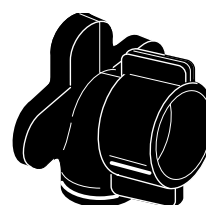
Art.-No.	Dimension	PU	Price € m/pc
79090	L = 560 mm	1	

galvanized, for assembly of back plate elbow, including 2 fixing plates and 4 screws
See Z-measures, page 41.

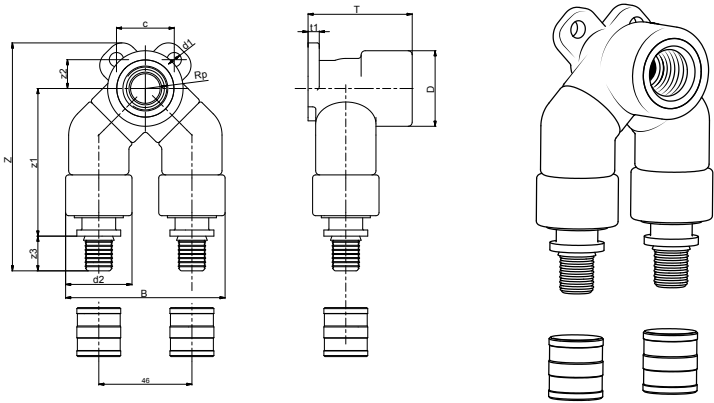
MOUNTING RAIL (TWIN AND SINGLE)

Art.-No.	Dimension	PU	Price € m/pc
79095	twin	2	
79096	single	2	

galvanized, for fixing of back plate
See Z-measures, page 42.

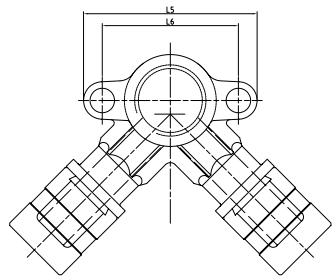
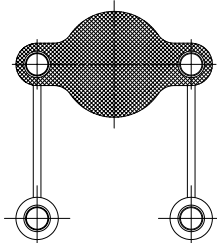
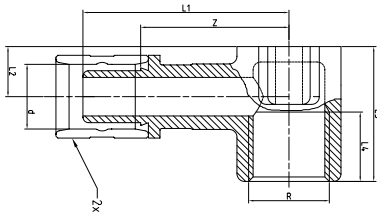
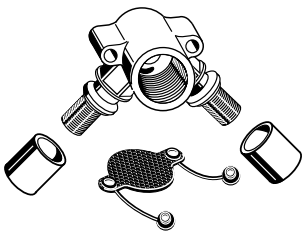


NEW PRINCIPLE OF FLOW-THROUGH BACK PLATE ELBOW



NEW aquatherm grey pipe FLOW-THROUGH BACK PLATE ELBOW, PARALLEL

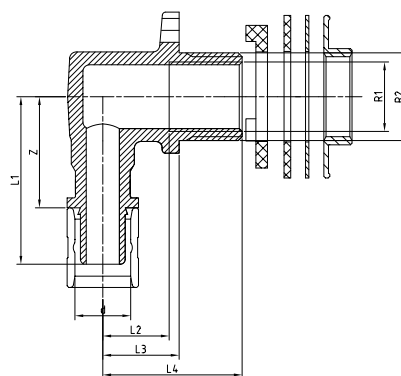
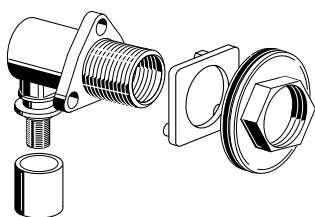
Art.-No.	Dimensions	D	d1	d2	Z	z1	z2	z3	t1	T	PU	Box unit	Price € m/pc
779050	16 mm x 1/2" f x 16 mm	37,00	7,00	34,50	111,65	72,30	14,14	17,00	5,50	51,00	1		
779052	20 mm x 1/2" f x 20 mm	37,00	7,00	32,50	111,65	72,30	14,14	17,00	5,50	51,00	1		



aquatherm grey pipe BACK PLATE ELBOW, TWIN
including sliding sleeves

Art.-No.	d	Z	L1	L2	L3	R	L4	L5	PU	Price € m/pc
79010	16	38,50	53,50	13,00	35,00	G1/2	18,00	51,00		

Material: brass
including acoustic panel (PP)



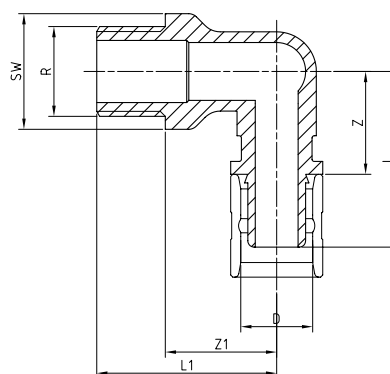
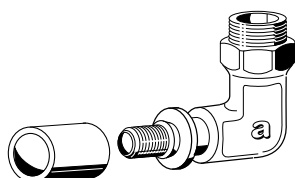
aquatherm grey pipe CONNECTING ELBOW FOR CONCEALED CISTERN

including sliding sleeve

Art.-No.	d	Z	L1	L2	L3	R	L4	L5	PU	Price € m/pc
79020	16	33,50	50,50	20,00	23,00	G1/2	42,00	51,00	1	

Material: brass

including counternut, gasket and spring washer

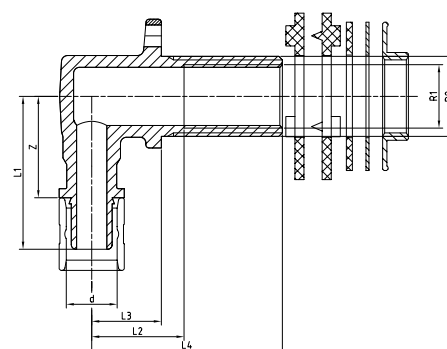
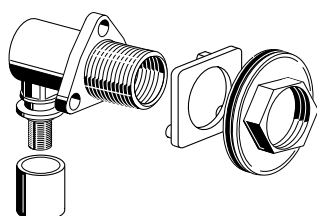


aquatherm grey pipe TRANSITION ELBOW

including sliding sleeve

Art.-No.	d	R	Z	Z1	L	L1	SW	PU	Price € m/pc
79030	16	G1/2	24,00	26,00	41,00	42,00	24,00	2	
79032	20	G1/2	24,00	26,00	41,00	42,00	24,00	2	
79033	20	G3/4	25,50	21,00	42,50	38,00	-	2	
79034	25	G3/4	26,00	21,00	44,00	38,00	-	2	

Material: brass



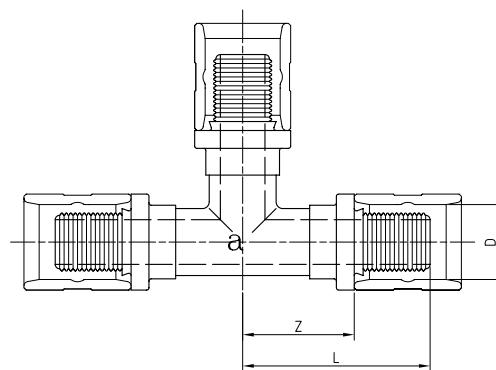
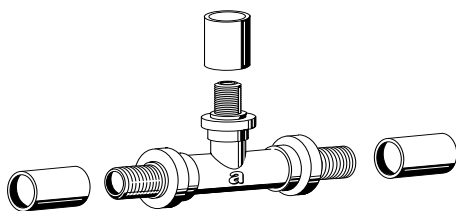
aquatherm grey pipe CONNECTING ELBOW

for dry construction, including sliding sleeve

Art.-No.	d	R1	Z	L1	R2	L2	L3	L4	PU	Price € m/pc
79040	16	G1/2	33,50	50,50	G3/4	30,50	23,00	63,00	2	

Material: brass

including counternut, gasket and 2 spring washers

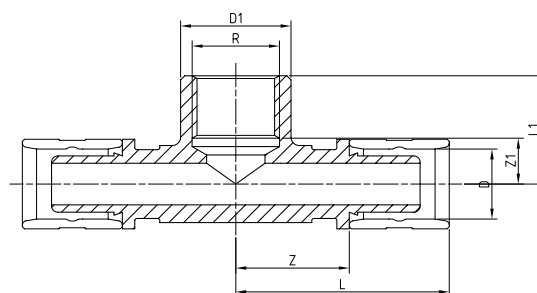
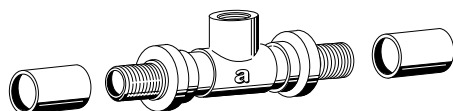


aquatherm grey pipe TEE

including sliding sleeves

Art.-No.	d	Z	L	PU	Price € m/pc
79100	16	25,00	42,00	2	
79102	20	24,00	41,00	2	
79104	25	27,00	45,00	2	

Material: PPSU/brass

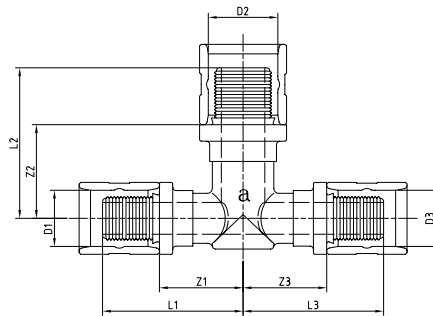
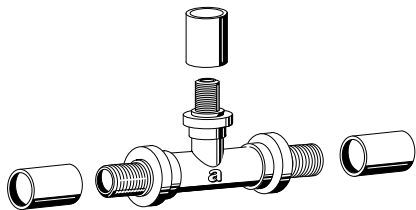


aquatherm grey pipe TEE WITH FEMALE THREAD

including sliding sleeve

Art.-No.	d	R	Z	L	D1	L1	Z1	PU	Price € m/pc
79160	16	G1/2	27,25	44,25	26,50	26,00	11,00	2	
79162	20	G1/2	26,25	43,25	26,25	26,00	11,00	2	
79163	25	G1/2	30,00	54,00	32,00	28,00	9,00	2	
79164	25	G3/4	31,00	48,00	32,00	28,00	11,00	2	

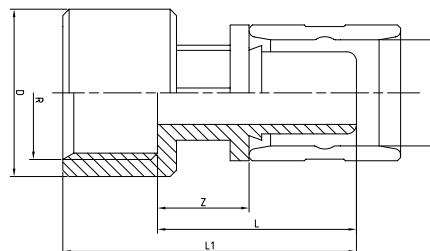
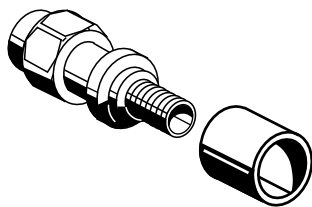
Material: brass



aquatherm grey pipe REDUCING TEE

including sliding sleeves

Art.-No.	d1	d2	d3	Z1	L1	Z2	L2	Z3	L3	PU	Price € m/pc
79110	16	20	16	25,00	42,00	28,00	45,00	25,00	42,00	2	
79112	20	16	16	25,00	42,00	25,00	42,00	25,00	42,00	2	
79114	20	16	20	25,00	42,00	25,00	42,00	25,00	42,00	2	
79116	20	20	16	25,00	42,00	25,00	42,00	25,00	42,00	2	
79118	25	20	25	27,00	45,00	28,00	45,00	27,00	45,00	2	
79120	25	20	20	27,00	45,00	28,00	45,00	28,00	45,00	2	
79122	25	20	16	27,00	45,00	28,00	45,00	28,00	45,00	2	
79123	25	16	25	27,00	45,00	28,00	45,00	27,00	45,00	2	
79124	25	16	20	27,00	45,00	28,00	45,00	28,00	45,00	2	
79126	20	25	20	28,00	45,00	27,00	45,00	28,00	45,00	2	

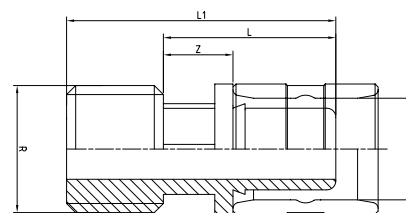
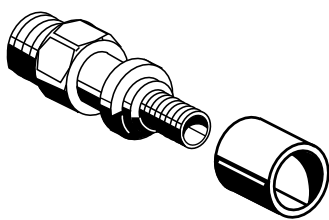


aquatherm grey pipe TRANSITION PIECE

with female thread, including sliding sleeve

Art.-No.	d	R	Z	L	L1	D	PU	Price € m/pc
79182	16	G1/2	14,50	31,50	46,50	26,50	2	
79184	20	G1/2	14,50	31,50	46,50	26,50	2	
79186	20	G3/4	14,50	31,50	48,50	32,50	2	
79188	25	G3/4	16,50	34,50	51,50	32,50	2	

Material: brass

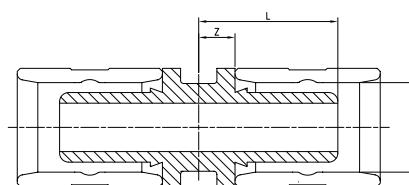
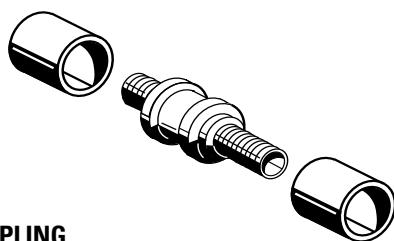


aquatherm grey pipe **TRANSITION PIECE**

with male thread, including sliding sleeve

Art.-No.	d	R	Z	L	L1	PU	Price € m/pc
79200	16	G1/2	11,50	28,50	44,50	2	
79202	20	G1/2	11,50	28,50	44,50	2	
79203	20	G3/4	12,50	29,50	45,50	2	
79204	25	G3/4	14,50	31,50	47,50	2	
79205	25	G1/2	11,50	29,50	45,50	2	

Material: brass

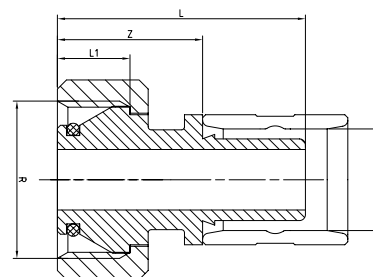
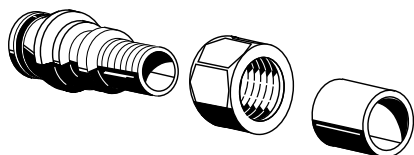


aquatherm grey pipe **COUPLING**

including sliding sleeves

Art.-No.	d	Z	L	PU	Price € m/pc
79210	16	6,00	23,00	2	
79212	20	6,00	23,00	2	
79214	25	7,25	25,25	2	

Material: brass

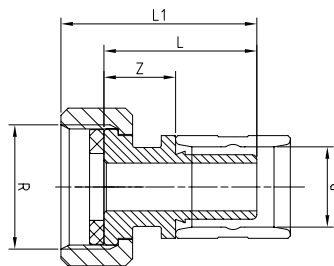
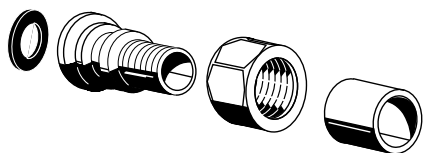


aquatherm grey pipe **EUROCONUS ADAPTER**

including sliding sleeve

Art.-No.	d	R	Z	L	L1	PU	Price € m/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

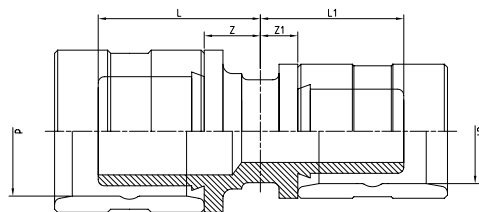
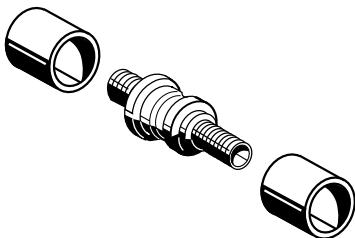


aquatherm grey pipe TRANSITION SCREW JOINT

including sliding sleeve and gasket

Art.-No.	d	R	Z	L	L1	PU	Price € m/pc
79230	16	G3/4	15,00	32,00	41,00	2	
79232	20	G1	15,50	32,50	45,00	2	
79240	20	G3/4	22,00	39,00	48,00	2	
79242	25	G1	28,00	46,00	57,50	1	

Material: brass

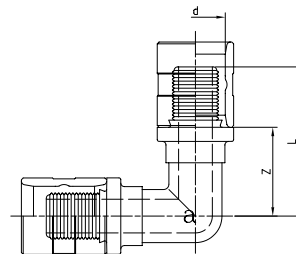
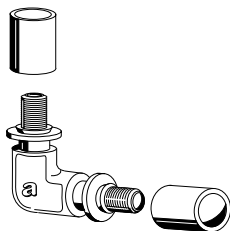


aquatherm grey pipe REDUCING COUPLING

including sliding sleeve

Art.-No.	d	d1	Z	L	Z1	L1	PU	Price € m/pc
79250	20	16	9,00	26,00	6,00	23,00	2	
79252	25	20	10,00	28,00	6,00	23,00	2	
79254	25	16	10,00	28,00	6,00	23,00	2	

Material: brass



aquatherm grey pipe ELBOW 90°

including sliding sleeve

Art.-No.	d	Z	L	PU	Price € m/pc
79300	16	25,00	42,00	2	
79302	20	25,00	42,00	2	
79304	25	27,00	45,00	2	

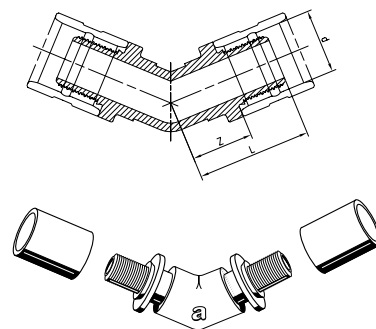
Material: PPSU/brass

aquatherm grey pipe ELBOW 45°

including sliding sleeve

Art.-No.	d	Z	L	PU	Price € m/pc
79322	20	20,00	37,00	2	
79324	25	22,00	40,00	2	

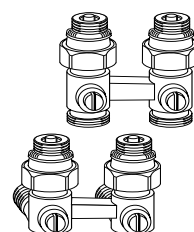
Material: PPSU/brass



aquatherm grey pipe RADIATOR VALVE

Art.-No.	Dimension	PU	Price € m/pc
79606	Passage 3/4" euroconus	1	
79608	Corner form 3/4" euroconus	1	

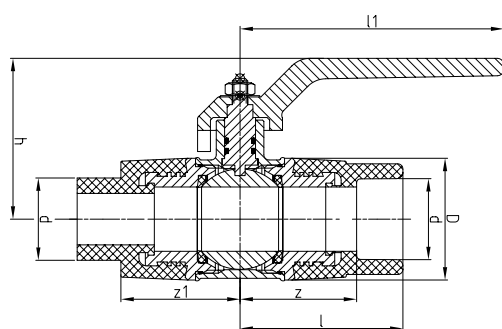
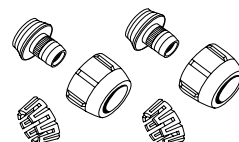
Material: brass



aquatherm grey pipe COMPRESSION FITTING

Art.-No.	Dimension	PU	Price € m/pc
79610	for ø 16 mm	2	

Material: brass

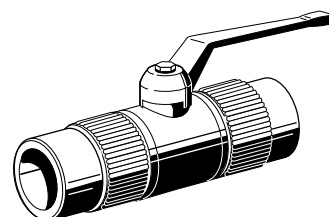


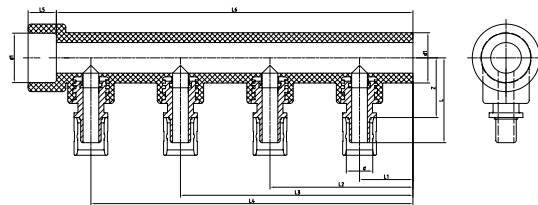
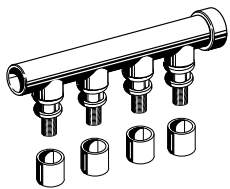
aquatherm grey pipe BALL VALVE FOR MANIFOLD

female/male

Art.-No.	Dimension	PU	Price € m/pc
78000	32 mm f/m	2	

Material: PP-R/brass





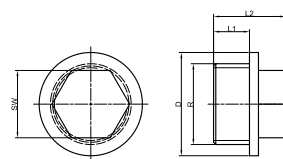
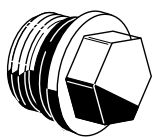
aquatherm grey pipe **FOUR-PORT MANIFOLD**

4 branches with sliding sleeve connection including sliding sleeves

Art.-No.	d	d1	Z	L	L1	L2	L3	L4	L5	L6	PU	Price € m/pc
78003	16	32	38,00	54,00	34,00	91,00	148,00	205,00	18,00	227,00	2	

Material: PP-R/brass

Colour: green

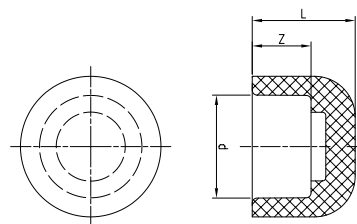
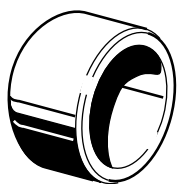


aquatherm grey pipe **BLIND PLUG**

for manifold branches

Art.-No.	R	D	L1	L2	PU	Price € m/pc
78020	M18x1,5	23,00	8,00	16,00	1	

Material: brass

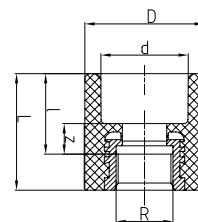
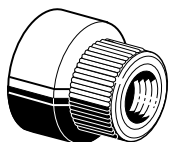


aquatherm grey pipe **END CAP**

Art.-No.	d	Z	L	PU	Price € m/pc
14112	32	18,00	31,50	5	

Material: PP-R

Colour: green



aquatherm grey pipe MANIFOLD END PIECE WITH FEMALE THREAD*

Art.-No.	d	R	Z	L	I	D	PU	Price € m/pc
30804	32	1/2"	12,00	43,00	30,00	43,00	1	

Material: PP-R/brass

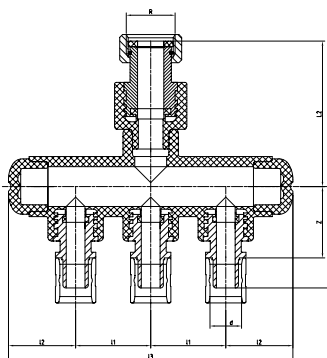
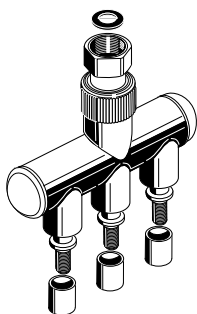
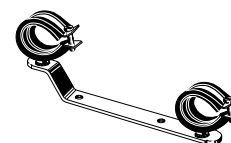
Colour: green

* aquatherm grey pipe- transition piece as manifold endpiece with female thread

SUPPORTING STRAP FOR FOUR-PORT MANIFOLD

with clamps, galvanized, double

Art.-No.	Dimension	PU	Box unit	Price € m/pc
60210	for Ø 32 mm	2	1	



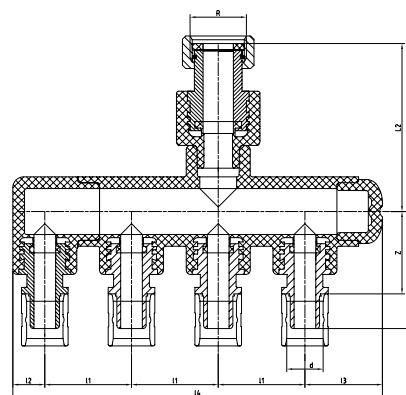
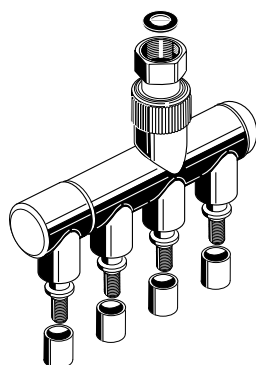
aquatherm grey pipe UNIVERSAL MANIFOLD TRIPLE

with water meter connecting union including sliding sleeves

Art.-No.	d	R	Z	L1	L2	I1	I2	PU	Price € m/pc
78050	16	G3/4	38,00	54,00	77,50	40,00	151,50	1	
78051	16	G1	38,00	55,00	73,50	40,00	169,22	1	

Material: PP-R/brass

Colour: green



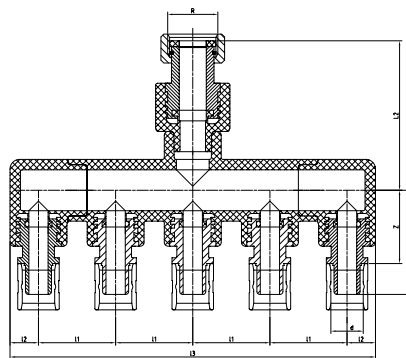
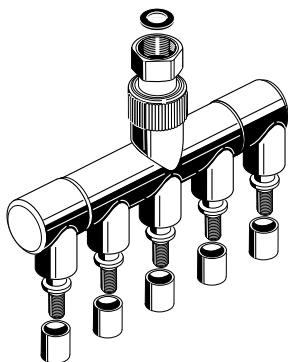
aquatherm grey pipe UNIVERSAL MANIFOLD FOURFOLD

with water meter connecting union including sliding sleeves

Art.-No.	d	R	Z	L1	L2	I1	I2	PU	Price € m/pc
78052	16	G3/4	38,00	54,00	77,50	40,00	170,50	1	
78053	16	G1	38,00	55,00	73,50	40,00	180,50	1	

Material: PP-R/brass

Colour: green



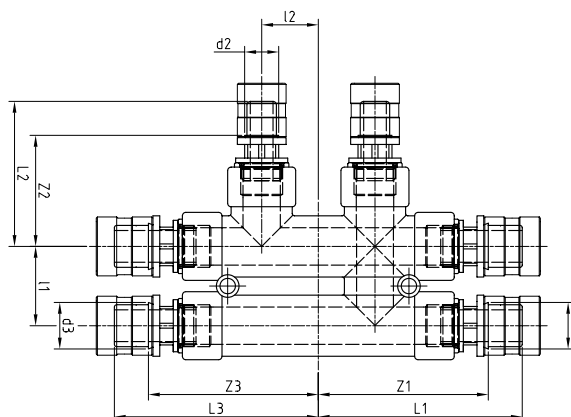
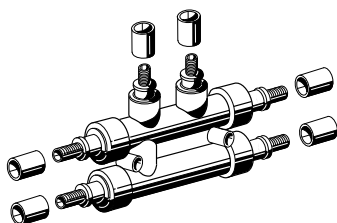
aquatherm grey pipe UNIVERSAL MANIFOLD FIVEFOLD

with water meter connecting union including sliding sleeves

Art.-No.	d	R	Z	L1	L2	I1	I2	PU	Price € m/pc
78054	16	G3/4	38,00	54,00	77,50	40,00	189,50	1	

Material: PP-R/brass

Colour: green



aquatherm grey pipe DISTRIBUTION BLOCK

with sliding sleeve connection including sliding sleeves

Art.-No.	d1	d2	d3	Z1	L1	Z2	L2	Z3	L3	I1	I2	PU	Price € m/pc
78200	20	16	20	75,00	90,00	49,00	64,00	75,00	90,00	35,00	50,00	1	
78201	20	20	16	73,00	90,00	48,00	65,00	73,00	89,00	35,00	50,00	1	
78202	20	16	16	73,00	90,00	48,00	64,00	73,00	89,00	35,00	50,00	1	
78204	16	20	16	73,00	89,00	48,00	65,00	73,00	89,00	35,00	50,00	1	
78206	16	16	16	73,00	89,00	48,00	64,00	73,00	89,00	35,00	50,00	1	
78208	20	20	20	73,00	90,00	48,00	65,00	73,00	90,00	35,00	50,00	1	

applicable as distribution end block,

including 2 end plugs

Material: PP-R/brass

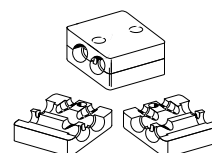
Colour: green

for cross-free installations, flow rate: 10 kW, Temperature: 70/50° C

INSULATION FOR THE aquatherm grey pipe - DISTRIBUTION BLOCK

Art.-No.	Dimension	PU	Price € m/pc
78220	height = 50 mm	1	

Material: PPS/PS

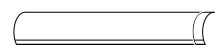


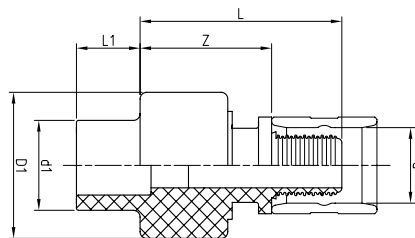
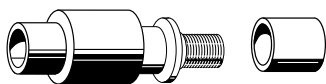
aquatherm grey pipe END PIECE

for manifold and distribution blocks

Art.-No.	Dimension	PU	Price € m/pc
78228	16 mm - Length = 100 mm	2	

Material: PB



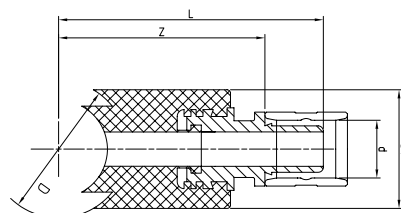
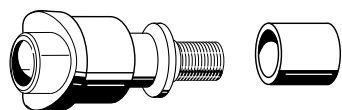


aquatherm grey pipe ADAPTER

to aquatherm green pipe-fittings including sliding sleeve

Art.-No.	Dimension	d1	d	D1	Z	L	L1	PU	Price € m/pc
78320*	aquatherm green pipe 16 mm x aquatherm grey pipe 16 mm	16	16	32,50	31,50	47,50	13,00	2	
78300	aquatherm green pipe 20 mm x aquatherm grey pipe 16 mm	20	16	32,50	30,00	46,00	14,50	2	
78302	aquatherm green pipe 20 mm x aquatherm grey pipe 20 mm	20	20	34,50	30,00	47,00	11,00	2	
78304	aquatherm green pipe 25 mm x aquatherm grey pipe 20 mm	25	20	34,50	30,00	47,00	12,00	2	
78306	aquatherm green pipe 25 mm x aquatherm grey pipe 25 mm	25	25	43,50	35,00	52,00	14,60	2	
78308	aquatherm green pipe 32 mm x aquatherm grey pipe 25 mm	32	25	43,50	36,00	54,00	16,00	1	

*to aquatherm green pipe
Material: PP-R/brass



aquatherm grey pipe WELD-IN SADDLE ADAPTER

including sliding sleeve

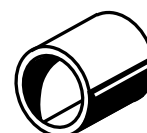
Art.-No.	Dimension	D	d	Z	L	D1	PU	Price € m/pc
78402	aquatherm green pipe 40 mm x aquatherm grey pipe 16 mm	40,00	16	60,00	77,00	34,50	2	
78404	aquatherm green pipe 40 mm x aquatherm grey pipe 20 mm	40,00	20	58,00	75,00	38,50	2	
78406	aquatherm green pipe 50 mm x aquatherm grey pipe 16 mm	50,00	16	65,00	82,00	32,50	2	
78408	aquatherm green pipe 50 mm x aquatherm grey pipe 20 mm	50,00	20	64,00	81,00	38,50	2	
78410	aquatherm green pipe 63 mm x aquatherm grey pipe 16 mm	63,00	16	71,50	88,50	34,50	2	
78412	aquatherm green pipe 63 mm x aquatherm grey pipe 20 mm	63,00	20	70,50	87,50	38,50	2	

one side for saddle welding - one side for sliding sleeve connection
Material: PP-R/brass

aquatherm grey pipe SPARE SLIDING SLEEVE

Art.-No.	Dimension	PU	Price € m/pc
79990	16mm	10	
79992	20mm	10	
79994	25mm	10	

Material: brass



aquatherm grey pipe CONNECTING BEND*...

Art.-No.	Dimension	PU	Price € m/pc
79500	aquatherm grey pipe-pipe connection and radiator connection 16 x 2,0 mm height= 340 mm length = 200 mm	1	
79510	aquatherm grey pipe-pipe connection and radiator connection 16 x 2,0 mm height= 200 mm length = 200 mm	1	

with sliding sleeve connection including sliding sleeves and one fastening plug

Pipe spacing: 50 mm

Material: PP-R/brass

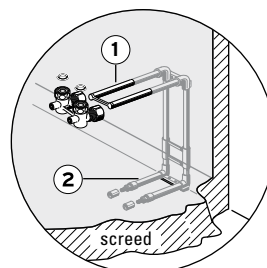
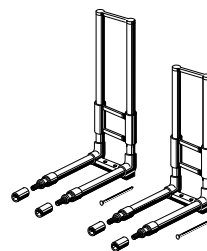
Colour: white

... FOR RADIATOR CONNECTIONS COMING OUT OF THE WALL

* by welding at site, in conjunction with aquatherm grey pipe-connecting bend (Art.-No. 85120)

1. Art.-No.: 85120

2. Art.-No.: 79500



aquatherm grey pipe CONNECTING BEND*...

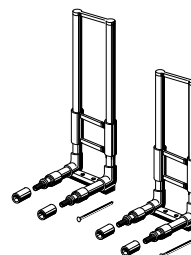
Art.-No.	Dimension	PU	Price € m/pc
79502	aquatherm grey pipe-pipe connection and radiator connection 16 x 2,0 mm height= 340 mm length = 45 mm	1	
79512	aquatherm grey pipe-pipe connection and radiator connection 16 x 2,0 mm height= 200 mm length = 45 mm	1	

with sliding sleeve connection including sliding sleeves and one fastening plug

Pipe spacing: 50 mm

Material: PP-R/brass

Colour: white



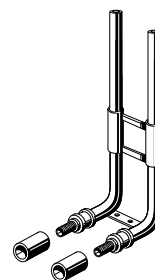
aquatherm grey pipe METAL CONNECTING BEND

Art.-No.	Dimension	PU	Price € m/pc
79532	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 RADIATOR-T-CONNECTING SET

Art.-No.	Dimension	PU	Price € m/pc
79534	aquatherm grey pipe-pipe connection 16 x 2,0 mm radiator connection 15 x 1,0 mm height = 350 mm	1	
79536	aquatherm grey pipe-pipe connection 20 x 2,0 mm radiator connection 15 x 1,0 mm height = 350 mm	1	

with sliding sleeve connections including sliding sleeves

Material: copper nickel-plated



aquatherm grey pipe RADIATOR CONNECTING SET

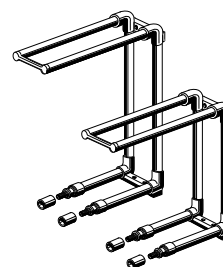
Art.-No.	Dimension	PU	Price € m/pc
79540	aquatherm grey pipe-pipe connection and radiator connection 16 x 2,0 mm height= 260 mm length = 200 mm	1	
79542	aquatherm grey pipe-pipe connection and radiator connection 16 x 2,0 mm height= 180 mm length = 200 mm	1	

with sliding sleeve connection including sliding sleeves

Material: PP-R/brass

Pipe spacing: 50 mm

Colour: white



aquatherm grey pipe DOUBLE ROSETTE, RETRACTABLE

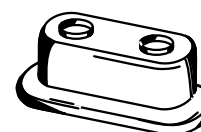
Art.-No.	Dimension	PU	Price € m/pc
79550	for Ø up to 17,5 mm	5	

to cover connection pipes coming out of the floor covering

Material: PA

Pipe spacing: 50 mm

Colour: white



aquatherm grey pipe RED.-NIPPLE

Art.-No.	Dimension	PU	Price € m/pc
85115	1/2" male x 3/4" male	2	

for the connection of radiator valves with compact valve radiators with connection 1/2" f



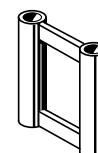
aquatherm grey pipe PROTECTION SLEEVE

Art.-No.	Dimension	PU	Price € m/pc
85125	for Ø 16+17 mm	10	

for protection of connection pipes of vertical radiator connection (from the floor) made of PP-R

- Colour: green

Pipe spacing: 50 mm



aquatherm grey pipe RADIATOR CONNECTION SET

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

consisting of:

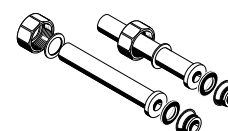
2 connection pieces (L: 120 mm) made of PP-R, Colour: white

2 metal tension rings

2 nuts, chromium plated

2 adaptors, chromium plated

2 gaskets



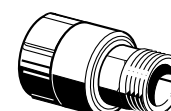
aquatherm grey pipe RADIATOR CONNECTION PIECE

with hex shaped threaded connection

Art.-No.	Dimension	PU	Price € m/pc
83306	16 x G1/2" male	10	

Material: PP-R

brass thread



aqualtherm grey pipe CONNECTING BEND

Art.-No.	Dimension	PU	Price € m/pc
85119	16x2,0mm	1	

Length: 350 mm

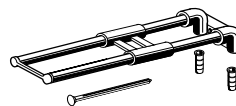
Including 2 sliding sleeves (Ø 11,7 mm) and 1 fastening plug

Material: PP-R

Colour: white

Connection with two 16 mm welding tools (Art.-No. 50206)

Suitable distances for fixing at the welding device (Art.-No. 50337) are available



aqualtherm grey pipe CONNECTING BEND

Art.-No.	Dimension	PU	Price € m/pc
85120	16x2,0mm	1	

Length: 200 mm

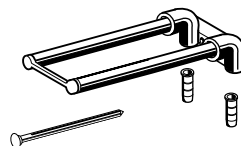
Including 2 sliding sleeves (Ø 11,7 mm) and 1 fastening plug

Material: PP-R

Colour: white

Connection with two 16 mm welding tools (Art.-No. 50206)

Suitable distances for fixing at the welding device (Art.-No. 50337) are available



aqualtherm grey pipe CONNECTING BEND

Art.-No.	Dimension	PU	Price € m/pc
85121	16x2,0mm	1	

Length: 200 mm

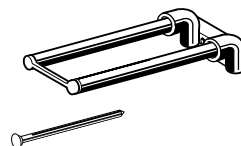
Including 1 fastening plug

Material: PP-R

Colour: white

Connection with two 16 mm welding tools (Art.-No. 50206)

Suitable distances for fixing at the welding device (Art.-No. 50337) are available



aqualtherm grey pipe DISTRIBUTION BLOCK

for skirting or floor installation

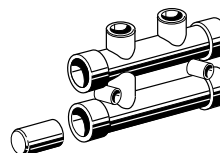
Art.-No.	Dimension	PU	Price € m/pc
85123	20/16mm	1	

Passage 20 mm, 2 branches, including 1 plug 20 mm

Material: PP-R

Colour: green

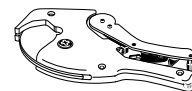
Double welding with welding-device (Art.-No. 50337) in connection with two 16 mm and two 20 mm tools is possible.



aquatherm grey pipe PIPE CUTTER

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

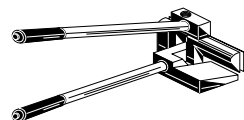
for aquatherm grey pipe- and aquatherm surface heating pipes



aquatherm grey pipe BENDING TOOL

for mounting rail Art.-No. 79090

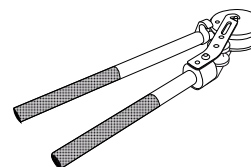
Art.-No.	Dimension	PU	Price € m/pc
50840		1	



aquatherm grey pipe MANUAL PIPE BENDING TOOL

for multi-layer metal composite pipes

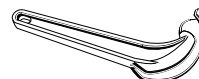
Art.-No.	Dimension	PU	Price € m/St
50970	for ø 16 mm	1	
50972	for ø 20 mm	1	



aquatherm grey pipe BENDING TEMPLATE

for multi-layer metal composite pipes

Art.-No.	Dimension	PU	Price € m/St
50874	for ø 25 mm	1	



aquatherm grey pipe EXPANDING TOOL

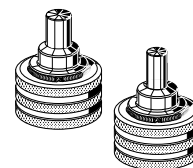
Art.-No.	Dimension	PU	Price € m/pc
50800	for ø 10-40 mm	1	



FALSE JAWS FOR THE AQUATHERM GREY PIPE-EXPANDING TOOL

for aquatherm grey pipe PB-pipes

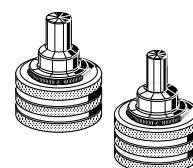
Art.-No.	Dimension	PU	Price € m/pc
50814	10 mm	1	
50815	14 mm	1	
50817	16 & 20 mm	1	
50820	25 mm	1	



FALSE JAWS FOR THE AQUATHERM GREY PIPE-EXPANDING TOOL

for aquatherm grey pipe multi-layer metal composite pipes

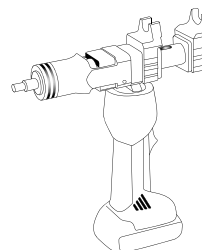
Art.-No.	Dimension	PU	Price € m/pc
50857	16 & 20 mm	1	
50860	25 mm	1	
50862	32 mm	1	
50864	40 mm	1	



aquatherm grey pipe HYDRAULIC ACCUMULATOR MOUNTING TOOL
for aquatherm grey pipe pipes

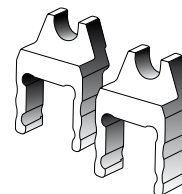
Art.-No.	Dimension	PU	Price € m/pc
50809	for ø 16-40 mm	1	

with recharger, expanding adapter and plastic suitcase



aquatherm grey pipe TOOL INSERTS
for Hydraulic accumulator aquatherm grey pipe mounting tool Art.-No. 50809

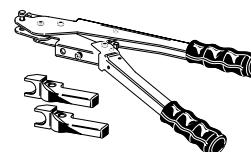
Art.-No.	Dimension	PU	Price € m/St
50875	16 mm	1	
50876	20 mm	1	
50878	25 mm	1	
50880	32 mm	1	
50882	40 mm	1	



aquatherm grey pipe MOUNTING TOOL

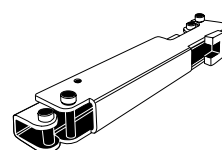
Art.-No.	Dimension	PU	Price € m/pc
50802	for ø 10-40 mm	1	

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

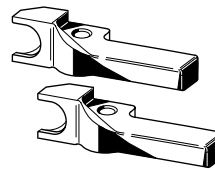
Art.-No.	Dimension	PU	Price € m/pc
50803		1	



aquatherm grey pipe TOOL INSERT

for aquatherm grey pipe mounting tool Art.-No. 50802

Art.-No.	Dimension	PU	Price € m/pc
50824	10 mm	1	
50825	14 mm	1	
50826	16 & 17 mm	1	
50828	20 mm	1	
50830	25 mm	1	
50832	32 mm	1	
50834	40 mm	1	

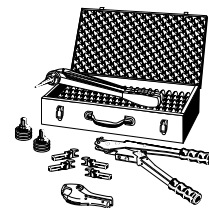


aquatherm grey pipe TOOL CASE

Art.-No.	Dimension	PU	Price € m/pc
50804	for ø 16-20 mm	1	

including:

- pipe cutter (Art.-No. 50103)
- expanding tool with false jaws
- mounting tool with tools for 16 and 20 mm (Art.-No. 50802)



Not suitable for metal composite pipe (Art.-No. 777070-777052)!

Note: Expanding and mounting tool for 25 and 32 mm (Art.-No. 50820 + 50830, 50832) as well as for aquatherm grey pipe multi-layer metal composite pipe (Art.-No. 50857, 50860, 50862) have to be ordered separately.

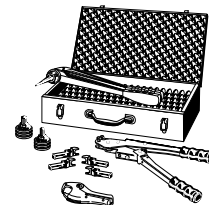
aquatherm grey pipe TOOL CASE

multi-layer metal composite pipe

Art.-No.	Dimension	PU	Price € m/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)



ATTENTION

Caused by a product change of the aquatherm grey pipe multilayer-metal composite pipe, sliding sleeves with different dimensions must necessarily be used in the processing. The base body of the fittings remains the same. For a precise marking the new article-numbers start with a 7 before the five-figure product number.

For example:

777070 aquatherm grey pipe multilayer-metal composite pipe 16 mm (formerly art.-no. 77070)

779000 aquatherm grey pipe back plate elbow 16 x 1/2" (formerly art.-no. 79000)

On processing the previous aquatherm grey pipe multilayer-metal composite pipes, art.-no. 77070-77072 and 77050-77058 the previous sliding sleeves (art.-no. 79990-79998) are used.

The same applies for the aquatherm grey pipe potable water connection pipes made of PB with the article-numbers 77000-77040.

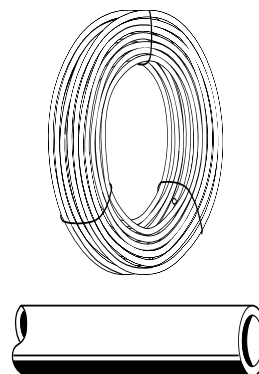
aquatherm grey pipe MULTI LAYER METAL COMPOSITE PIPE

with oxygen barrier

Art.-No.	Dimension	PU	Price € m/pc
777070	16 mm	100	
777072	20 mm	100	
... in length á 5 m			
777050	16 mm	100	
777052	20 mm	65	
777054	25 x 3,0 mm	45	
777056	32 mm	35	
... in length á 4 m			
777058	40 mm	40	

Material:	PE-X	Application field:	Potable water/heating
Colour:	white	Operating temperature:	70°C
Form supplied:	ring/straight lengths	DVGW-Registr.-No.:	DW-8216 BT0628
		according to:	DIN 4726 with oxygen barrier

Please apply only the suitable expanding tools Art.-No. 50857-50864 for the multi layer metal composite pipe.



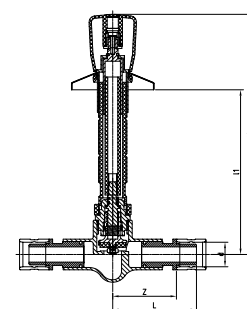
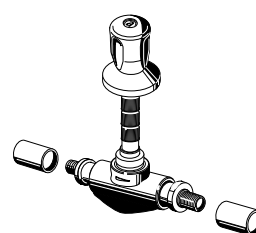
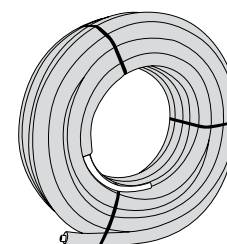
NEW aquatherm grey pipe MULTI LAYER METAL COMPOSITE PIPE

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

Art.-No.	Dimension	PU	Price € m/pc
777030	16x2mm	50	
777032	20x2mm	50	

Material:	PE-X	Operating temperature:	70°C
Colour:	white	DVGW-Registr.-No.:	DW-8216 BT0628
Form supplied:	ring	according to:	DIN 4726 with oxygen barrier
Application field:	Potable water/ heating	Coefficient of thermal conductivity:	0,040 W/mK
		Thickness of insulation:	10 mm

Please apply only the suitable expanding tools Art.-No. 50857-50864 for the multi layer metal composite pipe.

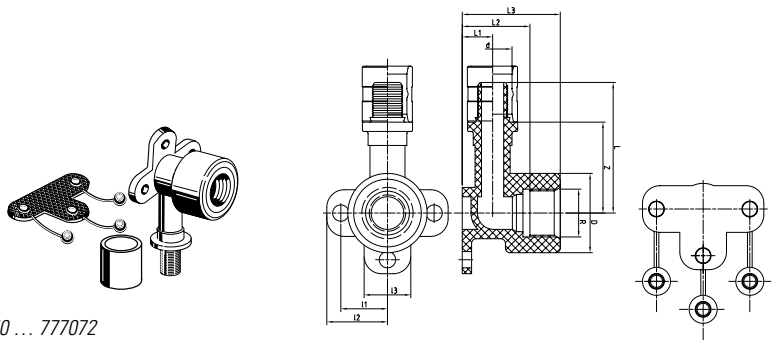


aquatherm grey pipe CONCEALED STOP VALVE

including sliding sleeve - for aquatherm grey pipe Art.-No. 777050 ... 777072

Art.-No.	d	Z	L	I1	I2	PU	Price € m/pc
779858	20	54,00	71,00	139,50	203,50	1	

suitable for construction depth from 55 mm - 100 mm



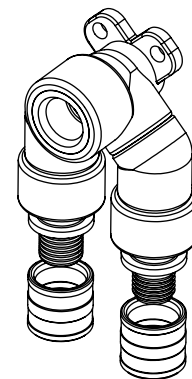
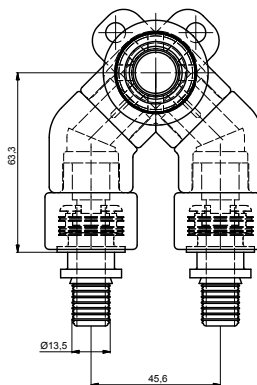
aquatherm grey pipe **BACK PLATE ELBOW**

including sliding sleeve - for aquatherm grey pipe Art.-No. 777050 ... 777072

Art.-No.	d	R	D	Z	L	L1	L2	L3	I1	I2	I3	PU	Price € m/pc
779000	16	G1/2	34,00	39,00	56,00	13,00	29,00	42,00	20,00	26,00	20,00	1	
779002	20	G3/4	40,00	42,00	59,00	13,00	29,00	42,00	25,00	31,00	20,00	1	
779004	20	G1/2	34,00	39,00	56,00	13,00	29,00	42,00	20,00	26,00	20,00	1	
779006	25	G3/4	33,00	36,00	54,00	27,00	29,00	48,00	20,00	26,00	20,00	1	

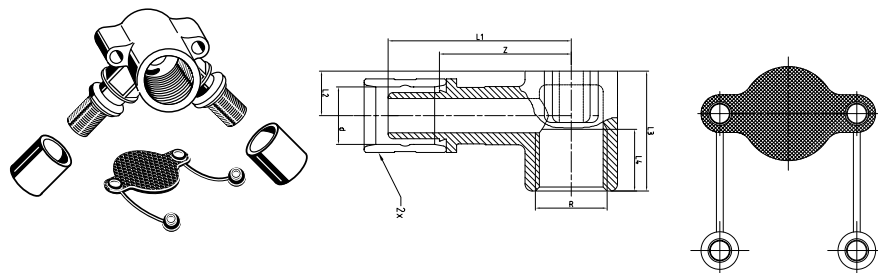
Material: PPSU/brass | including acoustic panel (PP) | proper to sound insulation plate Art.-No. 79080

NEW PRINCIPLE OF FLOW-THROUGH BACK PLATE ELBOW



NEW aquatherm grey pipe **FLOW-THROUGH BACK PLATE PARALLEL**

Art.-No.	Dimension	PU	Price € m/pc
79050	16 mm x 1/2" IG x 16 mm		
79052	20 mm x 1/2" IG x 20 mm		

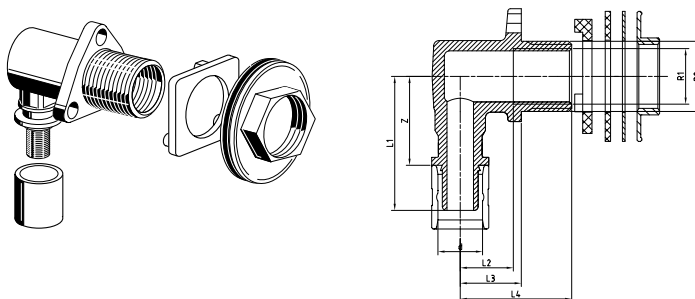


aquatherm grey pipe BACK PLATE ELBOW, TWIN

including sliding sleeves - for aquatherm grey pipe Art.-No. 777050 ... 777072

Art.-No.	d	Z	L1	L2	L3	R	L4	L5	PU	Price € m/pc
779010	16	38,50	53,50	13,00	35,00	G1/2	18,00	51,00		

Material: brass
including acoustic panel (PP)

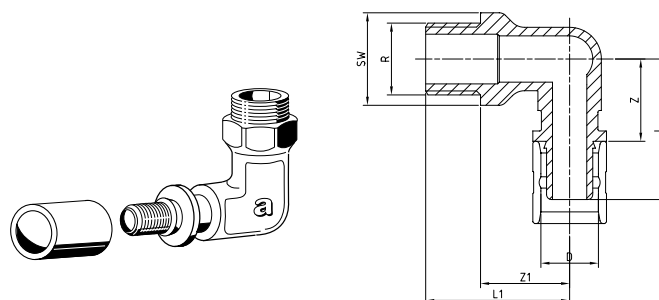


aquatherm grey pipe CONNECTING ELBOW FOR CONCEALED CISTERN

including sliding sleeve - for aquatherm grey pipe Art.-No. 777050 ... 777072

Art.-No.	d	Z	L1	L2	L3	R	L4	L5	PU	Price € m/pc
779020	16	33,50	50,50	20,00	23,00	G1/2	42,00	51,00	1	

Material: brass
including counternut, gasket and spring washer

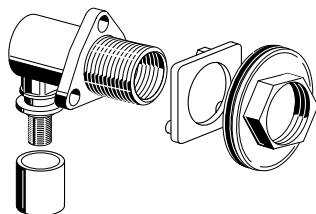


aquatherm grey pipe TRANSITION ELBOW

including sliding sleeve - for aquatherm grey pipe Art.-No. 777050 ... 777072

Art.-No.	d	R	Z	Z1	L	L1	SW	PU	Price € m/pc
779030	16	G1/2	24,00	26,00	41,00	42,00	24,00	2	
779032	20	G1/2	24,00	26,00	41,00	42,00	24,00	2	
779033	20	G3/4	25,50	21,00	42,50	38,00	-	2	
779034	25	G3/4	26,00	21,00	44,00	38,00	-	2	
779036	32	G3/4	30,00	20,00	51,00	38,00	-	2	
779038	32	G1	33,00	29,00	54,00	47,00	-	2	
779039	40	G1 1/4	42,00	35,00	36,00	73,00	42,00	1	

Material: brass



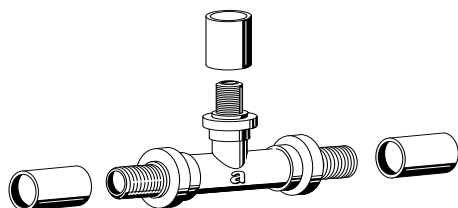
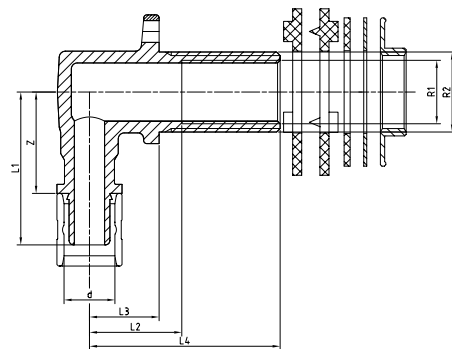
aquatherm grey pipe **CONNECTING ELBOW**

for dry construction, including sliding sleeve - for aquatherm grey pipe Art.-No. 777050 ... 777072

Art.-No.	d	R1	Z	L1	R2	L2	L3	L4	PU m/St	Price € m/pc
779040	16	G1/2	33,50	50,50	G3/4	30,50	23,00	63,00	2	

Material: brass

including counternut, gasket and 2 spring washers

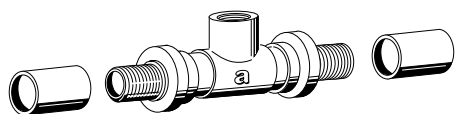
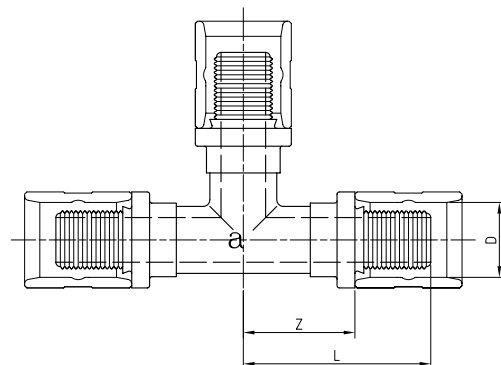


aquatherm grey pipe **TEE**

including sliding sleeves - for aquatherm grey pipe Art.-No. 777050 ... 777072

Art.-No.	d	Z	L	PU	Price € m/pc
779100	16	25,00	42,00	2	
779102	20	24,00	41,00	2	
779104	25	27,00	45,00	2	
779106	32	33,75	54,75	2	
779108	40	42,00	73,00	2	

Material: PPSU/brass

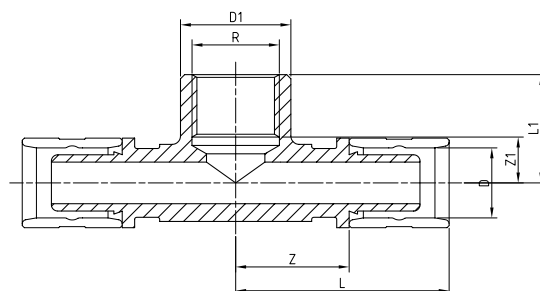


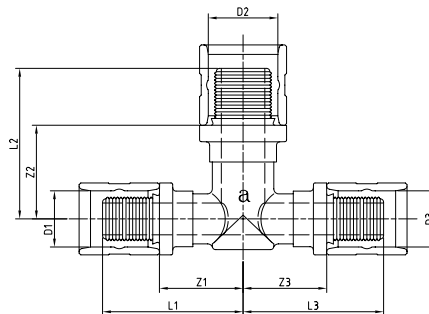
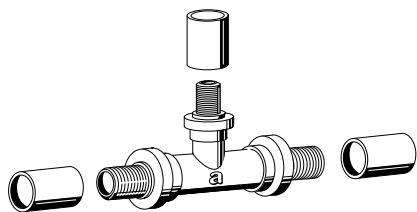
aquatherm grey pipe **TEE WITH FEMALE THREAD**

including sliding sleeve - for aquatherm grey pipe Art.-No. 777050 ... 777072

Art.-No.	d	R	Z	L	D1	L1	Z1	PU	Price € m/pc
779160	16	G1/2	27,25	44,25	26,50	26,00	11,00	2	
779162	20	G1/2	26,25	43,25	26,25	26,00	11,00	2	
779163	25	G1/2	30,00	54,00	32,00	28,00	9,00	2	
779164	25	G3/4	31,00	48,00	32,00	28,00	11,00	2	
779165	32	G1/2	31,00	58,00	32,00	30,25	10,50	1	
779166	32	G3/4	31,00	52,00	32,00	30,00	13,00	1	
779168	40	G1	42,25	77,25	42,00	38,25	18,25	1	

Material: brass

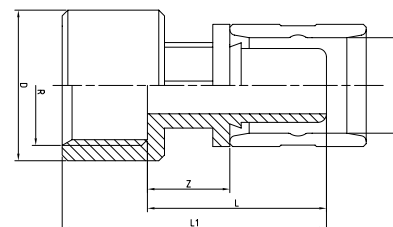
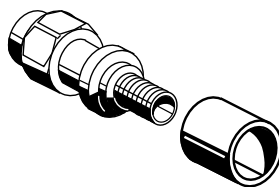




aquatherm grey pipe REDUCING TEE

including sliding sleeves - for aquatherm grey pipe Art.-No. 777050 ... 777072

Art.-No.	d1	d2	d3	Z1	L1	Z2	L2	Z3	L3	PU	Price € m/pc
779110	16	20	16	25,00	42,00	28,00	45,00	25,00	42,00	2	
779112	20	16	16	25,00	42,00	25,00	42,00	25,00	42,00	2	
779114	20	16	20	25,00	42,00	25,00	42,00	25,00	42,00	2	
779116	20	20	16	25,00	42,00	25,00	42,00	25,00	42,00	2	
779118	25	20	25	27,00	45,00	28,00	45,00	27,00	45,00	2	
779120	25	20	20	27,00	45,00	28,00	45,00	28,00	45,00	2	
779122	25	20	16	27,00	45,00	28,00	45,00	28,00	45,00	2	
779123	25	16	25	27,00	45,00	28,00	45,00	27,00	45,00	2	
779124	25	16	20	27,00	45,00	28,00	45,00	28,00	45,00	2	
779126	20	25	20	28,00	45,00	27,00	45,00	28,00	45,00	2	
779128	20	32	20	37,75	54,75	33,75	54,75	37,75	54,75	1	
779130	25	32	25	36,75	54,75	33,75	54,75	36,75	54,75	1	
779132	32	16	32	33,75	54,75	37,75	54,75	33,75	54,75	1	
779134	32	20	20	33,75	54,75	37,75	54,75	37,75	54,75	1	
779136	32	20	32	33,75	54,75	37,75	54,75	33,75	54,75	1	
779138	32	25	25	33,75	54,75	36,75	54,75	36,75	54,75	1	
779140	32	25	32	33,75	54,75	36,75	54,75	33,75	54,75	1	
779142	32	32	20	33,75	54,75	33,75	54,75	37,75	54,75	1	
779144	32	32	25	33,75	54,75	33,75	54,75	36,75	54,75	1	
779146	32	16	25	33,75	54,75	37,75	54,75	36,75	54,75	1	
779148	32	25	20	33,75	54,75	36,75	54,75	37,75	54,75	1	
779150	32	20	25	33,75	54,75	37,75	54,75	36,75	54,75	1	
779152	32	16	20	33,75	54,75	37,75	54,75	37,75	54,75	1	
779156	40	20	40	42,00	73,00	38,50	42,00	42,00	73,00	1	
779158	40	25	40	42,00	73,00	39,85	42,00	42,00	73,00	1	
779159	40	32	40	42,00	73,00	38,50	42,00	42,00	73,00	1	



aquatherm grey pipe TRANSITION PIECE

with female thread, including sliding sleeve - for aquatherm grey pipe Art.-No. 777050 ... 777072

Art.-No.	d	R	Z	L	L1	D	PU	Price € m/pc
779182	16	G1/2	14,50	31,50	46,50	26,50	2	
779184	20	G1/2	14,50	31,50	46,50	26,50	2	
779186	20	G3/4	14,50	31,50	48,50	32,50	2	
779188	25	G3/4	16,50	34,50	51,50	32,50	2	
NEW 779189	25	G1	16,50	34,50	53,50	40,00	2	
779190	32	G3/4	20,00	41,00	58,00	32,50	2	
779192	32	G1	20,00	41,00	60,00	40,00	2	
779194	40	G1 1/4	27,50	58,00	82,00	52,00	1	

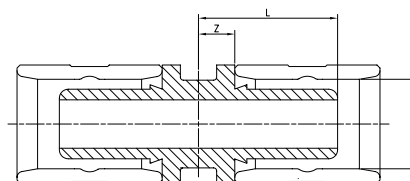
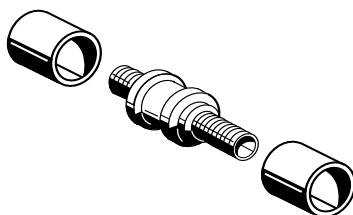
Material: brass

aquatherm grey pipe TRANSITION PIECE

with male thread, including sliding sleeve - for aquatherm grey pipe Art.-No. 777050 ... 777072

Art.-No.	d	R	Z	L	L1	PU	Price € m/pc
NEW 779199	25	G1	13,50	31,50	51,50	2	
779200	16	G1/2	11,50	28,50	44,50	2	
779202	20	G1/2	11,50	28,50	44,50	2	
779203	20	G3/4	12,50	29,50	45,50	2	
779204	25	G3/4	14,50	31,50	47,50	2	
779205	25	G1/2	11,50	29,50	45,50	2	
779206	32	G3/4	14,50	35,50	51,50	2	
779207	40	G1 1/4	23,50	55,00	74,50	1	
779208	32	G1	17,00	38,00	58,00	2	

Material: brass

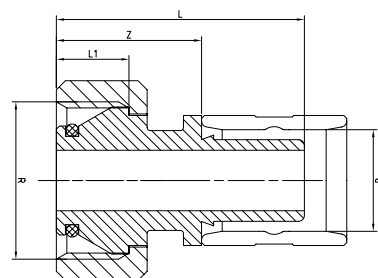
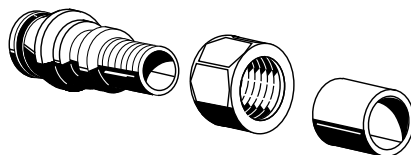


aquatherm grey pipe COUPLING

including sliding sleeves - for aquatherm grey pipe Art.-No. 777050 ... 777072

Art.-No.	d	Z	L	PU	Price € m/pc
779210	16	6,00	23,00	2	
779212	20	6,00	23,00	2	
779214	25	7,25	25,25	2	
779216	32	9,00	30,00	2	
779218	40	14,50	45,50	2	

Material: brass

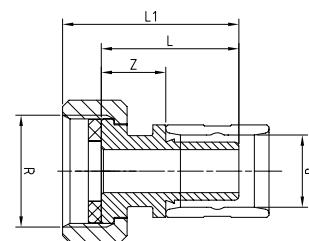
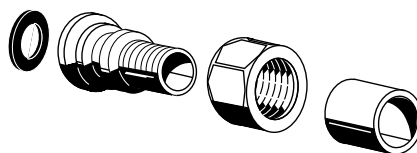


aquatherm grey pipe EUROCONUS ADAPTER

including sliding sleeve - for aquatherm grey pipe Art.-No. 777050 ... 777072

Art.-No.	d	R	Z	L	L1	PU	Price € m/pc
779220	16	G3/4	24,00	41,00	12,00	2	
779222	20	G3/4	30,00	47,00	15,00	2	

Material: brass
for customary manifolds/joints

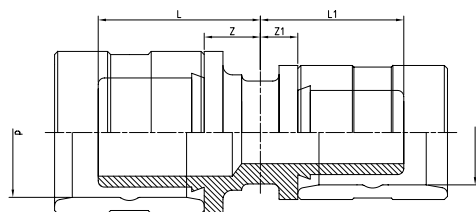
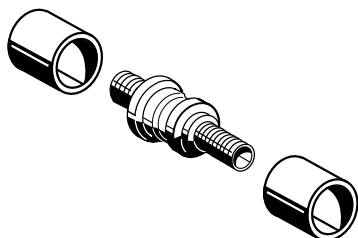


aquatherm grey pipe TRANSITION SCREW JOINT

including sliding sleeve and gasket - for aquatherm grey pipe Art.-No. 777050 ... 777072

Art.-No.	d	R	Z	L	L1	PU	Price € m/pc
779230	16	G3/4	15,00	32,00	41,00	2	
779232	20	G1	15,50	32,50	45,00	2	
779240	20	G3/4	22,00	39,00	48,00	2	
779242	25	G1	28,00	46,00	57,50	1	
779244	32	G1 1/4	29,00	50,00	61,70	1	
779246	40	G1 1/2	36,00	67,00	82,00	1	

Material: brass

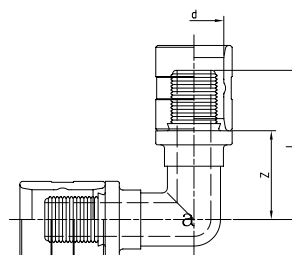
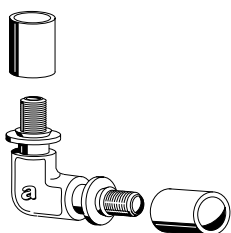


aquatherm grey pipe **REDUCING COUPLING**

including sliding sleeve - for aquatherm grey pipe Art.-No. 777050 ... 777072

Art.-No.	d	d1	Z	L	Z1	L1	PU	Price € m/pc
779250	20	16	9,00	26,00	6,00	23,00	2	
779252	25	20	10,00	28,00	6,00	23,00	2	
779254	25	16	10,00	28,00	6,00	23,00	2	
779256	32	25	11,25	32,25	7,25	25,25	1	
779258	32	20	10,75	31,75	6,25	23,25	1	
779260	32	16	11,00	32,00	6,00	23,00	1	
779268	40	32	16,75	47,75	8,25	29,25	1	
779270	40	25					1	

Material: brass

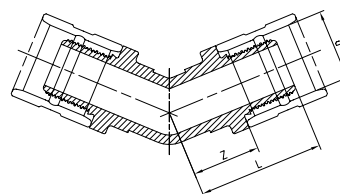
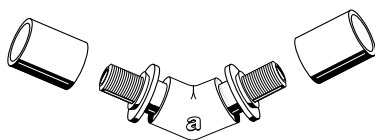


aquatherm grey pipe **ELBOW 90°**

including sliding sleeve - for aquatherm grey pipe Art.-No. 777050 ... 777072

Art.-No.	d	Z	L	PU	Price € m/pc
779300	16	25,00	42,00	2	
779302	20	25,00	42,00	2	
779304	25	27,00	45,00	2	
779306	32	33,75	54,75	1	
779308	40	42,25	73,25	1	

Material: PPSU/brass

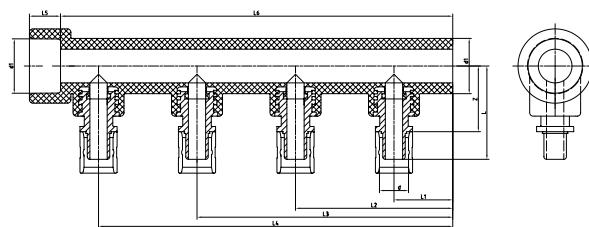
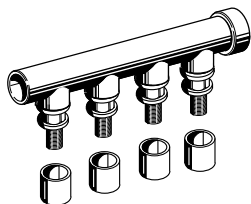


aquatherm grey pipe **ELBOW 45°**

including sliding sleeve - for aquatherm grey pipe Art.-No. 777050 ... 777072

Art.-No.	d	Z	L	PU	Price € m/pc
779322	20	20,00	37,00	2	
779324	25	22,00	40,00	2	
779326	32	26,25	47,25	2	
779328	40	31,00	62,00	1	

Material: PPSU/brass



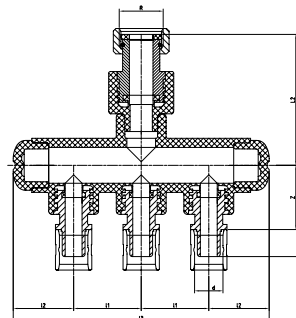
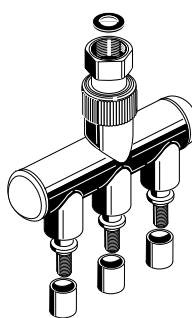
aquatherm grey pipe **FOUR-PORT MANIFOLD**

4 branches with sliding sleeve connection including sliding sleeves - for aquatherm grey pipe Art.-No. 777050 ... 777072

Art.-No.	d	d1	Z	L	L1	L2	L3	L4	L5	L6	PU	Price € m/pc
778003	16	32	38,00	54,00	34,00	91,00	148,00	205,00	18,00	227,00	2	

Material: PP-R/brass

Colour: green



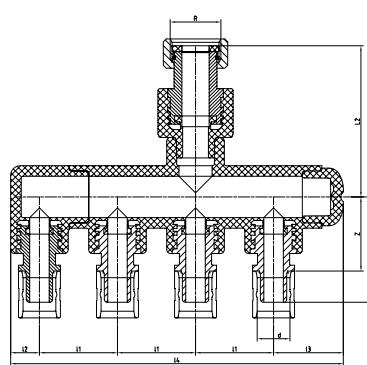
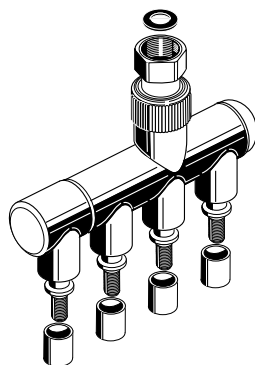
aquatherm grey pipe **UNIVERSAL MANIFOLD TRIPLE**

with water meter connecting union including sliding sleeves - for aquatherm grey pipe Art.-No. 777050 ... 777072

Art.-No.	d	R	Z	L1	L2	I1	I2	PU	Price € m/pc
778050	16	G3/4	38,00	54,00	77,50	40,00	151,50	1	
778051	16	G1	38,00	55,00	73,50	40,00	169,22	1	

Material: PP-R/brass

Colour: green



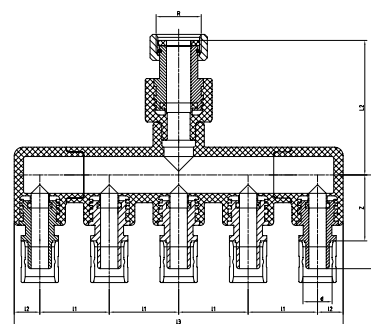
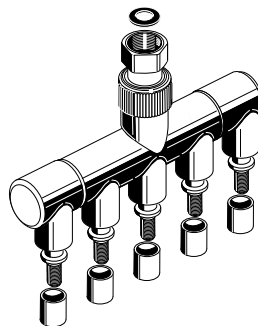
aquatherm grey pipe **UNIVERSAL MANIFOLD FOURFOLD**

with water meter connecting union including sliding sleeves - for aquatherm grey pipe Art.-No. 777050 ... 777072

Art.-No.	d	R	Z	L1	L2	I1	I2	PU	Price € m/pc
778052	16	G3/4	38,00	54,00	77,50	40,00	170,50	1	
778053	16	G1	38,00	55,00	73,50	40,00	180,50	1	

Material: PP-R/brass

Colour: green



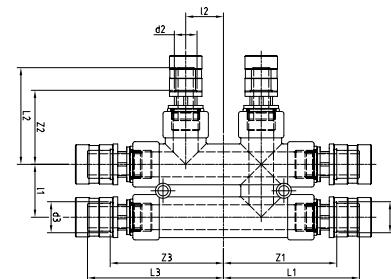
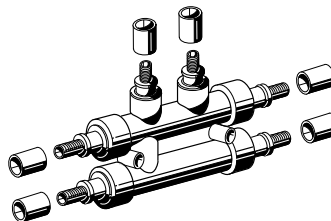
aquatherm grey pipe **UNIVERSAL MANIFOLD FIVEFOLD**

with water meter connecting union including sliding sleeves - for aquatherm grey pipe Art.-No. 777050 ... 777072

Art.-No.	d	R	Z	L1	L2	I1	I2	PU	Price € m/pc
778054	16	G3/4	38,00	54,00	77,50	40,00	189,50	1	

Material: PP-R/brass

Colour: green



aquatherm grey pipe **DISTRIBUTION BLOCK**

with sliding sleeve connection including sliding sleeves - for aquatherm grey pipe Art.-No. 777050 ... 777072

Art.-No.	d1	d2	d3	Z1	L1	Z2	L2	Z3	L3	I1	I2	PU	Price € m/pc
778200	20	16	20	75,00	90,00	49,00	64,00	75,00	90,00	35,00	50,00	1	
778201	20	20	16	73,00	90,00	48,00	65,00	73,00	89,00	35,00	50,00	1	
778202	20	16	16	73,00	90,00	48,00	64,00	73,00	89,00	35,00	50,00	1	
778204	16	20	16	73,00	89,00	48,00	65,00	73,00	89,00	35,00	50,00	1	
778206	16	16	16	73,00	89,00	48,00	64,00	73,00	89,00	35,00	50,00	1	
778208	20	20	20	73,00	90,00	48,00	65,00	73,00	90,00	35,00	50,00	1	

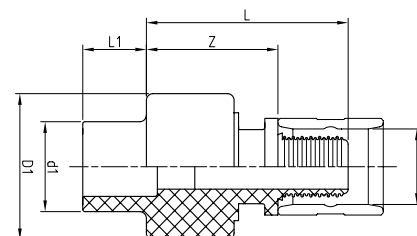
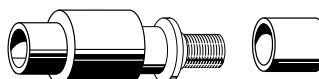
applicable as distribution end block,

including 2 end plugs

Material: PP-R/brass

Colour: green

for cross-free installations, flow rate: 10 kW, Temperature: 70/50° C



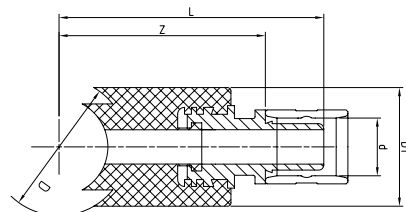
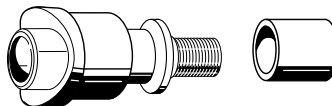
aquatherm grey pipe **ADAPTER**

to aquatherm green pipe-fittings including sliding sleeve - for aquatherm grey pipe Art.-No. 777050 ... 777072

Art.-No.	Dimension	d1	d	D1	Z	L	L1	PU	Price € m/pc
778320*	aquatherm green pipe 16 mm x aquatherm grey pipe 16 mm	16	16	32,50	31,50	47,50	13,00	2	
778300	aquatherm green pipe 20 mm x aquatherm grey pipe 16 mm	20	16	32,50	30,00	46,00	14,50	2	
778302	aquatherm green pipe 20 mm x aquatherm grey pipe 20 mm	20	20	32,50	30,00	46,00	14,50	2	
778304	aquatherm green pipe 25 mm x aquatherm grey pipe 20 mm	25	20	34,50	30,00	47,00	11,00	2	
778306	aquatherm green pipe 25 mm x aquatherm grey pipe 25 mm	25	25	34,50	30,00	47,00	12,00	2	
778308	aquatherm green pipe 32 mm x aquatherm grey pipe 25 mm	32	25	43,50	35,00	52,00	14,60	2	
778310	aquatherm green pipe 32 mm x aquatherm grey pipe 32 mm	32	32	43,50	36,00	54,00	16,00	1	
778312	aquatherm green pipe 40 mm x aquatherm grey pipe 32 mm	40	32	57,50	44,00	65,00	20,50	1	

*to aquatherm green pipe

Material: PP-R/brass



aquatherm grey pipe WELD-IN SADDLE ADAPTER

including sliding sleeve - for aquatherm grey pipe Art.-No. 777050 ... 777072

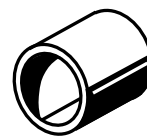
Art.-No.	Dimension	D	d	Z	L	D1	PU	Price € m/pc
778402	aquatherm green pipe 40 mm x aquatherm grey pipe 16 mm	40,00	16	60,00	77,00	34,50	2	
778404	aquatherm green pipe 40 mm x aquatherm grey pipe 20 mm	40,00	20	58,00	75,00	38,50	2	
778406	aquatherm green pipe 50 mm x aquatherm grey pipe 16 mm	50,00	16	65,00	82,00	32,50	2	
778408	aquatherm green pipe 50 mm x aquatherm grey pipe 20 mm	50,00	20	64,00	81,00	38,50	2	
778410	aquatherm green pipe 63 mm x aquatherm grey pipe 16 mm	63,00	16	71,50	88,50	34,50	2	
778412	aquatherm green pipe 63 mm x aquatherm grey pipe 20 mm	63,00	20	70,50	87,50	38,50	2	

one side for saddle welding - one side for sliding sleeve connection
Material: PP-R/brass

aquatherm grey pipe SPARE SLIDING SLEEVE

for aquatherm grey pipe Art.-No. 777050 ... 777072

Art.-No.	Dimension	PU	Price € m/pc
779990	16mm	10	
779992	20mm	10	
779994	25mm	10	
779996	32mm	10	
779998	40 mm	10	

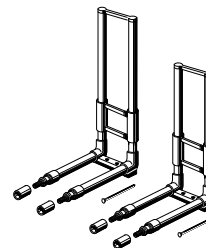


Material: brass

aquatherm grey pipe CONNECTING BEND*...

for aquatherm grey pipe Art.-No. 777050 ... 777072

Art.-No.	Dimension	PU	Price € m/pc
779500	aquatherm grey pipe-pipe connection and radiator connection 16 x 2,0 mm height= 340 mm length = 200 mm	1	
779510	aquatherm grey pipe-pipe connection and radiator connection 16 x 2,0 mm height= 200 mm length = 200 mm	1	

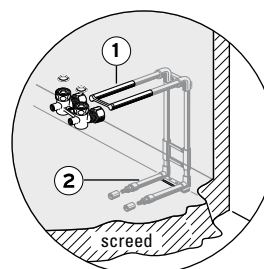


with sliding sleeve connection including sliding sleeves and one fastening plug
Pipe spacing: 50 mm
Material: PP-R/brass
Colour: white

... FOR RADIATOR CONNECTIONS COMING OUT OF THE WALL

* by welding at site, in conjunction with aquatherm grey pipe-connecting bend (Art.-No. 85120)

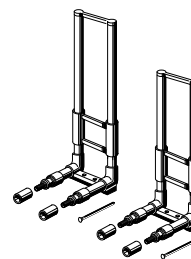
1. Art.-No.: 85120
2. Art.-No.: 79500



aquatherm grey pipe CONNECTING BEND*...

for aquatherm grey pipe Art.-No. 777050 ... 777072

Art.-No.	Dimension	PU	Price € m/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	

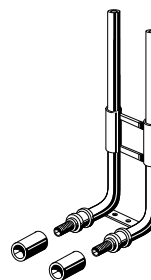


aquatherm grey pipe METAL CONNECTING BEND

for aquatherm grey pipe Art.-No. 777050 ... 777072

Art.-No.	Dimension	PU	Price € m/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 RADIATOR-T-CONNECTING SET

for aquatherm grey pipe Art.-No. 777050 ... 777072

Art.-No.	Dimension	PU	Price € m/pc
779534	aquatherm grey pipe- pipe connection 16 x 2,0 mm radiator connection 15 x 1,0 mm height = 350 mm	1	
779536	aquatherm grey pipe- pipe connection 20 x 2,0 mm radiator connection 15 x 1,0 mm height = 350 mm	1	

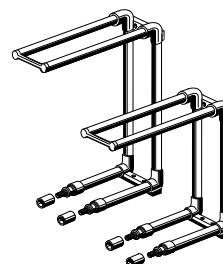
with sliding sleeve connections including sliding sleeves
Material: copper nickel-plated



aquatherm grey pipe RADIATOR CONNECTING SET

Art.-No.	Dimension	PU	Price € m/pc
779540	aquatherm grey pipe- pipe connection and radiator connection 16 x 2,0 mm height= 260 mm length = 200 mm	1	
779542	aquatherm grey pipe- pipe connection and radiator connection 16 x 2,0 mm height= 180 mm length = 200 mm	1	

with sliding sleeve connection including sliding sleeves
Material: PP-R/brass
Pipe spacing: 50 mm
Colour: white





aquatherm black system

HEATING AND COOLING SYSTEM FOR CEILING, WALL AND OTHER APPLICATIONS

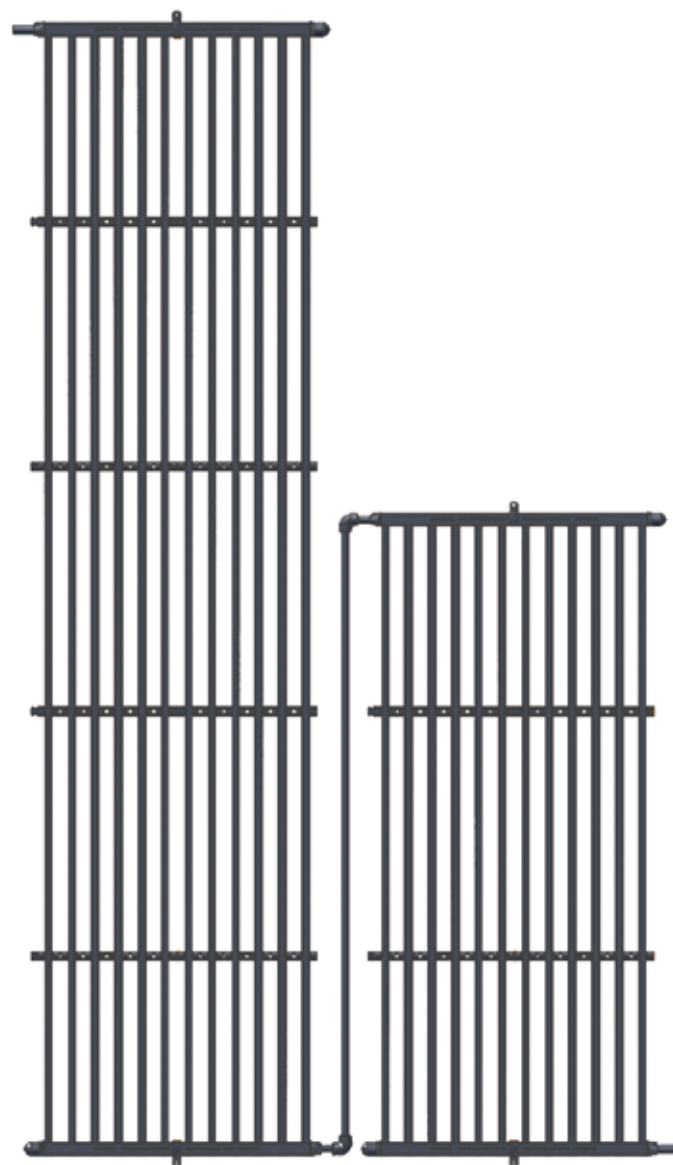
An individual's physical well being directly depends on the basic environmental conditions of the surroundings. Working efficiency varies according to temperature with every cooling degree.

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 aquatherm black delivers pleasant room conditions without noise and forced air movement. With this technology cooling or heating is simply controllable. Automatic designed change-over of heated or chilled water completes this system; allowing for individual room control within a building management system.

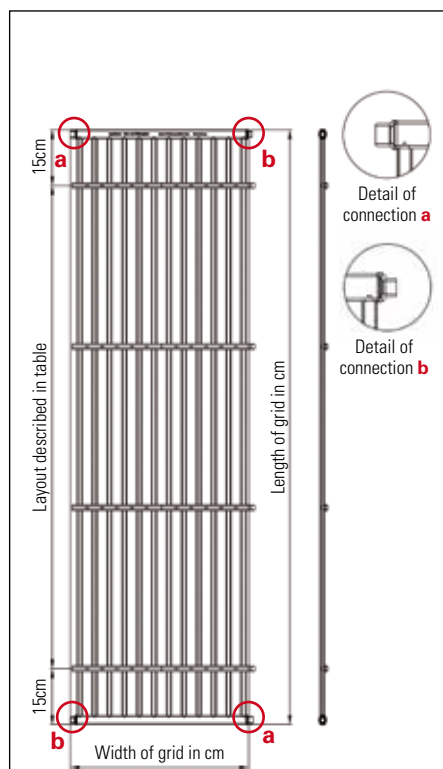
- › For wet and dry construction
- › No draughts
- › Noiseless
- › Dust reduction
- › Simple control technique
- › Thermal properties of the building are enhanced
- › System extendable
- › Quick installation thanks to high degree of prefabrication
- › Even temperature distribution
- › Safe connection techniques by thermal fusion
- › Push-fit connection for ceiling elements
- › Oxygen barrier
- › Minimal construction thickness
- › Greater architectural design freedom
- › Energy saving

aquatherm black system is exclusively made from fusiole® PP-R. The exceptional good welding properties and fusion, result in an homogeneous unit, offering a maximum in security and life span. aquatherm black is connected by fusion welding. The pipe grids can be welded directly in parallel as well as with series connection.



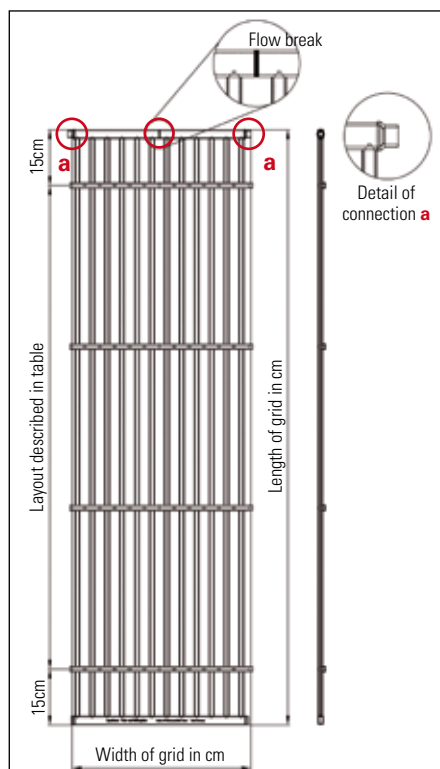
TYPES OF CONNECTION

aquatherm black system HEATING AND COOLING GRIDS



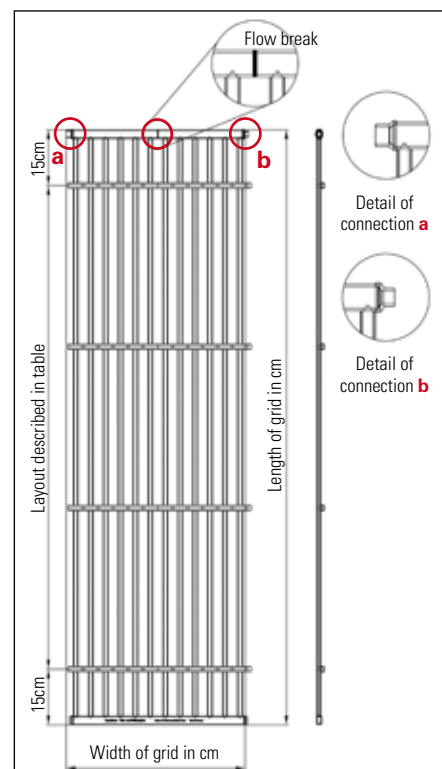
Connection type 50 =
side by side welded connections

- a** Welding socket 16mm
- b** Welding nozzle 16mm



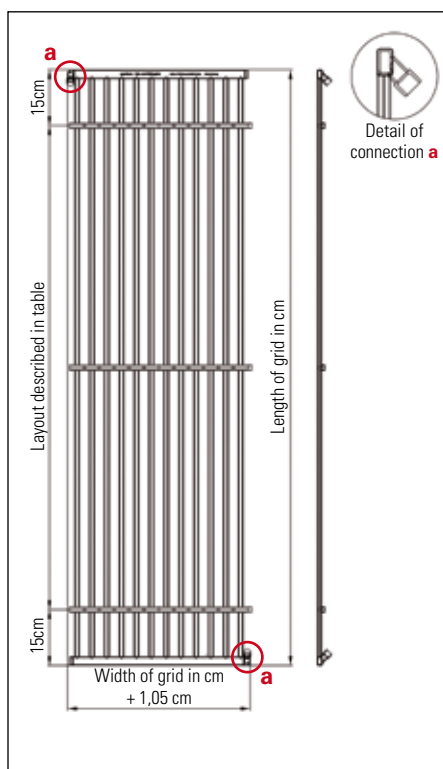
Connection type 64 =
welded connection left, right

- a** Welding socket 16mm



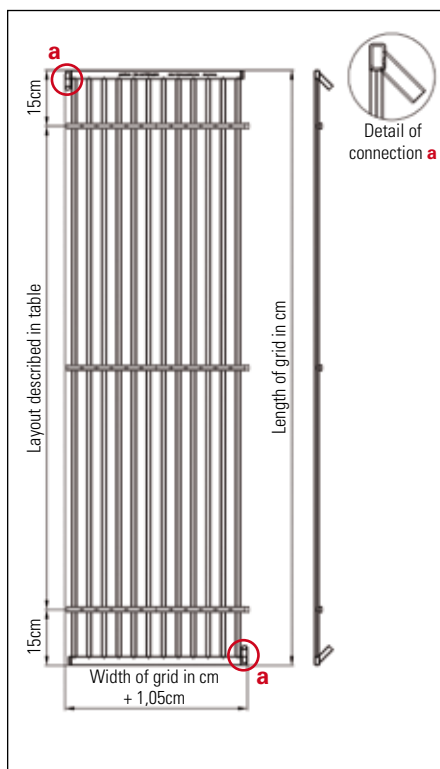
Connection type 65 = welded connection
female, left / welded connection male, right

- a** welded connection female 16 mm
- b** welded connection male 16 mm



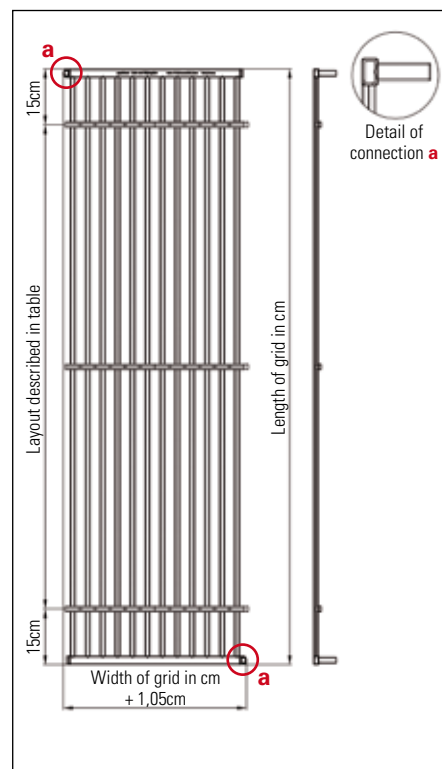
Connection type 59 =
welded connection 45° top left, lower right

- a** Welding socket 16mm



Connection type 51 = plug connection 45°
top left, lower right

- a** plug socket 16mm

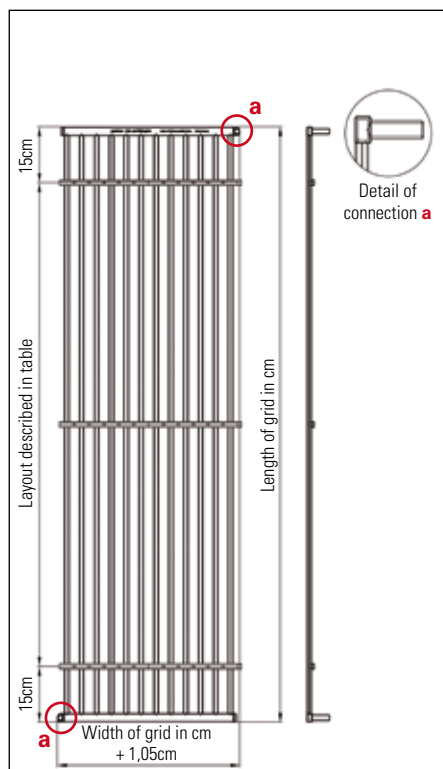


Connection type 52 = plug connection 90°
top left, lower right

- a** plug socket 16mm

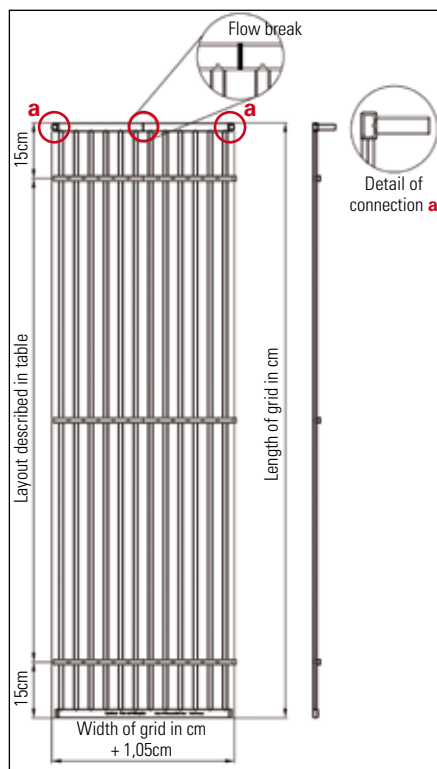
TYPES OF CONNECTION

aquatherm black system HEATING AND COOLING GRIDS



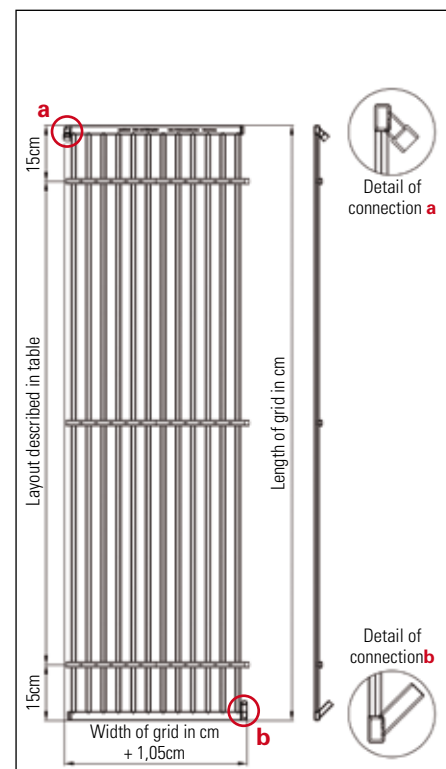
Connection type 53 = plug connection 90° top right, lower left

a plug socket 16mm



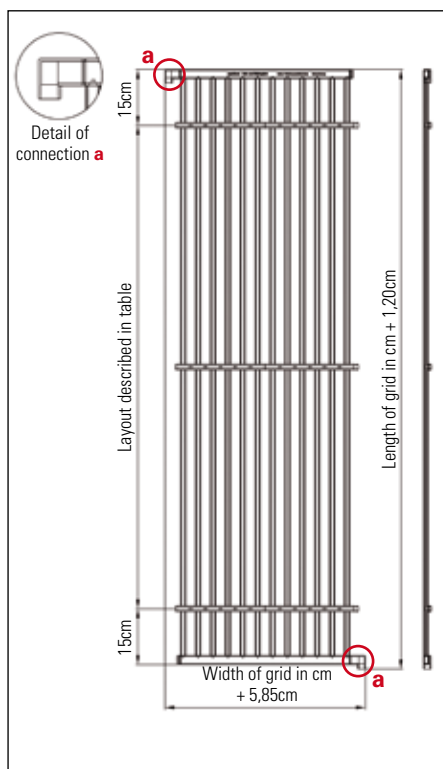
Connection type 62 = plug connection 90° links, rechts

a plug socket 16mm



Connection type 58 = welded connection 45° top left, plug connection 45° lower right

a welding socket 16mm
b plug socket 16mm



Connection type 56 = welded connection 90° top left, lower right

a welding socket 16mm

Connection types of the grids

- 50 = DD Welding connection AX
- 64 = DD Welding connection LR with flow break
- 65 = DD Welding connection LR with flow break
- 59 = 45° Welding connection TL /LR
- 51 = 45° Plug connection TL/LR
- 52 = 90° Plug connection TL/LR
- 53 = 90° Plug connection TR/LL
- 62 = 90° Plug connection LR with flow break
- 58 = 45° Welding connection TL / Plug connection LR

56 = Weldable connecting elbow TL/LR (please note: Connection type 56 only available as dry wall heating element)

L=lower, T=top, L=left, R=right, AX=axial

Width of grids		Length of grids	
24 cm	40 cm	225 cm	
28 cm	50 cm	250 cm	
32 cm	60 cm	275 cm	
36 cm	70 cm	300 cm	
40 cm	80 cm	325 cm	
48 cm	90 cm	350 cm	
56 cm	100 cm	375 cm	
60 cm	120 cm	400 cm	
68 cm	140 cm	425 cm	
80 cm	160 cm	450 cm	
100 cm	180 cm	475 cm	
	200 cm	500 cm	

Special sizes on request

Composition of the Article-numbers:

59 40 120

- 59** Connection type of the grids
- 40** Width of the grids (number of grid pipes x 4 cm)
- 120** Length of the grids (total length in cm)

Please consider the differing composition of the article number of the connection type 56:

56 62 200

- 56** Connection type of the grids
- 62** Connection internal piping (62 = PP-R 16 mm, weldable) (63 = SHT-sliding sleeve technique)

The width of the cement board is always 62,5 cm

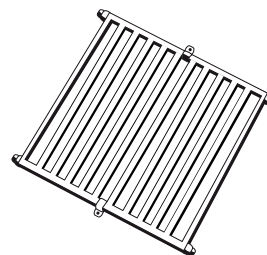
- 200** Length of gypsum plaster board (050 = Length 50 cm) (100 = Length 100 cm) (200 = Length 200 cm)

The aquatherm black system-grid with the connection type 56 is mounted on a cement board and is **only** applied for installation in a drywall.

aquatherm black system HEATING AND COOLING GRIDS

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

	Art.-No.	Wide/m	Length/m	Area/m ²	PU	Price € m/pc
NEW	5024040	0,24	0,40	0,10	1	
	5024050	0,24	0,50	0,12	1	
	5024060	0,24	0,60	0,14	1	
	5024070	0,24	0,70	0,17	1	
	5024080	0,24	0,80	0,19	1	
	5024090	0,24	0,90	0,22	1	
	5024100	0,24	1,00	0,24	1	
	5024120	0,24	1,20	0,29	1	
	5024140	0,24	1,40	0,34	1	
	5024160	0,24	1,60	0,38	1	
	5024180	0,24	1,80	0,43	1	
	5024200	0,24	2,00	0,48	1	
	5024225	0,24	2,25	0,54	1	
	5024250	0,24	2,50	0,60	1	
	5024275	0,24	2,75	0,66	1	
	5024300	0,24	3,00	0,72	1	
	5024325	0,24	3,25	0,78	1	
	5024350	0,24	3,50	0,84	1	
	5024375	0,24	3,75	0,90	1	
	5024400	0,24	4,00	0,96	1	
	5024425	0,24	4,25	1,02	1	
	5024450	0,24	4,50	1,08	1	
	5024475	0,24	4,75	1,14	1	
	5024500	0,24	5,00	1,20	1	
NEW	5028040	0,28	0,40	0,11	1	
	5028050	0,28	0,50	0,14	1	
	5028060	0,28	0,60	0,17	1	
	5028070	0,28	0,70	0,20	1	
	5028080	0,28	0,80	0,22	1	
	5028090	0,28	0,90	0,25	1	
	5028100	0,28	1,00	0,28	1	
	5028120	0,28	1,20	0,34	1	
	5028140	0,28	1,40	0,39	1	
	5028160	0,28	1,60	0,45	1	
	5028180	0,28	1,80	0,50	1	
	5028200	0,28	2,00	0,56	1	
	5028225	0,28	2,25	0,63	1	
	5028250	0,28	2,50	0,70	1	
	5028275	0,28	2,75	0,77	1	
	5028300	0,28	3,00	0,84	1	
	5028325	0,28	3,25	0,91	1	
	5028350	0,28	3,50	0,98	1	
	5028375	0,28	3,75	1,05	1	
	5028400	0,28	4,00	1,12	1	
	5028425	0,28	4,25	1,19	1	
	5028450	0,28	4,50	1,26	1	
	5028475	0,28	4,75	1,33	1	
	5028500	0,28	5,00	1,40	1	



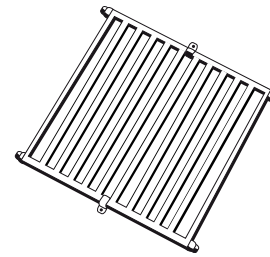
Attention:

As mentioned on pages 119 & 120 all grids are available in the mentioned connection types at same prices. Simply replace the first two figures of the article number („50“ ...) with those of the required type of connection (i. e. „64“).

Special size on request!

aquatherm black system HEATING AND COOLING GRIDS

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



Attention:

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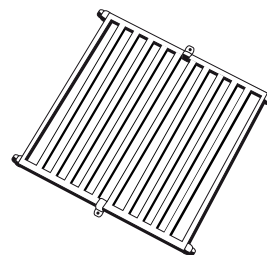
	Art.-No.	Wide/m	Length/m	Area/m ²	PU	Price € m/pc
NEW	5032040	0,32	0,40	0,13	1	
	5032050	0,32	0,50	0,16	1	
	5032060	0,32	0,60	0,19	1	
	5032070	0,32	0,70	0,22	1	
	5032080	0,32	0,80	0,26	1	
	5032090	0,32	0,90	0,29	1	
	5032100	0,32	1,00	0,32	1	
	5032120	0,32	1,20	0,38	1	
	5032140	0,32	1,40	0,45	1	
	5032160	0,32	1,60	0,51	1	
	5032180	0,32	1,80	0,58	1	
	5032200	0,32	2,00	0,64	1	
	5032225	0,32	2,25	0,72	1	
	5032250	0,32	2,50	0,80	1	
	5032275	0,32	2,75	0,88	1	
	5032300	0,32	3,00	0,96	1	
	5032325	0,32	3,25	1,04	1	
	5032350	0,32	3,50	1,12	1	
	5032375	0,32	3,75	1,20	1	
	5032400	0,32	4,00	1,28	1	
	5032425	0,32	4,25	1,36	1	
	5032450	0,32	4,50	1,44	1	
	5032475	0,32	4,75	1,52	1	
	5032500	0,32	5,00	1,60	1	
NEW	5036040	0,36	0,40	0,14	1	
	5036050	0,36	0,50	0,18	1	
	5036060	0,36	0,60	0,22	1	
	5036070	0,36	0,70	0,25	1	
	5036080	0,36	0,80	0,29	1	
	5036090	0,36	0,90	0,32	1	
	5036100	0,36	1,00	0,36	1	
	5036120	0,36	1,20	0,43	1	
	5036140	0,36	1,40	0,50	1	
	5036160	0,36	1,60	0,58	1	
	5036180	0,36	1,80	0,65	1	
	5036200	0,36	2,00	0,72	1	
	5036225	0,36	2,25	0,81	1	
	5036250	0,36	2,50	0,90	1	
	5036275	0,36	2,75	0,99	1	
	5036300	0,36	3,00	1,08	1	
	5036325	0,36	3,25	1,17	1	
	5036350	0,36	3,50	1,26	1	
	5036375	0,36	3,75	1,35	1	
	5036400	0,36	4,00	1,44	1	
	5036425	0,36	4,25	1,53	1	
	5036450	0,36	4,50	1,62	1	
	5036475	0,36	4,75	1,71	1	
	5036500	0,36	5,00	1,80	1	

Special size on request!

aquatherm black system HEATING AND COOLING GRIDS

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

	Art.-No.	Wide/m	Length/m	Area/m ²	PU	Price € m/pc
NEW	5040040	0,40	0,40	0,16	1	
	5040050	0,40	0,50	0,20	1	
	5040060	0,40	0,60	0,24	1	
	5040070	0,40	0,70	0,28	1	
	5040080	0,40	0,80	0,32	1	
	5040090	0,40	0,90	0,36	1	
	5040100	0,40	1,00	0,40	1	
	5040120	0,40	1,20	0,48	1	
	5040140	0,40	1,40	0,56	1	
	5040160	0,40	1,60	0,64	1	
	5040180	0,40	1,80	0,72	1	
	5040200	0,40	2,00	0,80	1	
	5040225	0,40	2,25	0,90	1	
	5040250	0,40	2,50	1,00	1	
	5040275	0,40	2,75	1,10	1	
	5040300	0,40	3,00	1,20	1	
	5040325	0,40	3,25	1,30	1	
	5040350	0,40	3,50	1,40	1	
	5040375	0,40	3,75	1,50	1	
	5040400	0,40	4,00	1,60	1	
	5040425	0,40	4,25	1,70	1	
	5040450	0,40	4,50	1,80	1	
	5040475	0,40	4,75	1,90	1	
	5040500	0,40	5,00	2,00	1	
NEW	5048040	0,48	0,40	0,19	1	
	5048050	0,48	0,50	0,24	1	
	5048060	0,48	0,60	0,29	1	
	5048070	0,48	0,70	0,34	1	
	5048080	0,48	0,80	0,38	1	
	5048090	0,48	0,90	0,43	1	
	5048100	0,48	1,00	0,48	1	
	5048120	0,48	1,20	0,58	1	
	5048140	0,48	1,40	0,67	1	
	5048160	0,48	1,60	0,77	1	
	5048180	0,48	1,80	0,86	1	
	5048200	0,48	2,00	0,96	1	
	5048225	0,48	2,25	1,08	1	
	5048250	0,48	2,50	1,20	1	
	5048275	0,48	2,75	1,32	1	
	5048300	0,48	3,00	1,44	1	
	5048325	0,48	3,25	1,56	1	
	5048350	0,48	3,50	1,68	1	
	5048375	0,48	3,75	1,80	1	
	5048400	0,48	4,00	1,92	1	
	5048425	0,48	4,25	2,04	1	
	5048450	0,48	4,50	2,16	1	
	5048475	0,48	4,75	2,28	1	
	5048500	0,48	5,00	2,40	1	



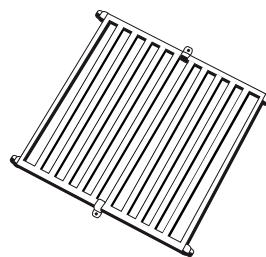
Attention:

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Special size on request!

aquatherm black system HEATING AND COOLING GRIDS

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



Attention:

As mentioned on pages 119 & 120 all grids are available in the mentioned connection types at same prices. Simply replace the first two figures of the article number („50“ ...) with those of the required type of connection (i. e. „64“ ...).

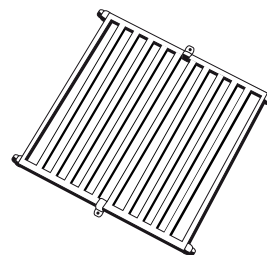
	Art.-No.	Wide/m	Length/m	Area/m ²	PU	Price € m/pc
NEW	5056040	0,56	0,40	0,22	1	
	5056050	0,56	0,50	0,28	1	
	5056060	0,56	0,60	0,34	1	
	5056070	0,56	0,70	0,39	1	
	5056080	0,56	0,80	0,45	1	
	5056090	0,56	0,90	0,50	1	
	5056100	0,56	1,00	0,56	1	
	5056120	0,56	1,20	0,67	1	
	5056140	0,56	1,40	0,78	1	
	5056160	0,56	1,60	0,90	1	
	5056180	0,56	1,80	1,01	1	
	5056200	0,56	2,00	1,12	1	
	5056225	0,56	2,25	1,26	1	
	5056250	0,56	2,50	1,40	1	
	5056275	0,56	2,75	1,54	1	
	5056300	0,56	3,00	1,68	1	
	5056325	0,56	3,25	1,82	1	
	5056350	0,56	3,50	1,96	1	
	5056375	0,56	3,75	2,10	1	
	5056400	0,56	4,00	2,24	1	
	5056425	0,56	4,25	2,38	1	
	5056450	0,56	4,50	2,52	1	
	5056475	0,56	4,75	2,66	1	
	5056500	0,56	5,00	2,80	1	
NEW	5060040	0,60	0,40	0,24	1	
	5060050	0,60	0,50	0,30	1	
	5060060	0,60	0,60	0,36	1	
	5060070	0,60	0,70	0,42	1	
	5060080	0,60	0,80	0,48	1	
	5060090	0,60	0,90	0,54	1	
	5060100	0,60	1,00	0,60	1	
	5060120	0,60	1,20	0,72	1	
	5060140	0,60	1,40	0,84	1	
	5060160	0,60	1,60	0,96	1	
	5060180	0,60	1,80	1,08	1	
	5060200	0,60	2,00	1,20	1	
	5060225	0,60	2,25	1,35	1	
	5060250	0,60	2,50	1,50	1	
	5060275	0,60	2,75	1,65	1	
	5060300	0,60	3,00	1,80	1	
	5060325	0,60	3,25	1,95	1	
	5060350	0,60	3,50	2,10	1	
	5060375	0,60	3,75	2,25	1	
	5060400	0,60	4,00	2,40	1	
	5060425	0,60	4,25	2,55	1	
	5060450	0,60	4,50	2,70	1	
	5060475	0,60	4,75	2,85	1	
	5060500	0,60	5,00	3,00	1	

Special size on request!

aquatherm black system HEATING AND COOLING GRIDS

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

	Art.-No.	Wide/m	Length/m	Area/m ²	PU	Price € m/pc
NEW	5068040	0,68	0,40	0,27	1	
	5068050	0,68	0,50	0,34	1	
	5068060	0,68	0,60	0,41	1	
	5068070	0,68	0,70	0,48	1	
	5068080	0,68	0,80	0,54	1	
	5068090	0,68	0,90	0,61	1	
	5068100	0,68	1,00	0,68	1	
	5068120	0,68	1,20	0,82	1	
	5068140	0,68	1,40	0,95	1	
	5068160	0,68	1,60	1,09	1	
	5068180	0,68	1,80	1,22	1	
	5068200	0,68	2,00	1,36	1	
	5068225	0,68	2,25	1,53	1	
	5068250	0,68	2,50	1,70	1	
	5068275	0,68	2,75	1,87	1	
	5068300	0,68	3,00	2,04	1	
	5068325	0,68	3,25	2,21	1	
	5068350	0,68	3,50	2,38	1	
	5068375	0,68	3,75	2,55	1	
	5068400	0,68	4,00	2,72	1	
	5068425	0,68	4,25	2,89	1	
	5068450	0,68	4,50	3,06	1	
	5068475	0,68	4,75	3,23	1	
	5068500	0,68	5,00	3,40	1	
NEW	5080040	0,80	0,40	0,32	1	
	5080050	0,80	0,50	0,40	1	
	5080060	0,80	0,60	0,48	1	
	5080070	0,80	0,70	0,56	1	
	5080080	0,80	0,80	0,64	1	
	5080090	0,80	0,90	0,72	1	
	5080100	0,80	1,00	0,80	1	
	5080120	0,80	1,20	0,96	1	
	5080140	0,80	1,40	1,12	1	
	5080160	0,80	1,60	1,28	1	
	5080180	0,80	1,80	1,44	1	
	5080200	0,80	2,00	1,60	1	
	5080225	0,80	2,25	1,80	1	
	5080250	0,80	2,50	2,00	1	
	5080275	0,80	2,75	2,20	1	
	5080300	0,80	3,00	2,40	1	
	5080325	0,80	3,25	2,60	1	
	5080350	0,80	3,50	2,80	1	
	5080375	0,80	3,75	3,00	1	
	5080400	0,80	4,00	3,20	1	
	5080425	0,80	4,25	3,40	1	
	5080450	0,80	4,50	3,60	1	
	5080475	0,80	4,75	3,80	1	
	5080500	0,80	5,00	4,00	1	



Attention:

As mentioned on pages 119 & 120 all grids are available in the mentioned connection types at same prices. Simply replace the first two figures of the article number („50“ ...) with those of the required type of connection (i. e. „64“).

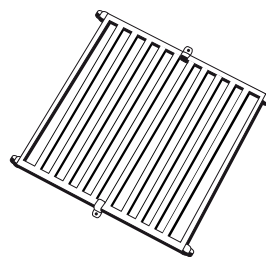
Special size on request!

aquatherm black system HEATING AND COOLING GRIDS

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

	Art.-No.	Wide/m	Length/m	Area/m ²	PU	Price € m/pc
NEW	5000040	1,00	0,40	0,40	1	
	5000050	1,00	0,50	0,50	1	
	5000060	1,00	0,60	0,60	1	
	5000070	1,00	0,70	0,70	1	
	5000080	1,00	0,80	0,80	1	
	5000090	1,00	0,90	0,90	1	
	5000100	1,00	1,00	1,00	1	
	5000120	1,00	1,20	1,20	1	
	5000140	1,00	1,40	1,40	1	
	5000160	1,00	1,60	1,60	1	
	5000180	1,00	1,80	1,80	1	
	5000200	1,00	2,00	2,00	1	
	5000225	1,00	2,25	2,25	1	
	5000250	1,00	2,50	2,50	1	
	5000275	1,00	2,75	2,75	1	
	5000300	1,00	3,00	3,00	1	
	5000325	1,00	3,25	3,25	1	
	5000350	1,00	3,50	3,50	1	
	5000375	1,00	3,75	3,75	1	
	5000400	1,00	4,00	4,00	1	
	5000425	1,00	4,25	4,25	1	
	5000450	1,00	4,50	4,50	1	
	5000475	1,00	4,75	4,75	1	
	5000500	1,00	5,00	5,00	1	

Special size on request!



Attention:

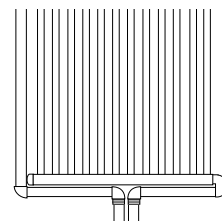
As mentioned on pages 119 & 120 all grids are available in the mentioned connection types at same prices. Simply replace the first two figures of the article number („50“ ...) with those of the required type of connection (i. e. „64“ ...).

aquatherm black system DRY WALL HEATING ELEMENT

oxygen-tight, with pipe nozzle for welding connection

Art.-No.	Dimension	Dimension of the grids	PU	Price € m/pc
5662050	62,5 x 50 cm	48 cm x 45 cm	2	
5662100	62,5 x 100 cm	48 cm x 87 cm	2	
5662200	62,5 x 200 cm	48 cm x 187 cm	2	

Connection: PP-R 16 mm, weldable



aquatherm black system CORRUGATED CONNECTING PIPE

oxygen-tight, weldable, for Art.-No. 5662050-5662200

Art.-No.	Dimension	PU	Price € m/pc
81044	59,5 cm	1	

with twosided 90° elbow

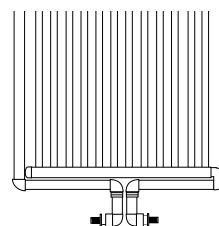


aquatherm black system DRY WALL HEATING ELEMENT

oxygen tight, with aquatherm grey pipe connection

Art.-No.	Dimension	Dimension of the grids	PU	Price € m/pc
5663050	62,5 x 50 cm	48 cm x 45 cm	1	
5663100	62,5 x 100 cm	48 cm x 87 cm	1	
5663200	62,5 x 200 cm	48 cm x 187 cm	1	

Connection: aquatherm grey pipe- sliding sleeve technology

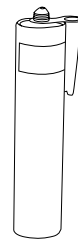


aquatherm black system JOINT ADHESIVE

for aquatherm black system - dry wall heating element

Art.-No.	Dimension	PU	Price € m/pc
81003	for 310 mm cartridge	1	

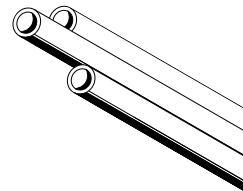
The Fermacell-joint adhesive and further Fermacell products (drywall screws etc.) may be purchased directly at wholesale.



aquatherm black system PP-GRID CONNECTION PIPE

with oxygen barrier, in 2.5 m lengths

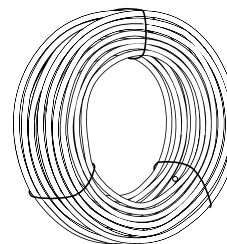
Art.-No.	Dimension	PU	Price € m/pc
81006	16 mm	50	
81008	20 mm	50	



aquatherm black system PP-GRID CONNECTION PIPE

with oxygen barrier, in ring

Art.-No.	Dimension	PU	Price € m/pc
81026	16 mm	100	
81028	20 mm	100	



aquatherm black system CORRUGATED CONNECTING PIPE

with oxygen barrier, in ring

Art.-No.	Dimension	PU	Price € m/pc
81039		50	

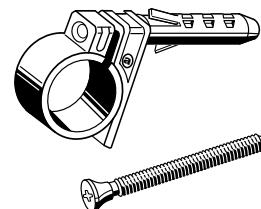
Connectable by welding with Art. 81288, 81289, 81290, 81291 separable every 25 cm



PLASTIC PIPE CLAMPS

Art.-No.	For pipe dimension	PU	Price € m/pc
60716	16 mm	50	
60720	20 mm	50	

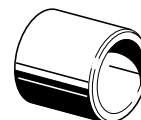
Colour: antrazit



aquatherm black system SOCKET

for heating and cooling grids

Art.-No.	Dimension	PU	Price € m/pc
81050	16 mm	10	



aquatherm black system ELBOW 90°

for heating and cooling grids

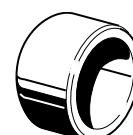
Art.-No.	Dimension	PU	Price € m/pc
81060	16 mm	10	



aquatherm black system END CAP

for heating and cooling grids

Art.-No.	Dimension	PU	Price € m/pc
81080	16 mm	10	



aquatherm black system PP-R MALE END PLUG*for heating and cooling grids - type of connection: 50*

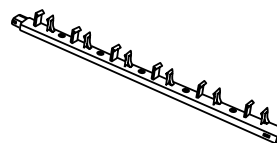
Art.-No.	Dimension	PU	Price € m/pc
81092	16 mm	50	

**aquatherm black system ELBOW 90°***male/female*

Art.-No.	Dimension	PU	Price € m/pc
81065	16 mm	10	

**aquatherm black system FIXING RAIL***for heating and cooling grids*

Art.-No.	Dimension	PU	Price € m/pc
81506	Length = 24 cm	10	

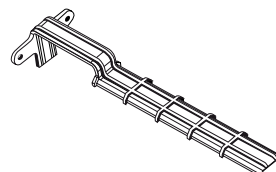
**aquatherm black system WALL BRACKET***for heating and cooling grids*

Art.-No.	Dimension	PU	Price € m/pc
81296		10	

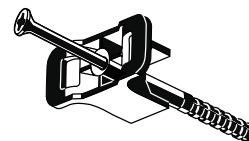
**aquatherm black system FIXING RAIL FOR DRY WALL***for heating and cooling grids*

Art.-No.	Dimension	PU	Price € m/pc
81297		10	

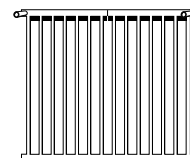
Please note, when ordering the fixing rail for drywall art.-no. 81297, that for each rail two cable ties with the art.-no. 99086 have to be ordered.

**aquatherm black system FIXING CLAMP WITH WALL PLUG***for wall and ceiling installation*

Art.-No.	Dimension	PU	Price € m/pc
81298		10	

**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	PU	Price € m/pc
6256060	for ceiling panels 62,5 x 62,5 weldable	1	
6256056	for ceiling panels 60,0 x 60,0 weldable	1	
6252056	for ceiling panels 60,0 x 60,0 push-fit connection	1	
6256120	for ceiling panels 62,5 x 125,0 push-fit connection	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 CORRUGATED CONNECTING PIPE

with oxygen barrier, for connection types 51, 52, 53 and 62

Art.-No.	Dimension	PU	Price € m/pc
81030	L 1,25m with elbow double sided push-fit connection	1	
81031	L 0,5m with elbow push-fit connection/weldable	1	
81032	L 0,5m with elbow double sided push-fit connection	1	
81033	L 1,25 m double sided push-fit connection	1	
81034	L 1,25 m with elbow push-fit connection / on one side rotated by 90°	1	
81035	L 1,5m with elbow double sided push-fit connection	1	
81036	L 1,75m with elbow double sided push-fit connection	1	
81040	Length= 57 cm, double sided push-fit connection	10	
81041	Length = 57 cm, one-sided push-fit connection, one sided aquatherm grey pipe 16 mm	10	
81042	Length = 57 cm, one sided push-fit connection, one sided PP-R 16 mm weldable	10	

with safety pin



aquatherm black system THERMOGRAPHY FILM

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

Art.-No.	Dimension	PU	Price € m/pc
50186	160 x 70 mm	1	



NEU aquatherm black system ADHESIVE

For the adhesion of aquatherm black system grids on the acoustics fleece or metal ceiling panels

Art.-No.	Dimension	PU	Price € m/pc
81192	9 kg package	9	
81193	22 kg package	22	

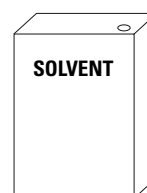
For the adhesion in metal ceiling panels the aquatherm black system adhesive is used diluted with the aquatherm black system solvent (Art.-No. 81194/81195) in the ratio of up to maximum 5:1. The adhesive is dosed sparingly and applied on the grids by a role. Then the grid is directly placed into the metal panel and pressed on. The approximate value for the consumption is about 35g/m².



NEU aquatherm black system SOLVENT

Art.-No.	Dimension	PU	Price € m/pc
81194	4 kg package	4	
81195	9 kg package	9	

For the adhesion in metal ceiling panels the aquatherm black system adhesive (Art.-No. 81192/81193) is used diluted with the aquatherm black system solvent in the ratio of up to maximum 5:1. The adhesive is dosed sparingly and applied on the grids by a role. Then the grid is directly placed into the metal panel and pressed on. The approximate value for the consumption is about 35g/m².

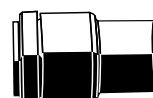


aquatherm black system CONNECTOR

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

Art.-No.	Dimension	PU	Price € m/pc
81288	16 mm	20	

with safety pin

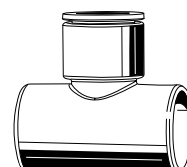


aquatherm black system T-ADAPTER

passage PP-R weldable / branch 16 mm plugable

Art.-No.	Dimension	PU	Price € m/pc
81289	25 x 16 x 25 mm	10	

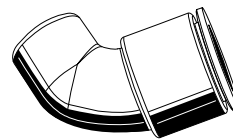
with safety pin



aquatherm black system 90° ELBOW-ADAPTER*onesided plugable / onesided PP-R 16 mm weldable*

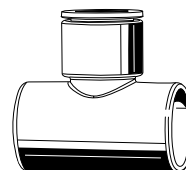
Art.-No.	Dimension	PU	Price € m/pc
81290	16 mm	10	

with safety pin

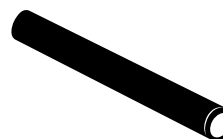
**aquatherm black system 45° ELBOW-ADAPTER***onesided plugable / onesided PP-R 16 mm weldable*

Art.-No.	Dimension	PU	Price € m/pc
81291	16 mm	10	

with safety pin

**aquatherm black system DOUBLE SOCKET***calibrated pipe nipple for connection of plug adapter*

Art.-No.	Dimension	PU	Price € m/pc
81093	16 x 2 mm, Length: 150 mm		

**NEW aquatherm black system GRID CONNECTION SETS***or all types of connection - for details and figures of the connections see page 119 and 120*

Art.-No.	for con- nection type	consisting of	PU	Price € m/pc
81099	51	2x end cap, 2x 45° plug connection	10	
81100	50	2x welding socket, 2x welding nozzle	10	
81102	52	2x end cap, 2x 90° plug connection	10	
81103	53	2x end cap, 2x 90° plug connection	10	
81106	56	2x end cap, 2x 90° connecting elbow	10	
81108	58	2x end cap, 1x 45° plug connection, 1x 45° welding socket	10	
81109	59	2x end cap, 2x 45° welding socket	10	
81112	62	2x end cap, 2x 90° plug connection	10	
81114	64	2x end cap, 2x welding socket	10	
81115	65	2x end cap, 1x welding socket, 1x welding nozzle	10	

aquatherm black system SEALING PLUG*for wall and ceiling grids*

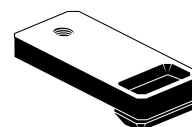
Art.-No.	Dimension	PU	Price € m/pc
81091	12 mm	10	

welding tool for sealing plug Art.-No. 50285 see tools

**NEW aquatherm black system WELDING TOOL**

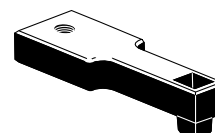
Art.-No.	Dimension	PU	Price € m/pc
50283	14 x 24 mm	1	

for grid connection sets 81099, 81100, 81102, 81103, 81106, 81108, 81109, 81112, 81114, 81115

**aquatherm black system WELDING TOOL**

Art.-No.	Dimension	PU	Price € m/pc
50285	12 x 12 mm	1	

for sealing plug Art.-No. 81091





aquatherm orange system

SURFACE HEATING AND COOLING SYSTEMS

aquatherm has reached a very successful market position in the field of underfloor heating just after its foundation.

Constant development on the technical know-how and the great experience gained in the field of underfloor heating installations in different projects over years, have led to the fact, that aquatherm is always one step ahead, also in special applications.

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

- ▶ underfloor heating systems
- ▶ wall heating systems / chilled applications
- ▶ heating systems for renovations and new buildings
- ▶ open space heating
- ▶ industrial floor heating
- ▶ sports floor heating
- ▶ under-soil heating
- ▶ agricultural applications

FIELDS OF APPLICTION



Flexible sports floor



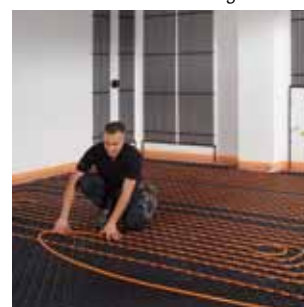
Open space heating



Industrial floor heating



Chilled area, ice stadium



Underfloor heating living area



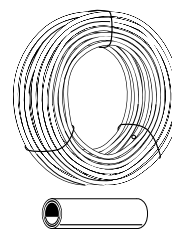
Undersoil pitch heating

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

with oxygen barrier according to DIN

Art.-No.	Dimension	PU	Price € m/pc
90020	10 x 1,25 mm	250	
90024	14 x 2,0 mm	250	
90034	14 x 2,0 mm	500	
90026	16 x 2,0 mm	250	
90036	16 x 2,0 mm	500	
90027	17 x 2,0 mm	250	
90037	17 x 2,0 mm	500	
90028	20 x 2,0 mm	250	
90038	20 x 2,0 mm	500	
90030	25 x 2,3 mm	250	

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

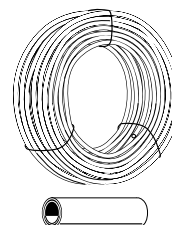


aquatherm orange system SURFACE HEATING AND RADIATOR CONNECTING PIPE (PB)

with oxygen barrier according to DIN

Art.-No.	Dimension	PU	Price € m/pc
90306	16 x 2,0 mm	250	
90307	17 x 2,0 mm	250	
90316	16 x 2,0 mm	500	
90317	17 x 2,0 mm	500	

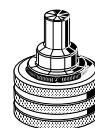
Material: PB with EVOH coating
oxygen barrier according to DIN 4726/4727/16968
Colour: grey



FALSE JAW FOR THE AQUATHERM GREY PIPE-EXPANDING TOOL

for aquatherm orange system PE-RT-pipes
in combination with aquatherm grey pipe expanding tool art.-no. 50800

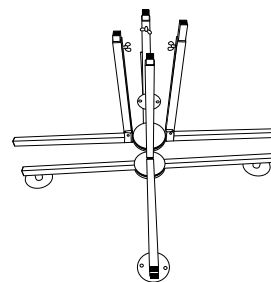
Art.-No.	Dimension	PU	Price € m/pc
50823	17 mm	1	



aquatherm orange system PIPE HASP

Art.-No.	Dimension	PU	Price € m/pc
96004		1	

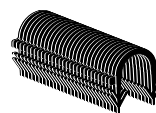
for winding the heating pipe



aquatherm orange system PIPE CLAMP

Art.-No.	for pipe dimensions	PU	Price € m/pc
90502	ø 14-17 mm	100	
90504	ø 14-20 mm tacker	500	

for aquatherm orange system-underfloor heating pipes
Material: Polyamid



aquatherm orange system TACKER

Art.-No.	Dimension	PU	Price € m/pc
96003		1	

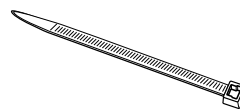
Note: Applicable with Art.- No 90504
for fixing of heating pipe with pipe clips on the aquatherm orange system-system elements



aquatherm orange system CABLE TIE

for industrial surface heating

Art.-No.	Dimension	PU	Price € m/pc
99086	Length: 200 mm	100	

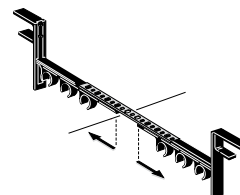


aquatherm orange system PIPE GUIDING RAIL

for surface flexible sports floor, adjustable in length and height

Art.-No.	for pipe dimensions	PU	Price € m/pc
90510	Ø 20 mm	150	

Material: Polyamid



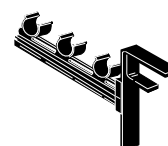
aquatherm orange system END RAIL

for surface flexible sports floor, adjustable in height

Art.-No.	for pipe dimensions	PU	Price € m/pc
90511	Ø 20 mm	20	

available only as a part of the complete system

Material: Polyamid

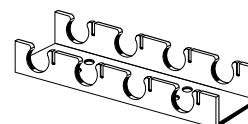


aquatherm orange system PROFILE RAIL

for wall heating, surface heating and industrial heating

Art.-No.	for pipe dimensions	PU	Price € m/pc
90512	ø 10 mm - adhesive	2	
90515	ø 14 mm - adhesive	2	
90517	ø 16 mm - adhesive	2	
90518	ø 20 mm	2	
90520	ø 25 mm	2	

Material: Polyamid

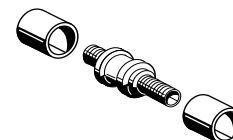


aquatherm orange system COUPLING

for PE-RT and PB pipes, including sliding sleeve

Art.-No.	Dimension	PU	Price € m/pc
95500	10 mm	1	
79209	14 mm	2	
79210	16 mm	2	
95537	17 mm	1	
79212	20 mm	2	
79214	25 mm	2	

Material: brass

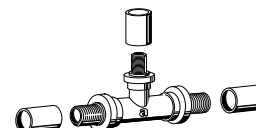


aquatherm orange system REDUCER TEE

including sliding sleeve

Art.-No.	Dimension	PU	Price € m/pc
95502	16 x 10 x 10 mm	1	
95504	16 x 10 x 16 mm	1	

Material: PPSU

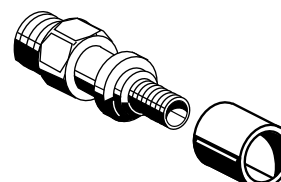


aquatherm orange system TRANSITION PIECE, MALE

including sliding sleeve

Art.-No.	Dimension	PU	Price € m/pc
95510	10 x 1,25 mm x 3/8"	1	
95512	10 x 1,25 mm x 1/2"	1	

Material: brass



aquatherm orange system SYSTEM ELEMENT 25

for surface heating

Art.-No.	Dimension	PU	Price € m/pc
91039	L = 1005 mm, W = 750 mm, H = 25 mm	17	

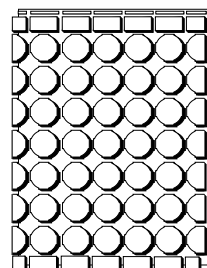
Material: EPS-DEO dh - WLG 035 200kPa with interlocking seam for connecting the plates

– Pipe spacing 125 mm resp. 250 mm for surface heating pipes 14 mm

– Pipe requirement = 8 m/m² with pipe spacing of 125 mm

– Pipe requirement = 4 m/m² with pipe spacing of 250 mm

R_λB D_ä = 0,714 m² K/W

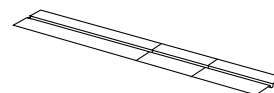


aquatherm orange system HEAT CONDUCTING STEEL SHEET

for installation into system element 25

Art.-No.	Dimension	PU	Price € m/pc
91041	L = 750 mm, W = 120 mm	50	

Requirement: 10 Pcs/m² pipe spacing 125 mm / 5 Pcs/m² pipe spacing 250 mm



aquatherm orange system SYSTEM ELEMENT KNOB PLATE F ND 11

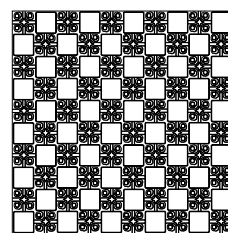
with deep-drawing foil

Art.-No.	Dimension	PU	Price € m/pc
91112	L = 1000 mm, W = 1000 mm, H = 11 mm	20	

Just for ø14 and ø16 mm pipe / Material: EPS-035-DEO dh. Knob spacing: 50 mm for installation without

pipe clips / sound insulation / R_λB D_ä = 0,31 m² K/W / Insulation thickness: = 11 mm / Total thickness

including knobs = 30 mm



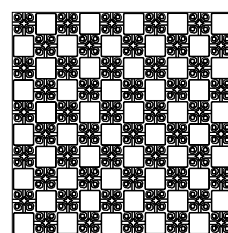
aquatherm orange system SYSTEM ELEMENT KNOB PLATE F ND 30-2

with deep-drawing foil

Art.-No.	Dimension	PU	Price € m/pc
91115	L = 1000 mm, W = 1000 mm, H = 30-2 mm	10	

Just for ø14 and ø16 mm pipe. Knob spacing: 50 mm for installation without pipe clips / sound insulation

R_λB D_ä = 0,75 m² K/W / Insulation thickness: = 30 mm / Total thickness including knobs = 49 mm



aquatherm orange system INSULATION ROLL

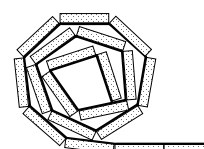
Art.-No.	Dimension	PU	Price € m/pc
91033	L = 10000 mm, W = 1000 mm, H = 30 mm	10	

Material: EPS 040 DES sg, with:

- cloth-lined covering layer, protected against corrosion

- imprinted screen for placing

- impact sound insulation R_λB D_ä = 0,75 m² K/W / Working load: 5 kPa / Improved impact sound insulation: 30 dB



aquatherm orange system INSULATION ROLL

Art.-No.	Dimension	PU	Price € m/pc
91035	L = 10000 mm, W = 1000 mm, H = 35 mm	10	

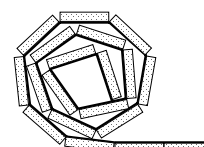
Material: EPS-045-DES sm - DIN 13163, with:

- cloth-lined covering layer, protected against corrosion

- imprinted screen for placing

- impact sound insulation R_λB D_ä = 0,75 m² K/W

Working load: 4 kPa / Improved impact sound insulation: 29 dB



aquatherm orange system FOIL WITH IMPRINTED GRID

Art.-No.	Dimension	PU	Price € m/pc
91210	W = 1030 m ²	50	

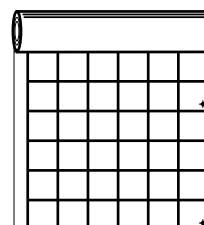
System element consisting of:

- mutual corrosion protection layer

- imprinted screen for placing

- cloth-lined covering layer (acc.to DIN 18560 with min. 30 mm overlap)

For placing of heat and sound insulating plates on-site (hardly flammable) made of polystyrene EPS/DEO/DES

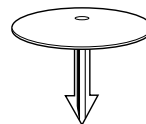


aquatherm orange system PLASTIC NAIL

for fixing of the grid foil

Art.-No.	Dimension	PU	Price € m/pc
91102		50	

Material: polyamide
Requirement: 2 Pcs/m²

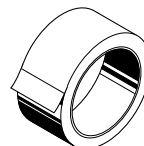


aquatherm orange system ADHESIVE TAPE

for sealing of joint gaps in system elements

Art.-No.	Dimension	PU	Price € m/pc
91104	L = 66 m	1	

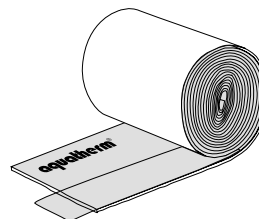
Requirement 1m/m²



aquatherm orange system EDGE INSULATION

Art.-No.	Dimension	PU	Price € m/pc
91106	height = 160 mm, thickness = 8 mm	25	

Material: PE-foam
- very low flammability
- with adhesive strip on the foil



aquatherm orange system EXPANSION JOINT SECTION

double-sided overlay

Art.-No.	Dimension	PU	Price € m/pc
91107	height = 100 mm, thickness = 10 mm, length = 1800 mm	18	

to form permanent elastic joints for heating screeds and to separate screed fields consisting of:

- T-profile for absorption of expansion strips
- expansion strips of PE



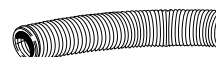
Note: Please use the aquatherm orange system corrugated pipe (Art.-No. 91111) to protect the connecting pipe in the area of screed moving joint.

aquatherm orange system PROTECTION PIPE FOR EXPANSION JOINT SECTION

to protect the connecting pipe in the area of screed moving joint

Art.-No.	Dimension	PU	Price € m/pc
91111	for heating pipes ø 14 - 17 mm	10	

Material: PE

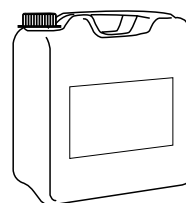


aquatherm orange system SPECIAL FLOOR MIX

for thin-layer cement screeds

Art.-No.	Dimension	PU	Price € m/pc
91108	Consumption per m ² 0,15 kg	10	

for increasing the screed density

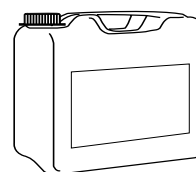


aquatherm orange system SPECIAL FLOOR MIX

for thin-layer cement screeds

Art.-No.	Dimension	PU	Price € m/pc
91110	Consumption per m ² 1,45 kg	25	

Screed-pipe covering: 30 mm



aquatherm orange system SCREED MEASURING POINT

for marking the measuring points in the screed

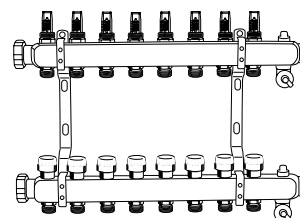
Art.-No.	Dimension	PU	Price € m/pc
91109	H = 100 mm	1	



aquatherm orange system HEATING CIRCUIT MANIFOLD WITH FLOW METER

screw joints and ball valves have to be ordered separately

Art.-No.	Dimension	PU	Price € m/pc
92302	2 Circuits	1	
92303	3 Circuits	1	
92304	4 Circuits	1	
92305	5 Circuits	1	
92306	6 Circuits	1	
92307	7 Circuits	1	
92308	8 Circuits	1	
92309	9 Circuits	1	
92310	10 Circuits	1	
92311	11 Circuits	1	
92312	12 Circuits	1	



Stainless steel manifold with the following properties:

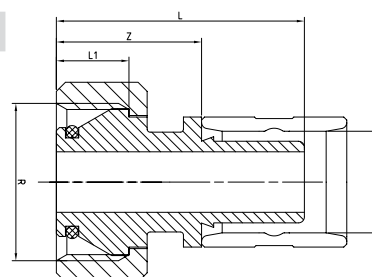
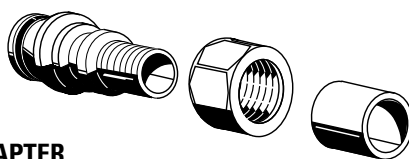
- flow- and return manifold are arranged separately
- flow indicator with shut-off in the flow
- control and shut-off valve with protection cap in return
- feed and drain valves
- air valves
- bracket set with bow and sound protection
- sealing plug

aquatherm orange system EUROCONUS CONNECTOR

for heating circuit manifold, valves/couplings

Art.-No.	for pipe dimensions	PU	Price € m/pc
92100	ø 10 x 1,25 mm	5	
92104	ø 14 x 2,0 mm	5	
92106	ø 16 x 2,0 mm	5	
92107	ø 17 x 2,0 mm	5	
92108	ø 20 x 2,0 mm	5	

cap nut nickel-plated



aquatherm grey pipe EUROCONUS ADAPTER

including sliding sleeve

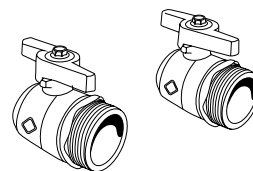
Art.-No.	d	R	Z	L	L1	PU	Price € m/pc
79220	16	G3/4	24,00	41,00	12,00	2	
79222	20	G3/4	30,00	47,00	15,00	2	

Material: brass
for customary manifolds/joints

aquatherm orange system BALL VALVE SET

Straight design, for manifold Art.-No. 92302-92312

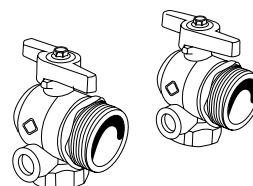
Art.-No.	Dimension	PU	Price € m/pc
92320	1" straight	1	



aquatherm orange system BALL VALVE SET

Corner design, for manifold Art.-No. 92302-92312

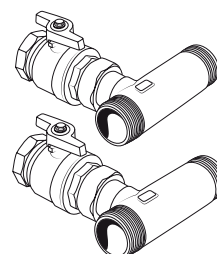
Art.-No.	Dimension	PU	Price € m/pc
92321	1" corner	1	



NEW aquatherm orange system MID CONNECTION SET

with ball valve, for extension up to 24 heating circuits in connection with Art.-No. 92302-92312

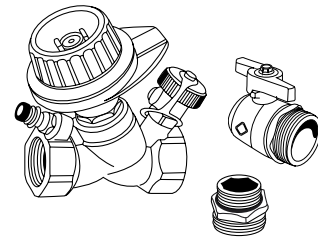
Art.-No.	Dimension	PU	Price € m/pc
92330	ball valve 1 1/4"	1	



aquatherm orange system LINE CONTROL VALVE SET FOR MANIFOLD

Art.-No.	Dimension	PU	Price € m/pc
92329	1"	1	

For restriction of flow rate respectively for hydraulic balancing of manifolds

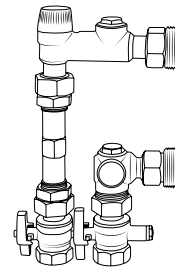


aquatherm orange system UNIVERSAL-FLOW METER

add-on kit with elbow

Art.-No.	Dimension	PU	Price € m/pc
92323	1"	1	

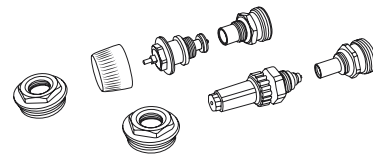
for mounting to aquatherm orange system -manifold



aquatherm orange system HEATING CIRCUIT MANIFOLD EXTENSION SET

for Art.-No. 92302-92312

Art.-No.	Dimension	PU	Price € m/pc
92069		1	



NEW aquatherm orange system LARGE-AREA HEATING CIRCUIT MANIFOLD

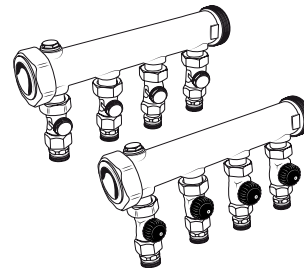
in modular construction

Art.-No.	Dimension	PU	Price € m/pc
99062	2-fold 1 1/2"	1	
99063	3-fold 1 1/2"	1	
99064	4-fold 1 1/2"	1	

Compression fittings, accessories kit and console set must be ordered separately

Brass large area round pipe manifold with separate arranged flow and return:

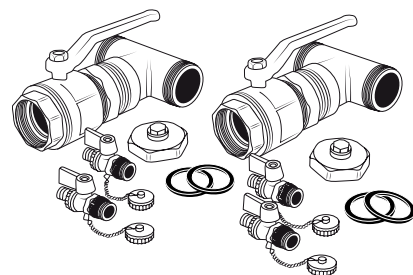
- control valve in flow
- thermostate valve in return
- Euroconus connection 3/4"
- flat sealing male screw with coupling ring 2"



NEW aquatherm orange system MID CONNECTION SET FOR LARGE-AREA HEATING CIRCUIT MANIFOLD

with ball valve, for extension of Art.-No. 99062-99064

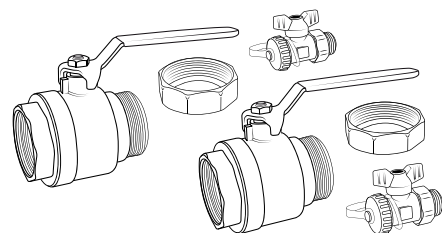
Art.-No.	Dimension	PU	Price € m/pc
99027	ball valve 2"	1	



NEW aquatherm orange system ACCESSORIES KIT FOR LARGE AREA HEATING CIRCUIT MANIFOLD

Accessories kit consists of: ball valve set 1 1/2", end cap set 1 1/2", BFD-cock set 1/2"

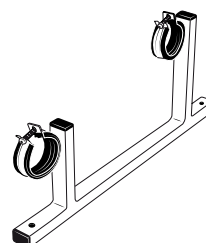
Art.-No.	Dimension	PU	Price € m/pc
99099	1 1/2"	1	

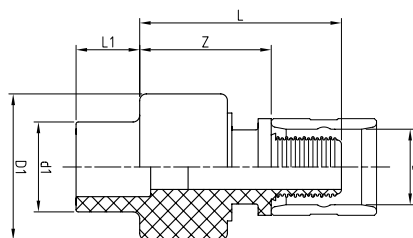
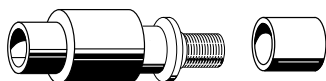


NEW aquatherm orange system CONSOLE FOR LARGE AREA HEATING CIRCUIT MANIFOLD

Art.-No.	Dimension	PU	Price € m/pc
99060	1 1/2"	1	

Attachment console, galvanized, clamps with noise protection inlay
Requirement: up to 12 circuits 2 pieces, from 13 circuits 3 pieces



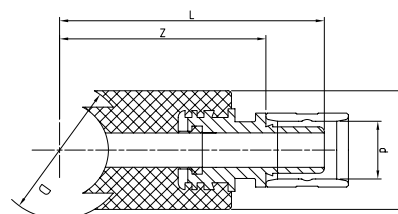
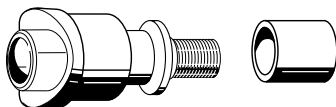


aquatherm orange system ADAPTER

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

Art.-No.	Dimension	d1	d	D1	Z	L	L1	PU	Price € m/pc
78298	aquatherm green pipe 20 mm x aquatherm orange system 14 mm	15	20					2	
78300	aquatherm green pipe 20 mm x aquatherm orange system 16 mm	20	16	32,50	30,00	46,00	14,50	2	
78302	aquatherm green pipe 20 mm x aquatherm orange system 20 mm	20	20	34,50	30,00	47,00	11,00	2	

Material: PP-R/brass



aquatherm grey pipe WELD-IN SADDLE ADAPTER

for PE-RT and PB pipes, including sliding sleeve

Art.-No.	Dimension	D	d	Z	L	D1	PU	Price € m/pc
78402	aquatherm green pipe 40 mm x aquatherm orange system 16 mm	40,00	16	60,00	77,00	34,50	2	
78404	aquatherm green pipe 40 mm x aquatherm orange system 20 mm	40,00	20	58,00	75,00	38,50	2	
78406	aquatherm green pipe 50 mm x aquatherm orange system 16 mm	50,00	16	65,00	82,00	32,50	2	
78408	aquatherm green pipe 50 mm x aquatherm orange system 20 mm	50,00	20	64,00	81,00	38,50	2	

one side for saddle welding - one side for sliding sleeve connection

Material: PP-R/brass

aquatherm grey pipe SPARE SLIDING SLEEVE

for PE-RT and PB pipes

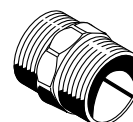
Art.-No.	Dimension	PU	Price € m/pc
79986	10 mm	10	
79988	14 mm	10	
79990	16mm	10	
79991	17mm	10	
79992	20mm	10	
79994	25mm	10	



Material: brass

aquatherm orange system HEATING PIPE COUPLING ADAPTER

Art.-No.	Dimension	PU	Price € m/pc
95210	with euroconus	5	



Suitable euroconus connector Art.-No.: 92100-92108

aquatherm orange system HEATING PIPE SCREW CONNECTION ADAPTER

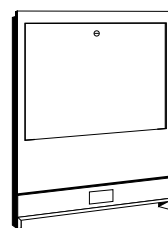
Art.-No.	Dimension	PU	Price € m/pc
95212	1/2" f - adapter for 1/2" m euroconus	5	
95214	1/2" m - adapter for 1/2" f euroconus	5	



Suitable euroconus connector Art.-No.: 92100-92108

aquatherm orange system UNIVERSAL MANIFOLD CABINET

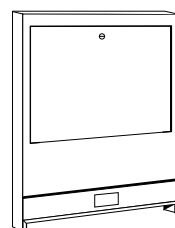
Art.-No.	Dimension	PU	Price € m/pc
93102	UP1, size 1 for 2 - 3 circuits, height = 700 - 850 mm, width = 400 mm, depth = 110 - 150 mm	1	
93104	UP2, size 2 for 4 - 6 circuits, height = 700 - 850 mm, width = 550 mm, depth = 110 - 150 mm	1	
93106	UP3, size 3 for 7 - 10 circuits, height = 700 - 850 mm, width = 750 mm, depth = 110 - 150 mm	1	
93108	UP4, size 4 for 11 - 12 circuits, height = 700 - 850 mm, width = 950 mm, depth = 110 - 150 mm	1	
93110	UP5, size 5 for max. 12 circuits with heat distribution station, height = 700 - 850 mm, width = 1150 mm, depth = 110 - 150 mm	1	
NEW 93111	UP6, size 6 for max. 20 circuits in connection with mid connection, height = 700 - 850 mm, width = 1400 mm, depth = 110 - 150 mm	1	



- for concealed installation
- universal mounting, vertically and horizontally infinitely variable
 - lower lining height-adaptable
 - prepressed lateral pipe passage
 - lateral bases, height-adjustable
 - made of hot galvanized sheet steel
 - white laquered design acc. to RAL 9010

aquatherm orange system UNIVERSAL-MANIFOLD CABINET

Art.-No.	Dimension	PU	Price € m/pc
93112	AP1, size 1 for 2 - 4 circuits, height = 730 mm, width = 455 mm, depth = 150 mm	1	
93114	AP2, size 2 for 5 - 7 circuits, height = 730 mm, width = 605 mm, depth = 150 mm	1	
93116	AP3, size 3 for 8 - 10 circuits, height = 730 mm, width = 805 mm, depth = 150 mm	1	
93118	AP4, size 4 for 11 - 12 circuits, height = 730 mm, width = 1005 mm, depth = 150 mm	1	
NEW 93124	AP5, size 5 for max. 20 circuits in connection with mid connection, height = 730 mm, width = 1400 mm, depth = 150 mm	1	



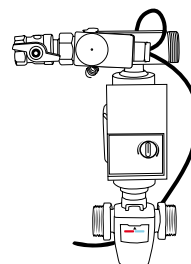
- for surface installation
- universal mounting, vertically and horizontally infinitely variable
 - made of hot galvanized sheet steel
 - with laquered design acc. to RAL 9010
 - with detachable screed impact and pipe reversing plate

aquatherm orange system FIXED COMMAND CONTROL

Art.-No.	Dimension	PU	Price € m/pc
92162	1"	1	

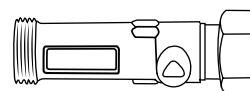
The adjustment and/or extension of an existing radiator system with underfloor heating can be performed safely, efficiently and well-priced with the aquatherm orange system fixed command control.

- Composed of:
- » injection mixing valve for control of flow temperature in the underfloor circuit
 - » circulation pump
 - » safty temperature limiter
 - » ball valve



aquatherm orange system FLOW INDICATOR FOR FIXED VALUE SETTING

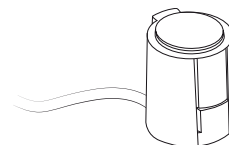
Art.-No.	Dimension	PU	Price € m/pc
92163	2-12 l/min.	1	



aquatherm orange system ACTUATOR

for heating circuit manifolds and heating circuit control valves - flow

Art.-No.	Dimension	PU	Price € m/pc
94102	230 Volt	1	
94103	24 Volt	1	



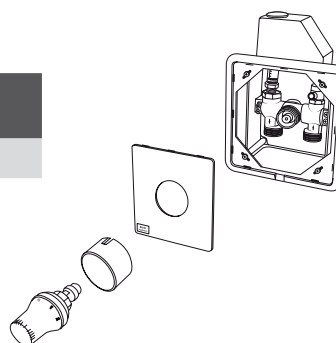
NEW aquatherm orange system RETURN TEMPERATURE LIMITER

with Th-valve

Art.-Nr.	Abmessung	LE	Preis € m/St
94162		1	

Single room control for adjustment of

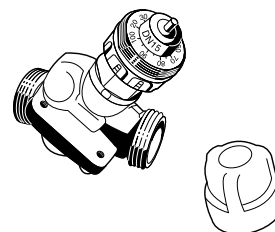
- return temperature
- room temperature
- with concealed case
- with cap
- with flow indicator
- with air valve



aquatherm orange system AB-QM COMBINATION VALVE

balancing and controlling valve for heating and cooling systems

Art.-No.	Dimension	PU	Price € m/pc
94165	DN 15 - 3/4"	1	



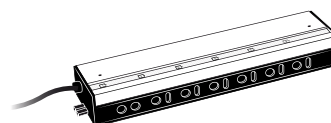
CONNECTION SYSTEMS, THERMOSTATS 230 VOLT (HEATING)

NEW aquatherm orange system CONNECTION SYSTEM B 2022 N

230 Volt

Art.-No.	Dimension	PU	Price € m/pc
94140		1	

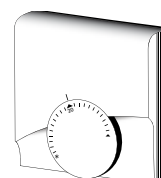
- up to 6 room thermostats connectable
- max. 12 actuators
- with pump control



aquatherm orange system ROOM THERMOSTAT

230 Volt - 50 Hz - 10 A - differential gap 0,5 K, prepared for night setback, white

Art.-No.	Dimension	PU	Price € m/pc
94107		1	

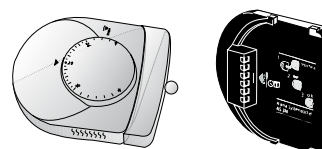


aquatherm orange system

PROGRAMMABLE ROOM THERMOSTAT, ANALOGUE

230 volt digital timer with day and week program, white

Art.-No.	Dimension	PU	Price € m/pc
94108		1	



CONNECTION SYSTEMS, THERMOSTATS 230 VOLT - RADIO CONTROLLED (HEATING)

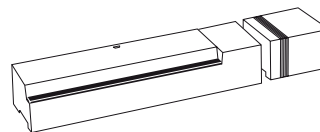
NEW aquatherm orange system

AUTOMATIC CONTROL, WIRELESS BSF 20102-04

230 Volt

Art.-No.	Dimension	PU	Price € m/pc
94146		1	

up to 4 radio controls (wireless) connectable
6 actuators (230 volt)
operating voltage: 230 volt



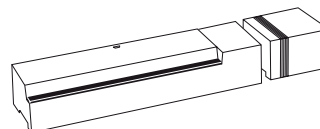
NEW aquatherm orange system

AUTOMATIC CONTROL, WIRELESS BSF 20102-08

230 Volt

Art.-No.	Dimension	PU	Price € m/pc
94147		1	

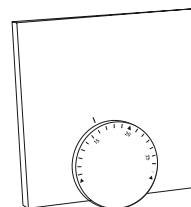
up to 8 radio controls (wireless) connectable
12 actuators (230 volt)
operating voltage: 230 volt



NEW aquatherm orange system ROOM THERMOSTAT WIRELESS R 4070

Art.-No.	Dimension	PU	Price € m/pc
94151		1	

Room thermostats with wireless radio transmission (battery)
temperature range: 4 - 28 °C

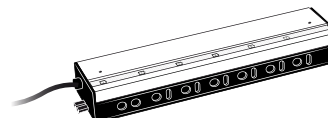


CONNECTION SYSTEMS, THERMOSTATS 24 VOLT (HEATING / HEATING AND COOLING)

NEW aquatherm orange system CONNECTION SYSTEM B HK 4022 N

Art.-No.	Dimension	PU	Price € m/pc
94152		1	

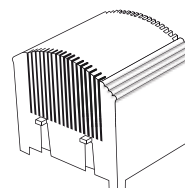
Connection options:
6 room temperature controls
12 actuators (24 volt)
with integrated pump module
external switching via co-signal



NEW aquatherm orange system SYSTEM TRANSFORMATOR

Art.-No.	Dimension	PU	Price € m/pc
94145		1	

operating voltage: 230 V / 24 V
fits to connection system art.-no. 94152



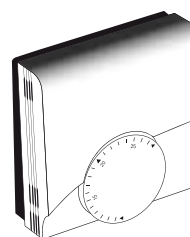
NEW aquatherm orange system

ROOM THERMOSTAT FOR HEATING AND COOLING RHK 40122 N

24 Volt

Art.-No.	Dimension	PU	Price € m/pc
94154		1	

Room thermostat for heating and cooling in one system
Temperature range: 10 - 28 °C
Operating voltage: 24V, 50/60 Hz
Including mounting base and electrical connection for room thermostats
- suitable for wall installation and mounting on switch box

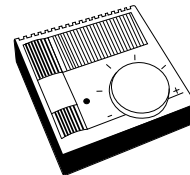


aquatherm orange system ROOM THERMOSTAT FOR HEATING AND COOLING

24 volt

Art.-No.	Dimension	PU	Price € m/pc
94034		1	

Room thermostat with in-wall case for switch boxes acc. to DIN 49073
connectable with dewpoint sensor
Temperature range: 5 - 30 °C
Operating voltage: 24V, 50/60 Hz

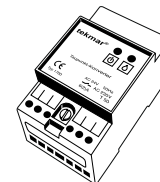


aquatherm orange system DEWPOINT CONVERTER

24 volt

Art.-No.	Dimension	PU	Price € m/pc
94035		1	

Dewpoint converter for switching off the cooling unit or for closing the mixer / valve via potential-free relay contact



aquatherm orange system DEWPOINT SENSOR

24 volt

Art.-No.	Dimension	PU	Price € m/pc
94036		1	

Humidistat with flexible foil
Length of supply = 10 m
(LIYY 2 x 0.15 mm)

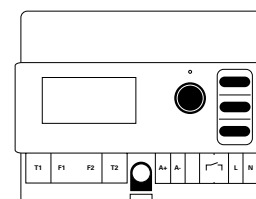


AUTOMATIC CONTROL FOR KEEPING AREAS SNOW-AND ICE-FREE

aquatherm orange system DIGITAL ICE- AND SNOW DETECTOR

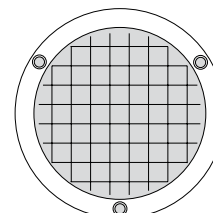
for activating open space heating systems if required

Art.-No.	Dimension	PU	Price € m/pc
99258		1	



aquatherm orange system OPEN SPACE SENSOR

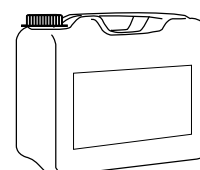
Art.-No.	Dimension	PU	Price € m/pc
99259	diameter 68 mm	1	



aquatherm orange system ANTIFREEZER FOR OPEN-SPACE HEATING

Art.-No.	Dimension	PU	Price € m/pc
99743		25	

environmental friendly antifreezer concentrate basing on ethyleneglycol for open space heatings and surface collectors.
Water pollution class: WGK 1



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aquatherm green pipe

aquatherm blue pipe

aquatherm lilac pipe

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aquatherm green pipe SDR 7.4 MF	8
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aquatherm green pipe SDR 7.4 MF UV	10
aquatherm green pipe SDR 7.4 MS	10
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aquatherm ti

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2511214	21	2513657	31	2514148	33	2712134	77	2718142	78
2511215	21	2513663	30	2514150	33	2712138	77	2718290	81
2511216	21	2513665	31	2514152	33	2712142	77	2718292	81
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2511218	21	2513669	31	2515530	37	2712534	76	2718296	81
2511219	21	2513671	31	2515534	37	2712538	76	2718298	81
2512130	22	2513676	30	2515538	37	2712542	77	2718300	81
2512134	22	2513678	31	2515542	37	2713130	77	2718302	81
2512138	22	2513680	31	2515544	37	2713134	77	2718304	81
2512142	22	2513682	31	2515546	37	2713138	77	2718332	82
2512144	22	2513684	31	2515548	37	2713142	77	2718334	82
2512146	22	2513685	31	2515550	37	2713290	79	2718336	82
2512148	22	2513690	30	2515552	37	2713292	79	2718338	82
2512150	22	2513692	31	2515554	37	2713294	79	2718340	82
2512152	22	2513694	31	2570126	13	2713296	79	2718342	82
2512154	22	2513696	31	2570130	13	2713298	79	2718344	82
2512530	24	2513698	31	2570134	13	2713300	79	2718346	82
2512534	24	2513699	31	2570138	13	2713302	79	2718350	82
2512538	24	2513700	31	2570142	13	2713304	79	2718382	82
2512542	24	2513804	30	2570144	13	2713332	80	2718384	82
2512544	24	2513806	31	2570146	13	2713334	80	2718386	82
2512546	24	2513808	31	2570148	13	2713336	80	2718388	82
2512548	24	2513810	31	2570150	13	2713338	80	2718390	82
2512550	24	2513812	31	2570152	13	2713340	80	2718392	82
2512552	24	2513813	31	2570154	13	2713342	80	2718394	82
2512554	25	2513814	31	2570180	14	2713344	80	2718396	82
2513130	25	2513815	31	2570184	14	2713346	80	2718400	82
2513134	25	2513821	30	2570188	14	2713350	80	2718402	82
2513138	25	2513823	31	2570192	14	2713382	80	2718406	82
2513142	25	2513825	31	2570194	14	2713384	80	2718408	82
2513144	25	2513827	31	2570196	14	2713386	80	2718410	82
2513146	25	2513829	31	2570198	14	2713388	80	2718412	82
2513148	25	2513830	31	2570200	14	2713390	80	2718414	82
2513150	25	2513831	31	2570202	14	2713392	80	2718416	82
2513152	25	2513832	31	2570204	14	2713394	80	2718418	82
2513154	25	2513833	31	2711274	85	2713396	80	2718420	82
2513600	30	2513839	30	2711275	85	2713400	80	2718424	82
2513602	30	2513841	31	2711276	85	2713402	80	2718428	82
2513608	30	2513843	31	2711277	85	2713406	80	2718432	82
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5000160	126	5028250	121	5036350	122	5048450	123	5068050	125
5000180	126	5028275	121	5036375	122	5048475	123	5068060	125
5000200	126	5028300	121	5036400	122	5048500	123	5068070	125
5000225	126	5028325	121	5036425	122	5056040	124	5068080	125
5000250	126	5028350	121	5036450	122	5056050	124	5068090	125
5000275	126	5028375	121	5036475	122	5056060	124	5068100	125
5000300	126	5028400	121	5036500	122	5056070	124	5068120	125
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5000350	126	5028450	121	5040050	123	5056090	124	5068160	125
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5000400	126	5028500	121	5040070	123	5056120	124	5068200	125
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5000450	126	5032050	122	5040090	123	5056160	124	5068250	125
5000475	126	5032060	122	5040100	123	5056180	124	5068275	125
5000500	126	5032070	122	5040120	123	5056200	124	5068300	125
5024040	121	5032080	122	5040140	123	5056225	124	5068325	125
5024050	121	5032090	122	5040160	123	5056250	124	5068350	125
5024060	121	5032100	122	5040180	123	5056275	124	5068375	125
5024070	121	5032120	122	5040200	123	5056300	124	5068400	125
5024080	121	5032140	122	5040225	123	5056325	124	5068425	125
5024090	121	5032160	122	5040250	123	5056350	124	5068450	125
5024100	121	5032180	122	5040275	123	5056375	124	5068475	125
5024120	121	5032200	122	5040300	123	5056400	124	5068500	125
5024140	121	5032225	122	5040325	123	5056425	124	5080040	125
5024160	121	5032250	122	5040350	123	5056450	124	5080050	125
5024180	121	5032275	122	5040375	123	5056475	124	5080060	125
5024200	121	5032300	122	5040400	123	5056500	124	5080070	125
5024225	121	5032325	122	5040425	123	5060040	124	5080080	125
5024250	121	5032350	122	5040450	123	5060050	124	5080090	125
5024275	121	5032375	122	5040475	123	5060060	124	5080100	125
5024300	121	5032400	122	5040500	123	5060070	124	5080120	125
5024325	121	5032425	122	5048040	123	5060080	124	5080140	125
5024350	121	5032450	122	5048050	123	5060090	124	5080160	125
5024375	121	5032475	122	5048060	123	5060100	124	5080180	125
5024400	121	5032500	122	5048070	123	5060120	124	5080200	125
5024425	121	5036040	122	5048080	123	5060140	124	5080225	125
5024450	121	5036050	122	5048090	123	5060160	124	5080250	125

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PERMISSIBLE WORKING PRESSURE - POTABLE WATER

Fluid transported: water acc. to DIN 2000

Temperature	Service life	aqualtherm green pipe SDR 11 S aqualtherm lilac pipe SDR 11 S		aqualtherm green pipe SDR 7.4 S		aqualtherm green pipe SDR 6 S aqualtherm green pipe SDR 7.4 MS		aqualtherm green pipe SDR 7.4 MF		aqualtherm green pipe SDR 9 MF RP	
		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 and Stabi composite pipe: high working stress at lower wall thickness and higher flow rate											

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

S = single layer

MS = multilayer stabi - integrated aluminium-layer

MF = multilayer faser

MF RP = multilayer 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 heating systems or closed systems considering the seasonal periods of operation - non potable water application

Heating period	Temperature	Service life	aquatherm blue pipe SDR 11 MF, OT & S		aquatherm blue pipe SDR 17.6 MF		aquatherm green pipe SDR 7.4 MF & MS		aquatherm green pipe SDR 9 MF RP	
			Permissible working pressure in bar and (psi)							
			bar	(psi)	bar	(psi)	bar	(psi)	bar	(psi)
constant operating temperature 70 °C / 158 °F incl. 30 days per year at	75 °C	5	9,38	(136)	5,38	(78)	14,27	(207)	12,90	(187)
		10	9,08	(132)	5,21	(76)	13,79	(200)	12,60	(183)
		25	7,82	(113)	4,48	(65)	11,74	(170)	12,20	(177)
		45	6,77	(98)	3,89	(56)	10,18	(148)	12,00	(174)
	80 °C	5	8,88	(129)	5,09	(74)	13,50	(196)	11,70	(170)
		10	8,46	(123)	4,86	(70)	12,80	(186)	11,40	(165)
		25	7,38	(107)	4,24	(61)	11,14	(162)	11,10	(161)
		42,5	6,49	(94)	3,72	(54)	9,79	(142)	10,90	(158)
	85 °C	5	8,17	(118)	4,69	(68)	12,42	(180)	10,70	(155)
		10	7,82	(113)	4,49	(65)	11,87	(172)	10,40	(151)
		25	6,70	(97)	3,85	(56)	10,14	(147)	10,10	(146)
		37,5	6,07	(88)	3,49	(51)	9,18	(133)	10,00	(145)
	90 °C	5	7,50	(109)	4,30	(62)	11,39	(165)	9,80	(142)
		10	7,19	(104)	4,13	(60)	10,94	(159)	9,50	(138)
		25	5,85	(85)	3,36	(49)	8,86	(129)	9,20	(133)
		35	5,39	(78)	3,09	(45)	8,16	(118)	9,10	(132)
constant operating temperature 70 °C / 158 °F incl. 60 days per year at	75 °C	5	9,26	(134)	5,31	(77)	14,11	(205)	12,30	(178)
		10	8,90	(129)	5,11	(74)	13,57	(197)	12,10	(175)
		25	7,62	(111)	4,37	(63)	11,58	(168)	11,70	(170)
		45	6,60	(96)	3,79	(55)	10,05	(146)	11,50	(167)
	80 °C	5	8,61	(125)	4,94	(72)	13,12	(190)	11,40	(165)
		10	8,24	(120)	4,73	(69)	12,54	(182)	11,20	(162)
		25	6,93	(101)	3,98	(58)	10,56	(153)	10,80	(157)
		40	6,18	(90)	3,55	(51)	9,41	(136)	10,70	(155)
	85 °C	5	7,91	(115)	4,54	(66)	12,03	(174)	10,40	(151)
		10	7,56	(110)	4,34	(63)	11,52	(167)	10,20	(148)
		25	6,05	(88)	3,47	(50)	9,22	(134)	9,90	(144)
		35	5,57	(81)	3,20	(46)	8,48	(123)	9,80	(142)
	90 °C	5	7,25	(105)	4,16	(60)	11,04	(160)	9,50	(138)
		10	6,40	(93)	3,67	(53)	9,76	(142)	9,30	(135)
		25	5,12	(74)	2,94	(43)	7,81	(113)	9,10	(132)
		30	4,90	(71)	2,81	(41)	7,46	(108)	9,00	(131)
constant operating temperature 70 °C / 158 °F incl. 90 days per year at	75 °C	5	9,17	(133)	5,26	(76)	14,02	(203)	12,20	(177)
		10	8,79	(127)	5,04	(73)	13,38	(194)	12,00	(174)
		25	7,45	(108)	4,27	(62)	11,33	(164)	11,60	(168)
		45	6,45	(94)	3,70	(54)	9,82	(142)	11,40	(165)
	80 °C	5	8,46	(123)	4,85	(70)	12,90	(187)	11,30	(164)
		10	8,11	(118)	4,65	(67)	12,35	(179)	11,00	(160)
		25	6,60	(96)	3,78	(55)	10,05	(146)	10,70	(155)
		37,5	5,98	(87)	3,43	(50)	9,09	(132)	10,60	(154)
	85 °C	5	7,76	(113)	4,45	(65)	11,81	(171)	10,30	(149)
		10	7,03	(102)	4,04	(59)	10,72	(155)	10,10	(146)
		25	5,63	(82)	3,23	(47)	8,58	(124)	9,80	(142)
		32,5	5,28	(77)	3,03	(44)	8,03	(116)	9,70	(141)
	90 °C	5	6,96	(101)	3,99	(58)	10,59	(154)	9,40	(136)
		10	5,88	(85)	3,37	(49)	8,96	(130)	9,20	(133)
		25	4,70	(68)	2,70	(39)	7,17	(104)	8,90	(129)

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

$SDR = 2 \times S + 1 \approx d/s$ (S = Pipe series index from ISO 4065)

PERMISSIBLE WORKING PRESSURE

for general pressure pipe applications in permanent operation
charted application ranges on page 159 and 160

Temperature	Service life	aquatherm blue pipe SDR 17.6 MF		aquatherm blue pipe SDR 11 MF & MF OT aquatherm lilac pipe SDR 11 S		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	1	12,8	(186)	27,8	(403)	30,2	(438)	28,8	(418)
	5	12,0	(174)	26,2	(380)	28,2	(409)	27,9	(405)
	10	11,7	(170)	25,6	(371)	27,7	(402)	27,5	(399)
	25	11,4	(165)	24,7	(358)	26,9	(390)	27,1	(393)
	50	11,1	(161)	24,1	(350)	26,1	(379)	26,7	(387)
15 °C	100	10,8	(157)	23,5	(341)	25,2	(366)	26,3	(381)
	1	11,8	(171)	25,7	(373)	29,4	(426)	26,9	(390)
	5	11,1	(161)	24,2	(351)	27,4	(397)	26,0	(377)
	10	10,8	(157)	23,6	(342)	26,9	(390)	25,7	(373)
	25	10,5	(152)	22,8	(331)	26,1	(379)	25,2	(366)
20 °C	50	10,2	(148)	22,2	(322)	25,3	(367)	24,9	(361)
	100	9,9	(144)	21,6	(313)	24,5	(355)	24,5	(355)
	1	10,9	(158)	23,8	(345)	28,6	(415)	25,0	(363)
	5	10,3	(149)	22,3	(323)	26,8	(389)	24,2	(351)
	10	10,0	(145)	21,7	(315)	26,1	(379)	23,9	(347)
25 °C	25	9,6	(139)	21,0	(305)	25,3	(367)	23,5	(341)
	50	9,4	(136)	20,4	(296)	24,5	(355)	23,1	(335)
	100	9,1	(132)	19,9	(289)	23,7	(344)	22,8	(331)
	1	9,3	(135)	20,2	(293)	24,3	(352)	21,7	(315)
	5	8,7	(126)	18,9	(274)	22,8	(331)	20,9	(303)
30 °C	10	8,5	(123)	18,4	(267)	22,0	(319)	20,6	(299)
	25	8,2	(119)	17,8	(258)	21,3	(309)	20,2	(293)
	50	7,9	(115)	17,3	(251)	20,7	(300)	19,9	(289)
	100	7,7	(112)	16,8	(244)	20,0	(290)	19,7	(286)
	1	7,9	(115)	17,1	(248)	20,5	(297)	18,6	(270)
35 °C	5	7,4	(107)	16,0	(232)	19,2	(278)	18,0	(261)
	10	7,2	(104)	15,6	(226)	18,7	(271)	17,7	(257)
	25	6,9	(100)	15,0	(218)	18,0	(261)	17,3	(251)
	50	6,7	(97)	14,6	(212)	17,5	(254)	17,1	(248)
	100	6,5	(94)	14,1	(205)	16,8	(244)	16,8	(244)
40 °C	1	6,7	(97)	14,5	(210)	17,5	(254)	15,9	(231)
	5	6,2	(90)	13,5	(196)	16,2	(235)	15,3	(222)
	10	6,0	(87)	13,1	(190)	15,7	(228)	15,1	(219)
	25	5,8	(84)	12,6	(183)	15,2	(220)	14,7	(213)
	50	5,6	(81)	12,2	(177)	14,7	(213)	14,5	(210)
45 °C	100	5,5	(80)	11,9	(173)	14,1	(205)	14,3	(207)
	1	5,6	(81)	12,2	(177)	14,7	(213)	13,5	(196)
	5	5,2	(75)	11,4	(165)	13,7	(199)	13,0	(189)
	10	5,1	(74)	11,0	(160)	13,2	(191)	12,7	(184)
	25	4,9	(71)	10,6	(154)	12,6	(183)	12,4	(180)
50 °C	50	4,7	(68)	10,3	(149)	12,1	(175)	12,2	(177)
	1	4,7	(68)	10,3	(149)	12,4	(180)	11,3	(164)
	5	4,4	(64)	9,6	(139)	11,4	(165)	10,9	(158)
	10	4,2	(61)	9,2	(133)	11,1	(161)	10,7	(155)
	25	3,7	(54)	8,0	(116)	9,6	(139)	10,4	(151)
55 °C	50	3,1	(45)	6,8	(99)	8,1	(117)	10,2	(148)
	1	4,3	(62)	9,4	(136)	11,7	(170)	10,4	(151)
	5	4,0	(58)	8,7	(126)	10,8	(157)	9,9	(144)
	10	3,7	(54)	8,0	(116)	10,0	(145)	9,7	(141)
	25	3,0	(44)	6,4	(93)	8,0	(116)	9,5	(138)
60 °C	50	2,5	(36)	5,4	(78)	6,7	(97)	9,3	(135)
	1	4,0	(58)	8,6	(125)	10,4	(151)	9,5	(138)
	5	3,5	(51)	7,7	(112)	9,2	(133)	9,0	(131)
	10	3,0	(44)	6,5	(94)	7,8	(113)	8,9	(129)
	25	2,4	(35)	5,2	(75)	6,2	(90)	8,6	(125)
65 °C	1	3,3	(48)	7,2	(104)	8,7	(126)	7,8	(113)
	5	2,3	(33)	5,1	(74)	6,0	(87)	7,4	(107)
	10	2,0	(29)	4,3	(62)	5,1	(74)	7,3	(106)

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

S = single layer

MS = multilayer stabi - integrated aluminium-layer

MF = multilayer faser

MF RP = multilayer 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 , aquatherm blue pipe & aquatherm lilac pipe pipe systems for the application in potable water and heating and for reclaimed and recycled water	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	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

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