

2013



PRODUCT CATALOGUE 2013



aquatherm

state of the pipe



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

Recommended retail price of the manufacturer.

Our sales and delivery conditions (January 2012) 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. Thus, the next logical step for us is to introduce a naming system that matches and unifies our products.

no.:	old brand name	article-no.	new branding structure					Material / Glas fibre content GF[%]/ fire class. Acc. ISO 11925
			brand name		appendix			
			company	system	Standard Dimension Ratio	structure of pipe	special feature of pipe	
1	fusiotherm SDR11	10208 . . . 10248	aquatherm	green pipe	SDR11	S		PP-R/GF0/E
2	fusiotherm SDR7,4	10806 . . . 10826	aquatherm	green pipe	SDR7,4	S		PP-R/GF0/E
3	fusiotherm SDR6	10006 . . . 10024	aquatherm	green pipe	SDR6	S		PP-R/GF0/E
4	fusiotherm Stabi-composite pipe	70806 . . . 70824	aquatherm	green pipe	SDR7,4	MS		
5	fusiotherm faser composite pipe	70708 . . . 70747	aquatherm	green pipe	SDR7,4	MF		PP-R/GF7/E
6	fusiotherm faser composite pipe UV	70758 . . . 70788	aquatherm	green pipe	SDR7,4	MF	UV	inliner like 5 with black PE-coating
7	fusiotherm faser composite pipe ISO	1270711 . . . 1270737	aquatherm	green pipe	SDR7,4	MF	TI	inliner like 5 with PU-Insulation and black PE-casing
8	aquatherm green pipe faser composite pipe	0370708 . . . 0370744	aquatherm	green pipe	SDR9	MF	RP	PP-RP/GF7/E
9	Climatherm SDR11	2010208 . . . 2010238	aquatherm	blue pipe	SDR11	S		PP-R/GF0/E
10	Climatherm faser composite pipe SDR7,4/ SDR11	2070112 . . . 2070726	aquatherm	blue pipe	SDR7,4/ SDR11	MF		PP-R/GF7/E
11	Climatherm faser composite pipe SDR7,4/ SDR11 UV	2070162 . . . 2070762	aquatherm	blue pipe	SDR7,4/ SDR11	MF	UV	inliner like 9 with black PE-coating
12	Climatherm faser composite pipe SDR7,4/ SDR11 OT	2170114 . . . 2170712	aquatherm	blue pipe	SDR7,4/ SDR11	MF	OT	inliner like 9 with EVOH O2-barrier
13	Climatherm faser composite pipe SDR7,4/ SDR11 UV OT	2170164 . . . 2170188	aquatherm	blue pipe	SDR7,4/ SDR11	MF	UV-OT	inliner like 12 with black PE-coating
14	Climatherm faser composite pipe SDR17,6	2570134 . . . 2570154	aquatherm	blue pipe	SDR17,6	MF		PP-R/GF7/E
15	Climatherm faser composite pipe SDR7,4/ SDR11 ISO	2270111 . . . 2270142	aquatherm	blue pipe	SDR7,4/ SDR11	MF	TI	inliner like 10 with PU-Insulation and black PE-casing
16	Climatherm faser composite pipe SDR7,4/ SDR11 OT ISO	2470711 . . . 2470126	aquatherm	blue pipe	SDR7,4/ SDR11	MF	OT-TI	inliner like 12 with PU-insulation and black PE-casing
17	aquatherm firestop	4170707 . . . 4170730	aquatherm	red pipe	SDR7,4	MF	HI	PP-R/GF7/B-s1,d0
18	aquatherm lilac	9010212 . . . 9010238	aquatherm	lilac pipe	SDR7,4/ SDR11	S		PP-R/GF0/E
19	climasystem		aquatherm	black system			OT	
20	aquatherm FBH		aquatherm	orange system		S	OT	
21	aquatherm SHT		aquatherm	grey pipe				

Applicatione



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.

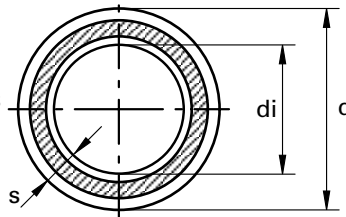
aquatherm green pipe

Pipe system made of polypropylene
for potable water supply

article-no.	old brand name	new branding structure					
		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 ... 70744	fusiotherm faser composite pipe	aquatherm	green pipe	SDR 7,4	MF		PP-R
70758 ... 70794	fusiotherm faser composite pipe UV	aquatherm	green pipe	SDR 7,4	MF	UV	PP-R
1270711 ... 1270737	fusiotherm faser composite pipe ISO	aquatherm	green pipe	SDR 7,4	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: fusiole PP-R
 Pipe series: SDR 9/S 4
 Standard: SKZ HR 3.28, ASTM F 2389, ISO 21003
 Colour: green with 4 dark green stripes
 Form supplied: ø 32-125mm straight lengths 4 m
 ø 160-355mm straight lengths 5,8 m
 Packing Unit: PU in meter
 Application:



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

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	0,328	25	40	
	370714	40	4,5	31,0	0,754	0,511	32	40	
	370716	50	5,6	38,8	1,182	0,791	40	20	
	370718	63	7,1	48,8	1,869	1,261	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	

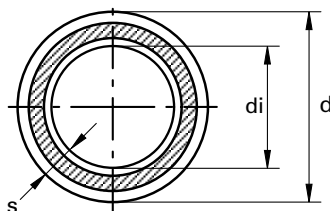
aquatherm green pipe - SDR 7,4 MF

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:

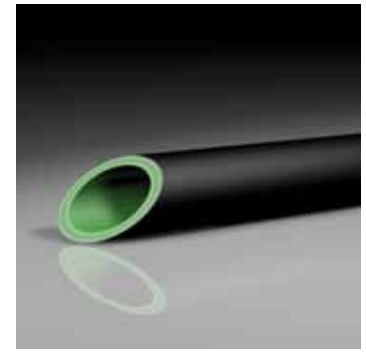


Mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-R.

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 8							

aquatherm green pipe - SDR 9 MF RP UV

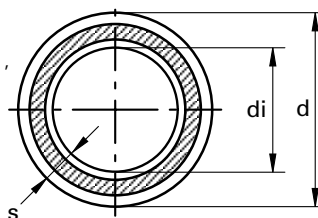
Structure of pipe: MF = multilayer, with fibre reinforced
 Special feature of pipe: RP (raised pressure), UV resistant
 Material: fusiolen PP-RP
 Pipe series: SDR 9/S 4
 Standards: SKZ HR 3.28, ASTM F 2389, ISO 21003
 Colour: inner layer: green with 4 dark green stripes
 outer layer: black
 Form supplied: ø 32-125mm straight lengths 4 m
 ø 160-355mm 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
9	Socket welding								
	370762	32	3,6	24,8	0,483	0,388	25	40	
	370764	40	4,5	31,0	0,754	0,588	32	40	
	370766	50	5,6	38,8	1,182	0,891	40	20	
	370768	63	7,1	48,8	1,869	1,391	50	20	
	370770	75	8,4	58,2	2,659	1,908	-	20	
	370772	90	10,1	69,8	3,825	2,746	65	12	
	370774	110	12,3	85,4	5,725	4,116	80	8	
	370776	125	14,0	97,0	7,386	5,287	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	13,087	150	5,8	
	370788	250	27,9	194,2	29,605	20,170	200	5,8	
	370792	315	35,2	244,6	46,966	31,818	250	5,8	
	370794	355	39,7	275,6	59,625	40,263	-	5,8	

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 20-125mm straight lengths 4 m
 ø 160-250mm straight lengths 5,8 m
 Packing Unit: PU in meter
 Application:

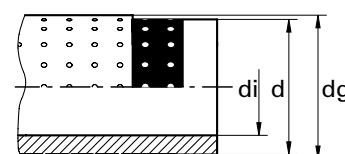
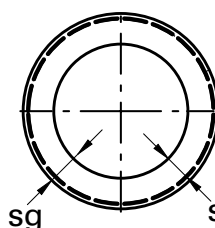


Resistant against UV-rays. Mechanically stabilized through a faser mix integrated in the middle layer of the fusiolen® PP-R.

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 10							

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:

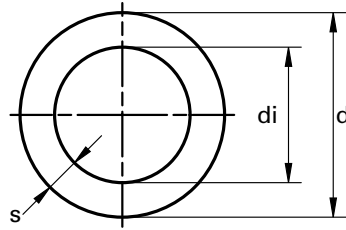


Mechanically stabilized through integrated aluminium-layer

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

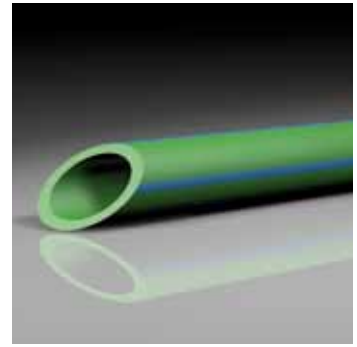
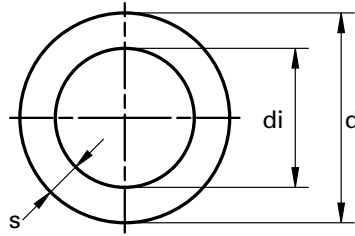
Structure of pipe: s (single)
 Material: fusiolen PP-R
 Pipe series: SDR 6/S 2,5 & SDR 7,4/S 3,2
 Standards: DIN 8077, DIN 8078, DIN EN ISO 15874, ASTM F 2389, CSA B 137.11
 Colour: green
 Form supplied: 4 m straight lengths, also* in coils
 Packing Unit: PU in meter
 Application:



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	0,012	10	100	
10108*	20	3,4	13,2	0,137	0,172	12	100		
10110*	25	4,2	16,6	0,216	0,260	15	100		
7,4	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 - SDR 11

Structure of pipe: s (single)
 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 20-125mm 4 m straight lengths, also* in coils
 ø 160-450mm 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	400	36,3	327,6	84,290	41,400	300	5,8		
10248	450	40,9	368,2	106,477	52,400	400	5,8		

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

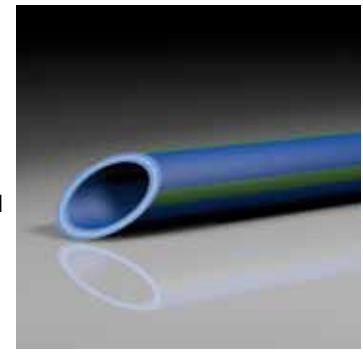
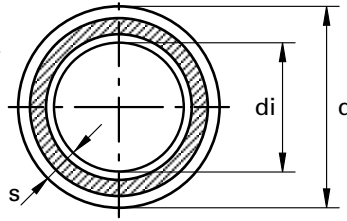
Pipe system made of polypropylene

for chilled, hot fluid and various industrial applications

article-no.	old brand name	new branding structure					
		new brand name		Standard Dimension Ratio	structure of pipe	special feature of pipe	material
		company	system				
2010208 . . . 2010212	climatherm SDR11	aquatherm	blue pipe	SDR 11	S		PP-R
2070112 . . . 2070712	climatherm faser composite pipe SDR7,4/SDR11	aquatherm	blue pipe	SDR 7,4/SDR 11	MF		PP-R
2070162 . . . 2070762	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
2170164 . . . 2170188	climatherm faser composite pipe SDR7,4/SDR11 UV OT	aquatherm	blue pipe	SDR 7,4/SDR 11	MF	UV-OT	PP-R
2570130 . . . 2570154	climatherm faser composite pipe SDR17,6	aquatherm	blue pipe	SDR 17,6	MF		PP-R
2270111 . . . 2270142	climatherm faser composite pipe SDR7,4/SDR11 ISO	aquatherm	blue pipe	SDR 7,4/SDR 11	MF	TI	PP-R
2470711 . . . 2470126	climatherm faser composite pipe SDR7,4/SDR11 OT ISO	aquatherm	blue pipe	SDR 7,4/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 20-125mm straight lengths 4 m
 ø 160-630mm straight lengths 5,8 m
 Packing Unit: PU in meter
 Application:

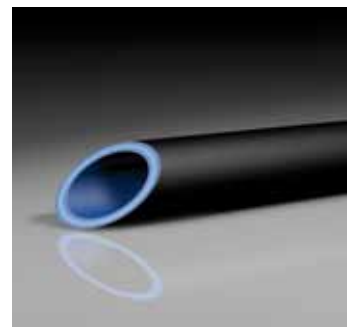
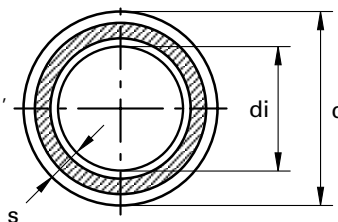


Mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-R.

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	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 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 20-125mm straight lengths 4 m
 ø 160-250mm straight lengths 5,8 m
 Packing Unit: PU in meter
 Application:

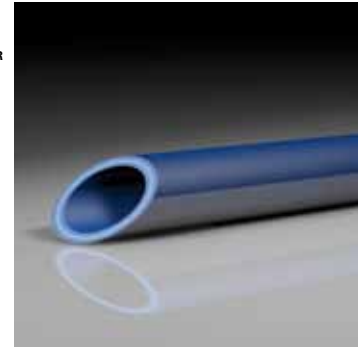
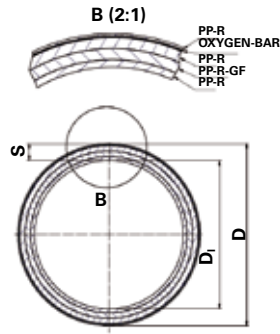


UV-resistant. Mechanically stabilized by a fibre mixture, integrated in the middle layer of fusiolen PP-R.

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		
	2070762	32	4,4	23,2	0,423	0,345	20	40		
11	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	26,619	250	5,8		
	2070194	355	32,2	290,6	66,292	33,668	300	5,8		
	2070196	400	36,3	327,4	84,145	42,566	300	5,8		
	2070198	450	40,9	368,2	106,423	53,709	400	5,8		
17,6	2570180	160	9,1	141,8	15,784	4,839	150	5,8		
	2570184	200	11,4	177,2	24,649	7,396	200	5,8		
	2570188	250	14,2	221,6	38,549	11,321	250	5,8		
	2570192	315	17,9	279,2	61,193	17,676	300	5,8		
	2570194	355	20,1	314,8	77,793	22,266	350	5,8		
	2570196	400	22,7	354,6	98,707	28,124	350	5,8		
	2570198	450	25,5	399	124,973	35,364	400	5,8		
	2570200	500	28,4	443,2	154,195	43,563	450	5,8		
	2570202	560	31,7	496,6	193,590	54,224	500	5,8		
2570204	630	35,7	558,6	244,947	68,420	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 20-125mm straight lengths 4 m
 ø 160-250mm straight lengths 5,8 m
 Packing Unit: PU in meter
 Application:

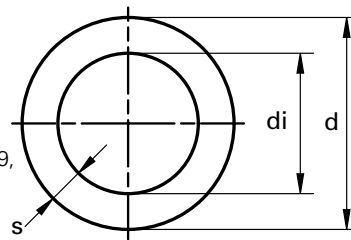


Oxygen tight by diffusion barrier.
 Mechanically stabilized through a fibre mix integrated in the middle layer of fusiolen® PP-R.

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
7,4	Socket welding								
	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	
	Butt welding								
	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

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	40	

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 greywater pipes, giving us both the colour and name for our reclaimed water service lines.

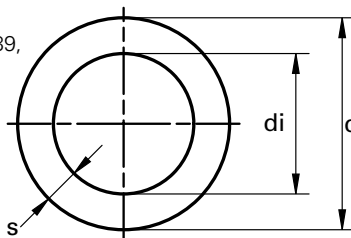
aquatherm lilac pipe

Pipe system made of polypropylene
for reclaimed water

article-no.	old brand name	new branding structure				
		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 11

- Structure of pipe: S (single)
- Material: fusiolen 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: violet
- Form supplied: 4 m straight lengths, also* in coils
- Packing Unit: PU in meter
- Application:

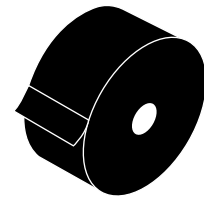


SDR	Art.-No.	Dimension d [mm]	Wall thickness s [mm]	Internal diameter di [mm]	Water content [l/m]	Weight [kg]	DN	PU [m]	Price € m/pc
7,4	9010808	20	2,8	14,4	0,163	0,152	15	100	
	9010810	25	3,5	18,0	0,254	0,226	20	100	
11	9010212	32	2,9	26,2	0,539	0,265	25	40	
	9010214	40	3,7	32,6	0,834	0,415	32	40	
	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		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-pipes MF UV

Art.-No.	Dimension	PU	Price € m/pc
10870	Width: 30mm Length: 10m	10m/pckg	
10871	Width: 50mm Length: 10m	10m/pckg	

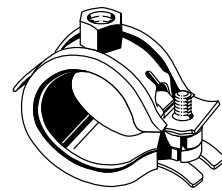


PIPE CLAMPS

Suitable for sliding and fixed point installation.

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

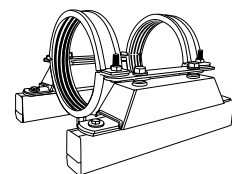
Art.-No.	for pipe dimension	PU	Box unit	Price € m/pc
60516	16 mm	50		
60520	20 mm	50		
60525	25 mm	50		
60532	32 mm	50		
60540	40 mm	50		
60550	50 mm	50		
60563	63 mm	25		
60575	75 mm	25		
60590	90 mm	25		
60594	110 mm	25		
60595	125 mm	25		
60597	160 mm	25		
60650	200 mm	1		
60654	250 mm	1		
60658	315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



PIPE CLAMPS

suitable for fixed point installation

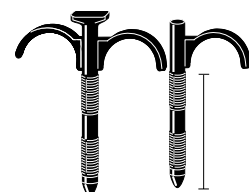
Art.-No.	for pipe dimension	PU	Box unit	Price € m/pc
60768	160 mm	1	1	
60770	200 mm	1	1	
60774	250 mm	1	1	
60778	315 mm	1	1	
60780	355 mm	1	1	
60782	400 mm	1	1	
60784	450 mm	1	1	
60786	500 mm	1	1	
60788	560 mm	1	1	
60790	630 mm	1	1	



PIPE FASTENING BOW

suitable for ø 16 - 32 mm pipes

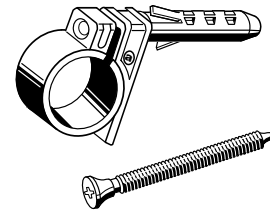
Art.-No.	for pipe dimension	PU	Box unit	Price € m/pc
60604	onefold - length = 45 mm	50		
60606	onefold - length = 75 mm	50		
60608	double - length = 45 mm	50		
60610	double - length = 75 mm	50		



PLASTIC PIPE CLAMPS

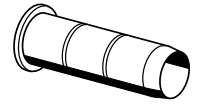
suitable for \varnothing 16 - 40 mm pipes

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:

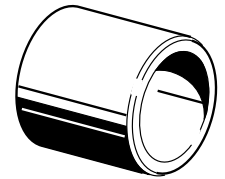
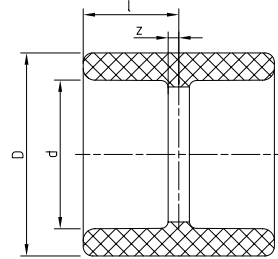
Fusiolen® PP-R

Standard:

DIN 16962, DIN EN ISO 15874

Colour:

green



SDR	Art.-No.	Dimension d [mm]	l	z	D	Weight [kg]	Systems:	PU	Box unit	Price € m/pc
6 7,4 9 11	11006	16	15	2	24,5	0,008	•	10	2000	
	11008	20	16	1,5	29,5	0,011	• • •	10	1500	
	11010	25	17,5	1,5	34	0,014	• • •	10	1000	
	11012	32	20,3	2,3	43	0,026	• • •	5	600	
	11014	40	23,8	3,3	52	0,044	• • •	5	400	
	11016	50	26,5	3	68	0,084	• • •	5	200	
	11018	63	30,3	2,8	84	0,139	• • •	1	100	
	11020	75	33,3	3,3	100	0,226	• • •	1	80	
	11022	90	36,3	3,3	120	0,343	• • •	1	50	
	11024	110	41	4	147	0,583	• • •	1	30	
11026	125	45	5	167	0,844	• • •	1	25		

REDUCING SOCKET FEMALE/FEMALE

Systems:

aquatherm green pipe,
aquatherm blue pipe, aquatherm lilac pipe

Material:

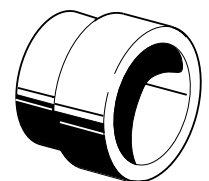
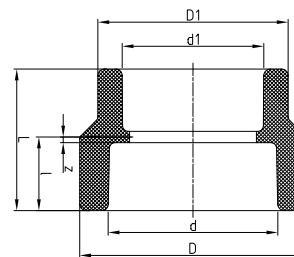
Fusiolen® PP-R

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
6 7,4 9 11	double-sided socket welding												
	11222	40	32	44	24	3,5	52	43	0,050	• • •	1	40	
	11228	50	32	47	26,5	3	68	43	0,093	• • •	1	25	
	11230	50	40	50,5	26,5	3	68	52	0,098	• • •	1	100	
	11236	63	40	54	30,5	3	84	52	0,163	• • •	1	100	
	11238	63	50	56	30	2,5	84	68	0,171	• • •	1	100	
	11240	75	50	60	33,5	3,5	100	68	0,258	• • •	1	80	
	11242	75	63	62,5	32,5	2,5	100	84	0,268	• • •	1	80	
	11252	90	63	66,5	36,5	3,5	120	84	0,414	• • •	1	30	
	11253	90	75	69	36	3	120	100	0,430	• • •	1	50	
	11257	110	75	74,5	41	4	147	100	0,733	• • •	1	45	
	11259	110	90	77,5	41	4	147	120	0,729	• • •	1	35	
	11263	125	90	83	46	6	167	120	1,075	• • •	1	25	
	11265	125	110	87	46	6	167	147	1,090	• • •	1	20	

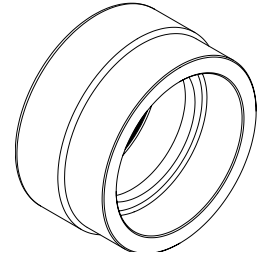
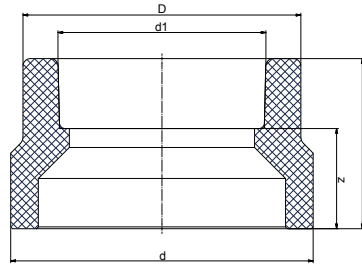
REDUCING SOCKET, SOCKET WELDING

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

Material: Fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

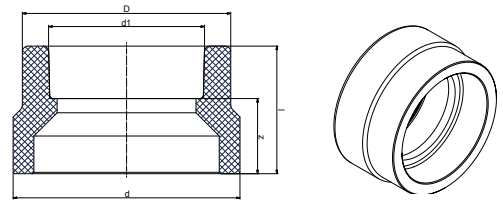
Colour: green



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	11109	20	16	39	26	24,5	0,009	•		10	2000
	11110	25	16	38	25	26	0,012	•		10	2000
	11112	25	20	38,5	24	29,5	0,012	•	•	10	1500
	11114	32	20	37,5	23	29,5	0,015	•	•	5	1000
	11116	32	25	38	22	34	0,016	•	•	5	1000
	11118	40	20	45	30,5	29,5	0,025	•	•	5	750
	11120	40	25	50	34	34	0,028	•	•	5	600
	11122	40	32	50	32	43	0,032	•	•	5	500
	11124	50	20	55	40,5	29,5	0,045	•	•	5	500
	11126	50	25	55	39	34	0,044	•	•	5	500
	11128	50	32	54	36	43	0,048	•	•	5	350
	11130	50	40	52,5	32	52	0,053	•	•	5	300
	11131	63	20	65	50,5	29,5	0,073	•	•	1	200
	11132	63	25	65	49	34	0,071	•	•	1	200
	11134	63	32	62	44	43	0,076	•	•	1	200
	11136	63	40	65	44,5	52	0,089	•	•	1	200
	11138	63	50	63,5	40	68	0,107	•	•	1	150
	11139	75	40	69,5	49	52	0,130	•	•	1	150
	11140	75	50	63	39,5	68	0,141	•	•	1	100
	11142	75	63	71	43,5	84	0,171	•	•	1	100
	11143	75	20	65,5	51	34,5	0,115	•	•	1	200
	11144	75	25	65,5	49,5	34,5	0,109	•	•	1	200
	11145	75	32	69,5	51,5	52	0,140	•	•	1	150
11151	90	50	75	51,5	68	0,196	•	•	1	100	
11152	90	63	78	50,5	84	0,226	•	•	1	75	
11153	90	75	81,5	51,5	100	0,272	•	•	1	60	
11155	110	63	86	58,5	84	0,356	•	•	1	50	
11157	110	75	89	59	100	0,383	•	•	1	50	
11159	110	90	99	66	120	0,502	•	•	1	40	
11161	125	75	101	71	100	0,528	•	•	1	35	
11163	125	90	99	66	120	0,588	•	•	1	35	
11165	125	110	112	75	147	0,833	•	•	1	25	

REDUCING SOCKET, SOCKET & BUTT WELDING

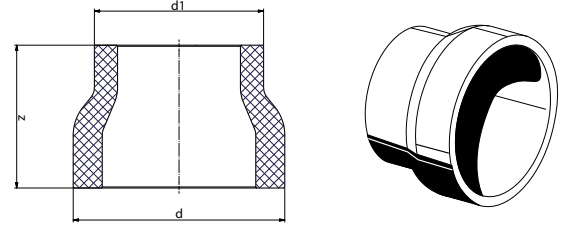
Systems: **aquatherm green pipe**, **aquatherm blue pipe**
 Material: Fusiolen® PP-R & PP-RP
 Standard: DIN 16962, DIN EN ISO 15874
 Colour: green



SDR	Art.-No.	Dimension d [mm]	Dimension d1 [mm]	l	z	D	Weight [kg]	System	PU	Box unit	Price € m/pc
onesided socket welding, other side butt welding											
7,4	11174	160	110	87	50	147	0,721	• •	1	25	
	11176	160	125	90	50	167	0,818	• •	1	20	
	11182	200	125	135	95	167	1,599	• •	1	25	
9	311174	160	110	87	50	147	0,669	•	1		
	311176	160	125	90	50	167	0,754	•	1		
	311182	200	125	135	95	167	1,453	•	1		
11	11175	160	110	90	53	147	0,595	• •	1	25	
	11177	160	125	90	50	167	0,705	• •	1	20	
	11183	200	125	135	95	167	1,358	• •	1		
17,6	2511174	160	110	90	53	147		•	1	25	
	2511176	160	125	90	50	167	0,628	•	1	25	
	2511182	200	125	135	95	167	1,055	•	1		

REDUCING SOCKET, BUTT WELDING

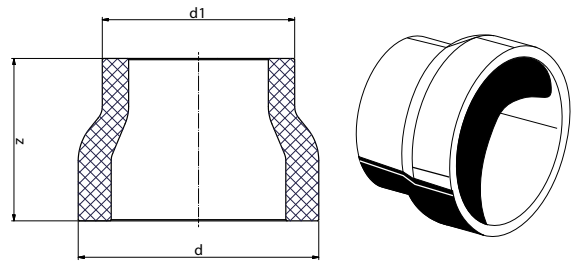
Systems: **aquatherm green pipe**, **aquatherm blue pipe**
 Material: Fusiolen® PP-R & PP-RP
 Standard: DIN 16962, DIN EN ISO 15874
 Colour: green



SDR	Art.-No.	Dimension d [mm]	Dimension d1 [mm]	z	Weight [kg]	System	PU	Box unit	Price € m/pc
double-sided butt welding									
7,4	11184	200	160	135	1,588	•	1	12	
	11188	250	160	172,5	2,900	•	1		
	11190	250	200	172,5	3,212	•	1	5	
9	311184	200	160	135	1,329	•	1		
	311188	250	160	172,5	2,419	•	1		
	311190	250	200	172,5	2,623	•	1		
	311192	315	200	225	4,947	•	1		
	311194	315	250	225	5,382	•	1		
	311196	355	250	170	5,385	•	1		
	311198	355	315	160	4,066	•	1		
11	11185	200	160	135	1,163	• •	1	12	
	11189	250	160	172,5	3,472	• •	1	5	
	11191	250	200	172,5	2,341	• •	1	5	
	11193	315	200	225	3,412	• •	1		
	11195	315	250	233	4,650	• •	1	1	
	11197	355	250	245	3,940	• •	1		
	11199	355	315	160	4,344	• •	1	3	
	11201	400	250	260		• •	1		
	11203	400	315	260		• •	1		
	11204	400	355	260		• •	1		
	11206	450	315	230		• •	1		
	11207	450	355	230		• •	1		
11208	450	400	230		• •	1			

REDUCING SOCKET, BUTT WELDING

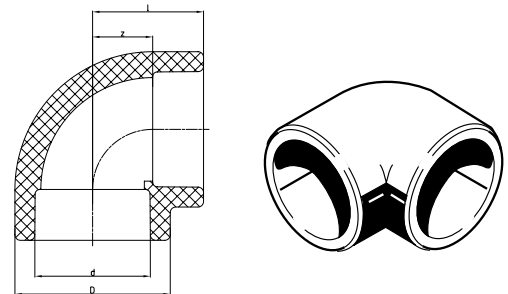
Systems: **aquatherm blue pipe**
 Material: Fusiolen® PP-R
 Standard: DIN 16962, DIN EN ISO 15874
 Colour: green



SDR	Art.-No.	Dimension d [mm]	Dimension d1 [mm]	z	Weight [kg]	System	PU	Box unit	Price € m/pc
double-sided butt welding									
17,6	2511184	200	160	135	0,786	•	1		
	2511188	250	160	172,5	1,500	•	1		
	2511190	250	200	172,5	1,338	•	1		
	2511193	315	200	225		•	1		
	2511195	315	250	225		•	1		
	2511197	355	250	245	3,099	•	1		
	2511199	355	315	160	3,108	•	1		
	2511201	400	250	260	4,482	•	1		
	2511203	400	315	260	3,366	•	1		
	2511204	400	355	260	2,982	•	1		
	2511206	450	315	230	4,891	•	1		
	2511207	450	355	230	4,688	•	1		
	2511208	450	400	230	4,287	•	1		
	2511209	500	315	230	8,100	•	1		
	2511210	500	355	230	6,500	•	1		
	2511211	500	400	230	6,700	•	1		
	2511212	500	450	230	5,500	•	1		
	2511213	560	400	230	9,000	•	1		
	2511214	560	450	200	8,600	•	1		
2511215	560	500	200	7,600	•	1			
2511216	630	400	230	15,100	•	1			
2511217	630	450	200	13,700	•	1			
2511218	630	500	200	11,000	•	1			
2511219	630	560	200	9,000	•	1			

ELBOW 90°

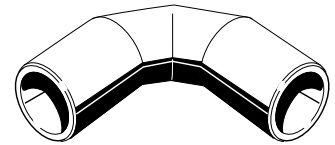
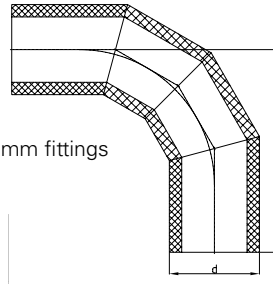
Systems: **aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe**
 Material: Fusiolen® PP-R
 Standard: DIN 16962, DIN EN ISO 15874
 Colour: green



SDR	Art.-No.	Dimension d [mm]	z	l	D	Weight [kg]	System	PU	Box unit	Price € m/pc
socket welding										
6 7,4 9 11	12106	16	9	22	24,5	0,010	•	10	2000	
	12108	20	11	25,5	29,5	0,018	• • •	10	1200	
	12110	25	13,5	29,5	34	0,023	• • •	10	800	
	12112	32	17	35	43	0,043	• • •	5	400	
	12114	40	21	41,5	52	0,071	• • •	5	250	
	12116	50	26	49,5	68	0,163	• • •	5	125	
	12118	63	32,5	60	84	0,290	• • •	1	75	
	12120	75	38,5	68,5	100	0,446	• • •	1	40	
	12122	90	46	79	120	0,743	• • •	1	25	
	12124	110	56	93	147	1,282	• • •	1	15	
	12126	125	76,5	116,5	167	2,006	• • •	1	10	

ELBOW 90° BUTT WELDING

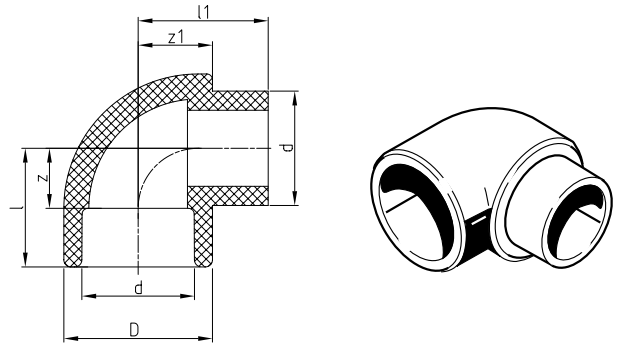
Systems: **aquatherm green pipe, aquatherm blue pipe**
 Material: Fusiolen® PP-R & PP-RP
 Standard: DIN 16962, DIN EN ISO 15874
 Notice: Electrofusion sockets are not applicable with 160 mm fittings



SDR	Art.-No.	Dimension d [mm]	z	Weight [kg]	System			PU	Box unit	Price € m/pc
butt welding										
7,4	12130	160	145	2,558	•			1	8	
	12134	200	450	11,685	•			1	16	
	12138	250	625	26,000	•			1	7	
9	312130	160	390	4,941	•			1		
	312134	200	450	8,896	•			1		
	312138	250	625	10,418	•			1		
	312142	315	773	39,717	•			1		
	312144	355	833	52,135	•			1		
11	12131	160	145	1,912	•	•	•	1	8	
	12135	200	450	8,140	•		•	1	12	
	12139	250	625	18,000	•		•	1	6	
	12143	315	773	37,850	•		•	1	2	
	12145	355	833	37,400	•		•	1		
	12147 ¹⁾	400	900	40,624	•		•	1		
	12149 ¹⁾	450	975	54,430	•		•	1		
1) mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-R										
11	2012135	200	450	8,014		•		1		
	2012139	250	625	18,000		•		1		
	2012143	315	773	37,300		•		1		
	2012145	355	833	26,650		•		1		
	2012147	400	900	74,500		•		1		
	2012149	450	975			•		1		
17,6	2512130	160	390	3,200		•		1		
	2512134	200	450			•		1		
	2512138	250	625			•		1		
	2512142	315	773	24,000		•		1		
	2512144	355	833	32,000		•		1		
	2512146	400	900			•		1		
	2512148	450	975			•		1		
	2512150	500	1100			•		1		
	2512152	560	1190			•		1		
	2512154	630	1295			•		1		

ELBOW 90° FEMALE/MALE

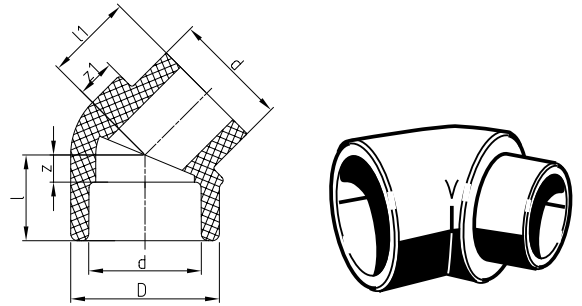
Systems: **aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe**
 Material: Fusiolen® PP-R
 Standard: DIN 16962, DIN EN ISO 15874
 Colour: green



SDR	Art.-No.	Dimension d [mm]	z	l	D	l1	z1	Weight [kg]	System	PU	Box unit	Price € m/pc
socket welding												
6 7,4 9 11	12306	16	9	22	24,5	21,8	12	0,010	• • •	10	2000	
	12308	20	11	25,5	29,5	25,5	15	0,017	• • •	10	1200	
	12310	25	13,5	29,5	34	29,5	17	0,023	• • •	10	800	
	12312	32	17	35	43	39	21,5	0,047	• • •	5	500	
	12314	40	21	41,5	52	45,5	26	0,080	• • •	5	300	

ELBOW 45° FEMALE/MALE

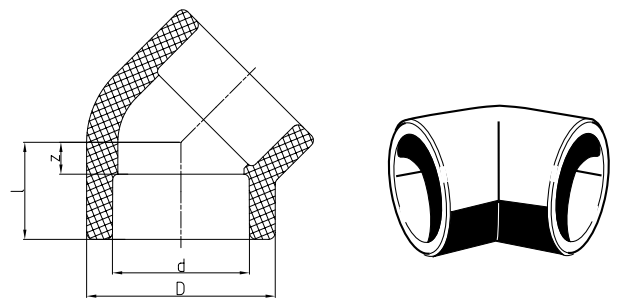
Systems: **aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe**
 Material: Fusiolen® PP-R
 Standard: DIN 16962, DIN EN ISO 15874
 Colour: green



SDR	Art.-No.	Dimension d [mm]	z	l	D	l1	z1	Weight [kg]	System	PU	Box unit	Price € m/pc
socket welding												
6 7,4 9 11	12708	20	5	19,5	29,5	19,5	9	0,013	• • •	10	1500	
	12710	25	6	22	34	22	8,5	0,017	• • •	10	1000	
	12712	32	7,5	25,5	43	28,5	11,5	0,036	• • •	5	500	
	12714	40	9,5	30	52	30,5	13,5	0,057	• • •	5	300	

ELBOW 45° SOCKET WELDING

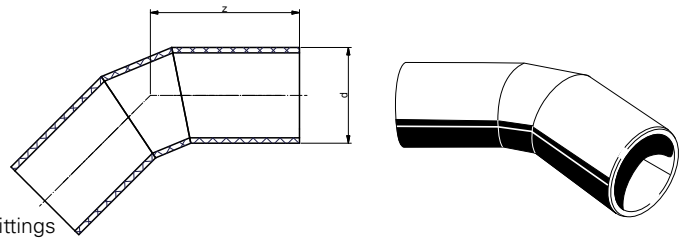
Systems: **aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe**
 Material: Fusiolen® PP-R
 Standard: DIN 16962, DIN EN ISO 15874
 Colour: green



SDR	Art.-No.	Dimension d [mm]	z	l	D	Weight [kg]	System	PU	Box unit	Price € m/pc
socket welding										
6 7,4 9 11	12506	16	4,5	17,5	24,5	0,009	• • •	10	2000	
	12508	20	5	19,5	29,5	0,014	• • •	10	1500	
	12510	25	6	22	34	0,018	• • •	10	1000	
	12512	32	7,5	25,5	43	0,035	• • •	5	500	
	12514	40	9,5	30	52	0,053	• • •	5	300	
	12516	50	11,5	35	68	0,113	• • •	5	150	
	12518	63	14	41,5	84	0,226	• • •	1	75	
	12520	75	16,5	46,5	100	0,350	• • •	1	60	
	12522	90	19,5	52,5	120	0,571	• • •	1	30	
	12524	110	23,5	60,5	147	1,022	• • •	1	20	
	12526	125	27	67	167	1,309	• • •	1	15	

ELBOW 45° BUTT WELDING

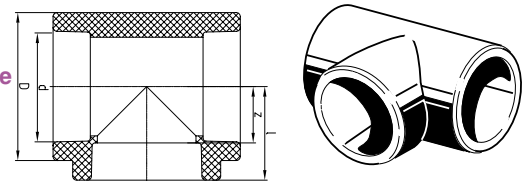
Systems: **aquatherm green pipe**, **aquatherm blue pipe**
 Material: Fusiolen® PP-R & PP-RP
 Standard: DIN 16962, DIN EN ISO 15874
 Notice: Electrofusion sockets are not applicable with 160 mm fittings



SDR	Art.-No.	Dimension d [mm]	z	Weight [kg]	System	PU	Box unit	Price € m/pc
7,4	butt welding							
	12530	160	95	1,876	•	1		
	12534	200	274	8,175	•	1		
	12538	250	412	2,800	•	1		
9	312530	160	250,00	3,564	•	1		
	312534	200	274,00	6,120	•	1		
	312538	250	412,00	14,380	•	1		
	312542	315	517,00	27,608	•	1		
	312544	355	520,00	29,974	•	1		
11	12531	160	95	1,380	• •	1		
	12535	200	274	5,735	•	1		
	12539	250	412	13,000	•	1		
	12543	315	517	27,300	•	1		
	12545	355	520	26,650	•	1		
	12547 ¹⁾	400	548,00	47,852	•	1		
	12549 ¹⁾	450	580,00	62,848	•	1		
1) MECHANICALLY STABILIZED THROUGH A FIBRE MIX INTEGRATED IN THE MIDDLE LAYER OF THE FUSIOLEN® PP-R								
11	2012535	200	274,00	6,865	•	1		
	2012539	250	412,00	16,000	•	1		
	2012543	315	517,00	27,100	•	1		
	2012545	355	520,00	42,000	•	1		
	2012547	400	548		•	1		
	2012549	450	580		•	1		
17,6	2512530	160	249	1,730	•	1		
	2512534	200	274		•	1		
	2512538	250	412	9,400	•	1		
	2512542	315	498	18,000	•	1		
	2512544	355	520		•	1		
	2512546	400	548	30,800	•	1		
	2512548	450	580		•	1		
	2512550	500	665		•	1		
	2512552	560	698		•	1		
	2512554	630	741		•	1		

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	l	D	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7,4 9 11	socket welding									
	13106	16	9	22	24,5	0,015	•	10	1500	
	13108	20	11	25,5	29,5	0,022	• • •	10	1000	
	13110	25	15	31	34	0,033	• • •	10	500	
	13112	32	17	35	43	0,054	• • •	5	300	
	13114	40	20	40,5	52	0,099	• • •	5	200	
	13116	50	26	49,5	68	0,175	• • •	5	100	
	13118	63	32,5	60	84	0,371	• • •	1	50	
	13120	75	38,5	68,5	100	0,540	• • •	1	30	
	13122	90	46	79	120	0,924	• • •	1	25	
	13124	110	56	93	147	1,611	• • •	1	14	
	13126	125	76,5	116,5	167	2,655	• • •	1	8	

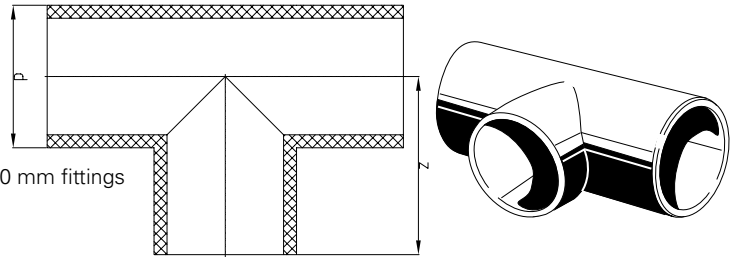
T-PIECE BUTT WELDING

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

Material: Fusiolen® PP-R & PP-RP

Standard: DIN 16962, DIN EN ISO 15874

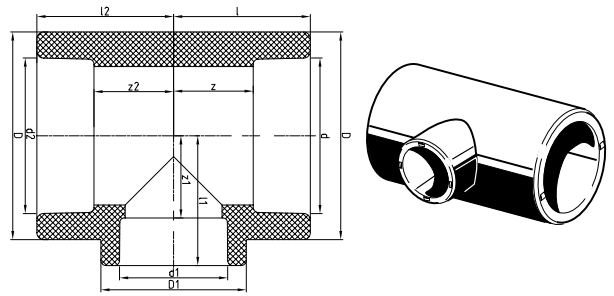
Notice: Electrofusion sockets are not applicable with 160 mm fittings



SDR	Art.-No.	Dimension d [mm]	z	Weight [kg]	System		PU	Box unit	Price € m/pc
butt welding									
7,4	13130	160	145	3,575	•		1	5	
	13134	200	250	9,825	•		1	2	
	13138	250	375	22,000	•		1	8	
9	313130	160	230,00	4,333	•		1		
	313134	200	250,00	7,236	•		1		
	313138	250	375,00	17,400	•		1		
	313142	315	460,00	33,810	•		1		
	313144	355	480,00	44,306	•		1		
11	13131	160	145	2,791	•	•	1	5	
	13135	200	250	6,865	•		1	2	
	13139	250	375	16,000	•		1	8	
	13143	315	460	20,450	•		1		
	13145	355	480		•		1		
	13147¹⁾	400	500,00	47,852	•		1		
	13149¹⁾	450	525,00	62,848	•		1		
1) mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-R									
11	2013135	200	250,00	6,865		•	1		
	2013139	250	375,00	16,000		•	1		
	2013143	315	460,00	20,450		•	1		
	2013145	355	480,00	42,000		•	1		
	2013147	400	500			•	1		
	2013149	450	525			•	1		
17,6	2513130	160	145	2,716		•	1		
	2513134	200	250			•	1		
	2513138	250	375	11,500		•	1		
	2513142	315	460	22,000		•	1		
	2513144	355	480	27,500		•	1		
	2513146	400	500			•	1		
	2513148	450	525			•	1		
	2513150	500	600			•	1		
	2513152	560	630			•	1		
	2513154	630	665			•	1		

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

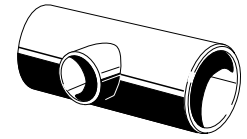
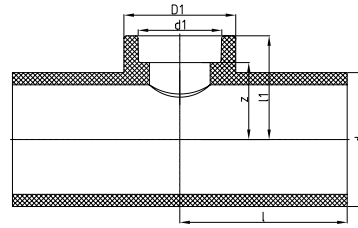


SDR	Art.-No.	d	d1	d2	l	l1	l2	z	z1	z2	D	D1	Weight [kg]	System	PU	Box unit	Price € m/pc		
socket welding																			
6 7,4 9 11	13506	20	16	16	25,5	25,5	25,5	11	12	12,5	29,5	29,5	0,025	•		10	1000		
	13508	20	16	20	25,5	25,5	25,5	11	12	11	29,5	29,5	0,024	•		10	1000		
	13510	20	20	16	25,5	25,5	25,5	11	11	12,5	29,5	29,5	0,023	•		10	1000		
	13511	20	25	20	31	30,5	31	16,5	14,5	16,5	34	34	0,040	•	•	•	10	500	
	13512	25	16	16	31	30,5	31	15	17,5	18	34	34	0,043	•			10	500	
	13514	25	16	20	31	30,5	31	15	17,5	16,5	34	34	0,041	•			10	500	
	13516	25	16	25	31	30,5	31	15	17,5	15	34	34	0,038	•			10	500	
	13520	25	20	20	31	30,5	31	15	16	16,5	34	34	0,039	•	•	•	10	500	
	13522	25	20	25	31	30,5	31	15	16	15	34	34	0,036	•	•	•	10	500	
	13528	32	16	32	35	31	35	17	18	17	43	29,5	0,053	•	•	•	5	300	
	13532	32	20	20	36,5	37	36,5	18,8	22,5	22,3	43	43	0,075	•	•	•	5	300	
	13534	32	20	32	35	31	35	17	16,5	17	43	29,5	0,049	•	•	•	5	300	
	13538	32	25	25	35	34,5	35	17	18,5	15	43	43	0,069	•	•	•	5		
	13540	32	25	32	35	34,5	35	17	18,5	17	43	43	0,050	•	•	•	5	300	
	13542	40	20	40	41,5	36	41,5	21	21,5	21	52	34	0,091	•	•	•	5	200	
	13544	40	25	40	41,5	36	41,5	21	20	21	52	34	0,090	•	•	•	5	200	
	13546	40	32	40	42	40,5	42	21,5	22,5	21,5	52	52	0,092	•	•	•	5	200	
	13547	50	20	50	49,5	40,5	49,5	26	26	26	68	29,5	0,161	•	•	•	5	100	
	13548	50	25	50	49,5	44,5	49,5	26	28,5	26	68	43	0,158	•	•	•	5	100	
	13550	50	32	50	49,5	44,5	49,5	26	26,5	26	68	43	0,159	•	•	•	5	100	
	13551	50	40	50	49,5	49,5	49,5	26	29	26	68	68	0,161	•	•	•	5	100	
	13552	63	20	63	60	48,5	60	32,5	34	32,5	84	34	0,334	•	•	•	1	50	
	13554	63	25	63	60	48,5	60	32,5	32,5	32,5	84	34	0,329	•	•	•	1	50	
	13556	63	32	63	60	53,5	60	32,5	35,5	32,5	84	52	0,342	•	•	•	1	50	
	13558	63	40	63	60	53,5	60	32,5	33	32,5	84	52	0,333	•	•	•	1	50	
	13560	63	50	63	60	60	60	32,5	36,5	32,5	84	84	0,402	•	•	•	1	50	
	13561	75	20	75	68,5	54,5	68,5	38,5	40	38,5	100	34	0,501	•	•	•	1	35	
	13562	75	25	75	68,5	54,5	68,5	38,5	38,5	38,5	100	34	0,497	•	•	•	1	35	
	13564	75	32	75	68,5	59	68,5	38,5	41	38,5	100	52	0,506	•	•	•	1	35	
	13566	75	40	75	68,5	59	68,5	38,5	38,5	38,5	100	52	0,496	•	•	•	1	35	
	13568	75	50	75	68,5	66	68,5	38,5	42,5	38,5	100	84	0,553	•	•	•	1	35	
	13570	75	63	75	68,5	66	68,5	38,5	38,5	38,5	100	84	0,518	•	•	•	1	35	
	13576 ¹⁾	90	32	90	79	65	79	46	47	46	120	52	0,882	•	•	•	1	25	
13578 ¹⁾	90	40	90	79	65	79	46	44,5	46	120	52	0,870	•	•	•	1	25		
13580 ¹⁾	90	50	90	79	75	79	46	51,5	46	120	84	0,908	•	•	•	1	25		
13582 ¹⁾	90	63	90	79	75	79	46	47,5	46	120	84	0,874	•	•	•	1	25		
13584 ¹⁾	90	75	90	79	81	79	46	51	46	120	120	0,993	•	•	•	1	25		
13586 ¹⁾	110	63	110	93	87,5	93	56	60	56	147	100	1,567	•	•	•	1	15		
13588 ¹⁾	110	75	110	93	87,5	93	56	57,5	56	147	100	1,501	•	•	•	1	15		
13590 ¹⁾	110	90	110	93	89	93	56	56	56	147	120	1,534	•	•	•	1	15		
13592 ¹⁾	125	75	125	116,5	106,5	116,5	76,5	76,5	76,5	167	100	2,421	•	•	•	1	8		
13594 ¹⁾	125	90	125	116,5	109,5	116,5	76,5	76,5	76,5	167	120	2,519	•	•	•	1	8		
13596 ¹⁾	125	110	125	116,5	113,5	116,5	76,5	76,5	76,5	167	147	2,563	•	•	•	1	8		

1) MECHANICALLY STABILIZED THROUGH A FIBRE MIX INTEGRATED IN THE MIDDLE LAYER OF THE FUSIOLEN® PP-R

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

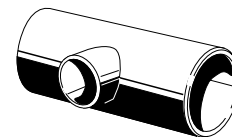
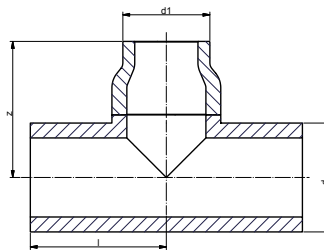
Systems: **aquatherm green pipe, aquatherm blue pipe**
 Material: Fusiolen® PP-R & PP-RP
 Standard: DIN 16962, DIN EN ISO 15874
 Branch: socket welding



SDR	Art.-No.	d	d1	l	l1	z	D	Weight [kg]	System	PU	Box unit	Price € m/pc
branch: socket welding												
7,4	13600	160	75	230	122	92	100	4,414	•		1	4
	13602	160	90	230	125	92	120	4,515	•		1	4
	13608	200	75	250	142	112	100	7,110	•		1	1
	13610	200	90	250	145	112	120	7,540	•		1	1
	13612	200	110	250	149	112	147	7,325	•		1	1
	13614	200	125	250	155	115	167	7,645	•		1	1
	13624	250	75	375	167	137	100	16,600	•		1	10
	13626	250	90	375	170	137	120	16,800	•		1	10
	13628	250	110	375	174	137	147	16,800	•		1	10
13630	250	125	375	180	140	167	17,000	•		1	10	
9	313600	160	75	230	122	92	100,00	3,48	•		1	
	313602	160	90	230	125	92	120,00	3,57	•		1	
	313608	200	75	250	142	112	100,00	5,81	•		1	
	313610	200	90	250	145	112	120,00	5,89	•		1	
	313612	200	110	250	149	112	147,00	6,20	•		1	
	313614	200	125	250	155	115	167,00	6,35	•		1	
	313624	250	75	375	167	137	100,00	14,72	•		1	
	313626	250	90	375	170	137	120,00	14,84	•		1	
	313628	250	110								1	
	313630	250	125	375	180	140	167,00	15,33	•		1	
	313904	315	125								1	
313916	355	125	480			193	45,950	•		1	1	
11	13601	160	75	230	122	92	100	3,140	•	•	1	4
	13603	160	90	230	125	92	120	3,176	•	•	1	4
	13609	200	75	250	142	112	100	5,284	•		1	1
	13611	200	90	250	145	112	120	5,168	•		1	1
	13613	200	110	250	149	112	147	5,648	•		1	1
	13615	200	125	250	155	115	167	5,786	•		1	1
	13625	250	75	375	167	137	100	12,000	•		1	10
	13627	250	90	375	170	137	120	12,000	•		1	10
	13629	250	110	375	174	137	147	13,000	•		1	10
	13631	250	125	375	180	140	167	12,000	•		1	10
	13651	315	125	460	213	173	167	25,150	•		1	
	13663	355	125	480	233	193	167		•		1	
	13676	400	125	500	255	215	167		•		1	
	13690	450	125	525	280	240	167		•		1	

RED.- T-PIECE, BUTT WELDING

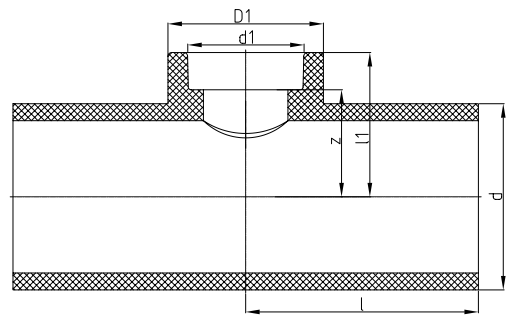
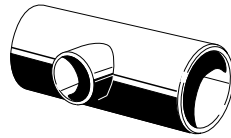
Systems: **aquatherm green pipe, aquatherm blue pipe**
 Material: Fusiolen® PP-R & PP-RP
 Standard: DIN 16962, DIN EN ISO 15874
 Branch: butt welding



SDR	Art.-No.	d	d1	l	z	Weight [kg]	System	PU	Box unit	Price € m/pc
branch: butt welding										
7,4	13618	200	160	250	250		•	1		
	13634	250	160	375	682	28,000	•	1	4	
	13640	250	200	375	375	27,000	•	1	4	
9	313618	200	160	250	250	6,42	•	1		
	313634	250	160	375	682	22,070	•	1	1	
	313640	250	200	375	548	17,470	•	1	1	
	313906	315	160	460	238	29,310	•	1	1	
	313908	315	200	460	460	35,900	•	1	1	
	313910	315	250	460	460	36,400	•	1	1	
	313918	355	160	480	258	46,500	•	1	1	
	313920	355	200	480	268	38,950	•	1	1	
	313922	355	250	480	480	22,070	•	1	1	
313924	355	315	480	480	17,470	•	1	1		
11	13619	200	160	250	250		•	1		
	13635	250	160	375	375	19,500	•	1	4	
	13641	250	200	375	375	18,500	•	1	4	
	13653	315	160	460	238	24,850	•	1		
	13655	315	200	460	460	29,400	•	1		
	13657	315	250	460	460	30,250	•	1		
	13665	355	160	480	258		•	1		
	13667	355	200	480	268		•	1		
	13669	355	250	480	480		•	1		
	13671	355	315	480	480		•	1		
	13678	400	160	500	354		•	1		
	13680	400	200	500	318		•	1		
	13682	400	250	500	280		•	1		
	13684	400	315	500	500		•	1		
	13685	400	355	500	500		•	1		
	13692	450	160	525	379		•	1		
	13694	450	200	525	343		•	1		
13696	450	250	525	305		•	1			
13698	450	315	525	315		•	1			
13699	450	355	525	525		•	1			
13700	450	400	525	525		•	1			

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

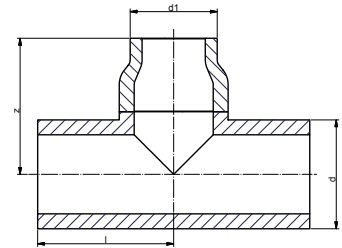
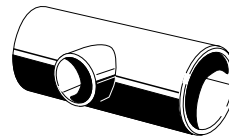
Systems: **aquatherm blue pipe**
 Material: Fusiolen® PP-R
 Standard: DIN 16962, DIN EN ISO 15874
 Colour: blue
 Branch: socket welding



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

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

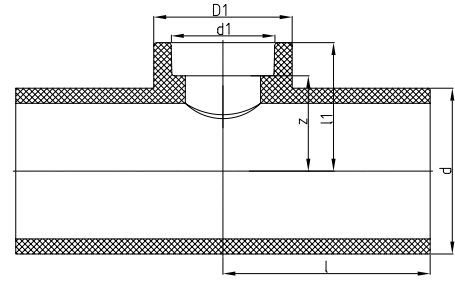
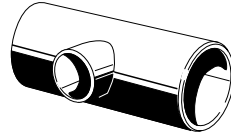
Systems: **aquatherm blue pipe**
 Material: Fusiolen® PP-R
 Standard: DIN 16962, DIN EN ISO 15874
 Colour: blue
 Branch: butt welding



SDR	Art.-No.	d	d1	l	z	Weight [kg]	System	PU	Box unit	Price € m/pc
Branch: butt welding										
11	2013619	200	160	250	250		•	1		
	2013635	250	160	375	682		•	1		
	2013641	250	200	375	548		•	1		
	2013653	315	160	460	238	25,000	•	1		
	2013655	315	200	460	460		•	1		
	2013657	315	250	460	460		•	1		
	2013665	355	160	480	258		•	1		
	2013667	355	200	480	268	30,200	•	1		
	2013669	355	250	480	480	40,000	•	1		
	2013671	355	315	480	480	40,000	•	1		
	2013678	400	160	500	354		•	1		
	2013680	400	200	500	318		•	1		
	2013682	400	250	500	280	46,000	•	1		
	2013684	400	315	500	500		•	1		
	2013685	400	355	500	500		•	1		
	2013692	450	160	525	379		•	1		
	2013694	450	200	525	343		•	1		
	2013696	450	250	525	305		•	1		
	2013698	450	315	525	315		•	1		
2013699	450	355	525	525		•	1			
2013700	450	400	525	525		•	1			

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

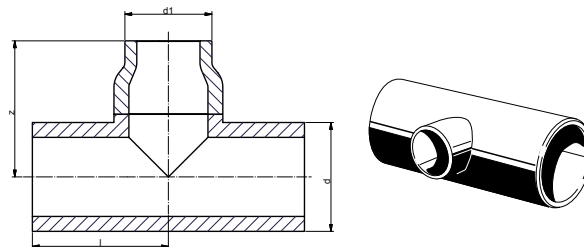
Systems: **aquatherm blue pipe**
 Material: Fusiolen® PP-R
 Standard: DIN 16962, DIN EN ISO 15874
 Colour: blue
 Branch: socket welding



SDR	Art.-No.	d	d1	l	l1	z	D	Weight [kg]	System	PU	Box unit	Price € m/pc
17,6	Branch: socket welding											
	2513600	160	75	230	122	92	100		•	1		
	2513602	160	90	230	125	92	120		•	1		
	2513608	200	75	250	142	112	100		•	1		
	2513610	200	90	250	145	112	120		•	1		
	2513612	200	110	250	149	112	147		•	1		
	2513614	200	125	250	155	115	167		•	1		
	2513624	250	75	375	167	137	100		•	1		
	2513626	250	90	375	170	137	120		•	1		
	2513628	250	110	375	174	137	147		•	1		
	2513630	250	125	375	180	140	167		•	1		
	2513651	315	125	460	213	173	167		•	1		
	2513663	355	125	480	233	193	167	21,500	•	1		
	2513676	400	125	500	255	215	167		•	1		
	2513690	450	125	525	280	240	167		•	1		
2513804	500	125	600	305	265	167		•	1			
2513821	560	125	630	335	295	167		•	1			
2513839	630	125	665	370	330	167		•	1			

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

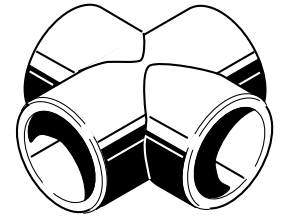
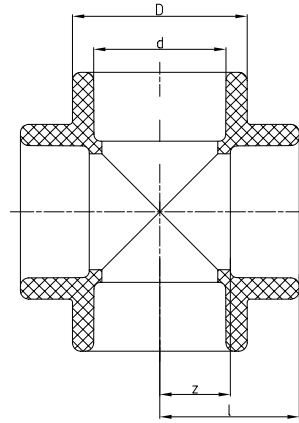
Systems: **aquatherm blue pipe**
 Standard: DIN 16962, DIN EN ISO 15874
 Colour: blue
 Branch: butt welding



SDR	Art.-No.	d	d1	l	z	Weight [kg]	System	PU	Box unit	Price € m/pc	
17,6	butt welding										
	2513618	200	160	250	250		•	1			
	2513634	250	160	375	375		•	1			
	2513640	250	200	375	375		•	1			
	2513653	315	160	460	238		•	1			
	2513655	315	200	460	460		•	1			
	2513657	315	250	460	460		•	1			
	2513665	355	160	480	258	21,500	•	1			
	2513667	355	200	480	268		•	1			
	2513669	355	250	480	480		•	1			
	2513671	355	315	480	480		•	1			
	2513678	400	160	500	354		•	1			
	2513680	400	200	500	318		•	1			
	2513682	400	250	500	280	29,000	•	1			
	2513684	400	315	500	500	35,800	•	1			
	2513685	400	355	500	500		•	1			
	2513692	450	160	525	379		•	1			
	2513694	450	200	525	343		•	1			
	2513696	450	250	525	305		•	1			
	2513698	450	315	525	315		•	1			
	2513699	450	355	525	525		•	1			
	2513700	450	400	525	525		•	1			
	2513806	500	160	600	404		•	1			
	2513808	500	200	600	368		•	1			
	2513810	500	250	600	330		•	1			
	2513812	500	315	600	340		•	1			
	2513813	500	355	600	600		•	1			
	2513814	500	400	600	600		•	1			
	2513815	500	450	600	600		•	1			
	2513823	560	160	630	434		•	1			
	2513825	560	200	630	398		•	1			
	2513827	560	250	630	360		•	1			
	2513829	560	315	630	370		•	1			
	2513830	560	355				•	1			
2513831	560	400	630	630		•	1				
2513832	560	450	630	630		•	1				
2513833	560	500	630	630		•	1				
2513841	630	160	665	474		•	1				
2513843	630	200	665	438		•	1				
2513845	630	250	665	400		•	1				
2513847	630	315	665	405		•	1				
2513848	630	355				•	1				
2513849	630	400	665	665		•	1				
2513850	630	450	665	665		•	1				
2513851	630	500	665	665		•	1				
2513852	630	560	665	665		•	1				

CROSS

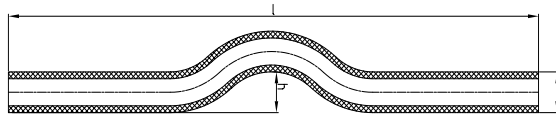
Systems: **aquatherm green pipe**,
aquatherm blue pipe, **aquatherm lilac pipe**
 Material: Fusiolen® PP-R
 Standard: DIN 16962, DIN EN ISO 15874
 Colour: green



SDR	Art.-No.	Dimension d [mm]	z	l	D	Weight [kg]	System	PU	Box unit	Price € m/pc
socket welding										
6	13708	20	26	11,5	29,5	0,025	• • •	10	500	
7,4	13710	25	29,5	13,5	34	0,035	• • •	10	500	
9	13712	32	35	17	43	0,064	• • •	5	250	
11	13714	40	41,5	21	52	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
socket welding									
6	16106	16	17	352	0,038	• • •	10	600	
7,4	16108	20	22	352	0,060	• • •	10	400	
9	16110	25	25	352	0,091	• • •	10	250	
11	16112	32	32	352	0,154	• • •	5	120	

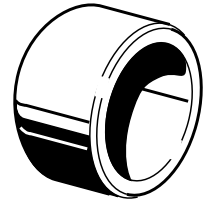
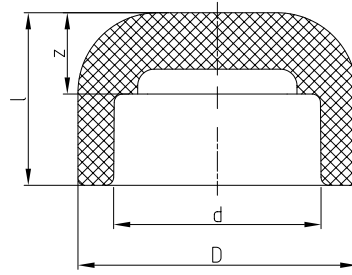
END CAP

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	
socket welding											
6 7,4 9 11	14106	16	26,5	13,5	26	0,008	•		10	2000	
	14108	20	24	10	29,5	0,009	•	•	10	2000	
	14110	25	24,0	8,0	34	0,011	•	•	10	1500	
	14112	32	31,5	13,5	43	0,019	•	•	5	1000	
	14114	40	38,0	17,5	52	0,043	•	•	5	500	
	14116	50	44,5	21,0	68	0,081	•	•	5	300	
	14118	63	52,0	24,5	84	0,144	•	•	1	150	
	14120	75	58,5	28,5	100	0,243	•	•	1	90	
	14122	90	57,5	34,5	120	0,368	•	•	1	60	
	14124	110	65,0	28,0	147	0,635	•	•	1	40	
14126	125	70,0	30,0	167	0,862	•	•	1	30		
butt welding											
7,4	14130	160	70			0,914	•	•	1	30	
	14134	200	80			1,378	•	•	1	24	
	14138	250	90			2,530	•	•	1	10	
9	314130	160	70			0,60	•		1		
	314134	200	80			1,10	•		1		
	314138	250	90			2,00	•		1		
	314142	315	270			5,80	•		1		
	314144	355	65			9,00	•		1		
11	14131	160	70			0,818	•	•	1	30	
	14135	200	80			1,070	•	•	1	24	
	14139	250	90			1,989	•	•	1	10	
	14143	315	270			6,200	•	•	1		
	14145	355	65			9,500	•	•	1		
	14147	400	60				•	•	1		
	14149	450	70				•	•	1		
17,6	2514130	160				0,679		•	1		
	2514134	200				0,925		•	1		
	2514138	250				2,109		•	1		
	2514142	315				2,961		•	1		
	2514144	355				3,930		•	1		
	2514146	400	60			5,821		•	1		
	2514148	450	70			8,520		•	1		
	2514150	500	75			12,500		•	1		
	2514152	560	80			16,000		•	1		
2514154	630	90			23,500		•	1			

aquatherm green pipe

aquatherm blue pipe

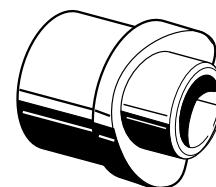
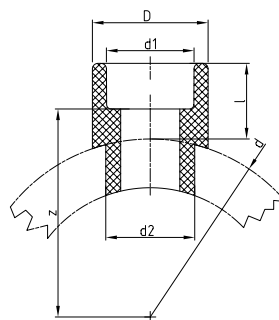
aquatherm lilac pipe

WELD-IN SADDLE

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

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

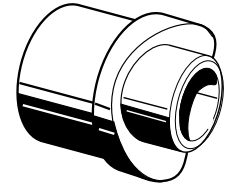
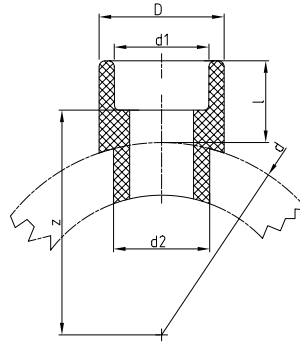
Notice *do not use with aquatherm blue pipe OT



SDR	Art.-No.	d	d1	d2	l	z	D	Weight [kg]	System	PU	Box unit	Price € m/pc
socket welding												
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	68,50	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	67,00	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	0,091	• • •	5	200	
	15198	125	63	63	38,00	73,00	84,00	0,150	• • •	5	125	
	15206	160	20	25	27,50	93,00	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	84,00	0,093	• • •	5	200	
	15216	160	63	63	38,00	90,50	84,00	0,155	• • •	5	120	
15218	160	75	75	42,00	92,00	100,00	0,227	• • •	5	80		
15220	160	90	90	45,00	92,00	120,00	0,364	• • •	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	0,147	• • •	5	120		
15234	200	75	75	42,00	112,00	100,00	0,220	• • •	5	100		
15235	200	90	90	45,00	112,00	120,00	0,342	• • •	5	5		
15236	200	110	110	49,00	112,00	147,00	0,577	• • •	5	2		
15237	200	125	125	55,00	115,00	167,00	0,869	• • •	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	0,054	• • •	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

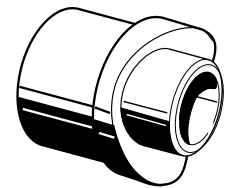
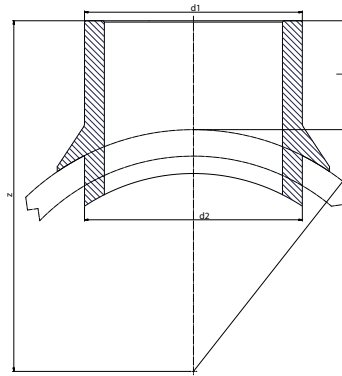


SDR	Art.-No.	d	d1	d2	l	z	D	Weight [kg]	System	PU	Box unit	Price € m/pc
socket welding												
6 7,4 9 11 17,6	15260	315-355	63	63	37,50	167,50	84,00	0,153	• •	1		
	15261	315-355	75	75	42,00	169,50	100,00	0,230	• •	1		
	15262	315	90	90	45,00	169,50	120,00	0,347	• •	1		
	15263	315	110	110	49,00	169,50	147,00	0,567	• •	1		
	15264	315	125	125	55,00	172,50	167,00	0,830	• •	1		
	15268	355	90	90	45,00	189,5	120,00	0,355	• •	1		
	15269	355	110	110	49,00	189,5	147,00	0,586	• •	1		
	15270	355	125	125	55,00	192,5	167,00	0,803	• •	1		
	15275	400-500	75	75	42,00	212,00	100,00	0,209	• •	1		
	15277	400-450	110	110	49,00	212,00	147,00	0,528	• •	1		
	15278	400	125	125	55,00	215,00	167,00	0,769	• •	1		
	15288	400-500	90	90	45,00	237,00	120,00	0,326	• •	1		
	15290	450-500	125	125	55,00	240,00	167,00	0,774	• •	1		
	15300	400-630	63	63	37,50	260,00	84,00	0,148	• •	1		
	15303	500-560	110	110	49,00	262,00	147,00	0,541	• •	1		
	15315	560-630	75	75	42,00	292,00	100,00	0,224	• •	1		
15316	560-630	90	90	45,00	292,00	120,00	0,340	• •	1			
15318	560-630	125	125	55,00	280,00	167,00	0,792	• •	1			
15331	630	110	110	49,00	327,00	147,00	0,563	• •	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 on page 59-61.

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
butt welding											
9	315265	315	160	160	80	237,5	0,7	• •	1	1	
	315271	355	160	160	80	257,5	0,8	• •	1	1	
11	15265	315	160	160	160	80	0,868	• •	1	1	
	15271	355	160	160	160	80	0,845	• •	1	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 on page 59 - 61.

WELD-IN SADDLE WITH FEMALE THREAD

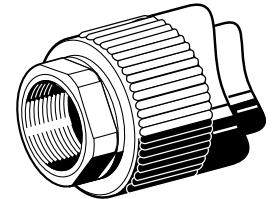
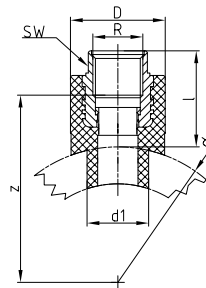
Systems: **aquatherm green pipe**, **aquatherm blue pipe**,
aquatherm lilac pipe

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
socket welding													
6 7,4 9 11 17,6	28214*	40	25	39	43	38,5	1/2"	24	0,088	• • •	5	300	
	28216	50	25	39	48	38,5	1/2"	24	0,090	• • •	5	300	
	28218	63	25	39	54,5	38,5	1/2"	24	0,089	• • •	5	300	
	28220	75	25	39	53,5	38,5	1/2"	24	0,083	• • •	5	300	
	28222	90	25	39	68	38,5	1/2"	24	0,090	• • •	5	300	
	28224	110	25	39	78	38,5	1/2"	24	0,089	• • •	5	300	
	28226	125	25	39	85,5	38,5	1/2"	24	0,092	• • •	5	250	
	28230	160	25	39	103	38,5	1/2"	24	0,092	• • •	5	250	
	28232	200	25	39	38	38,5	1/2"	24	0,092	• • •	5	50	
	28234	40	25	39	43	43,5	3/4"	31	0,107	• • •	5	300	
	28236	50	25	39	49,5	43,5	3/4"	31	0,110	• • •	5	300	
	28238	63	25	39	55,5	43,5	3/4"	31	0,109	• • •	5	300	
	28240	75	25	39	63	43,5	3/4"	31	0,109	• • •	5	300	
	28242	90	25	39	73	43,5	3/4"	31	0,110	• • •	5	300	
	28244	110	25	39	80,5	43,5	3/4"	31	0,110	• • •	5	300	
	28246	125	25	39	96	43,5	3/4"	31	0,112	• • •	5	300	
	28250	160	25	39	58,5	43,5	3/4"	31	0,112	• • •	5	250	
	28254	200	25	39	66	43,5	3/4"	31	0,112	• • •	5	250	
	28260	75	32	43	76	60	1"	39	0,222	• • •	5	125	
	28262	90	32	43	83,5	60	1"	39	0,221	• • •	5	125	
28264	110	32	43	101	60	1"	39	0,224	• • •	5	125		
28266	125	32	43	123	60	1"	39	0,022	• • •	5	125		
28270	160	32	43	118	60	1"	39	0,226	• • •	5	125		
28274	200	32	43	121	60	1"	39	0,244	• • •	5	25		

WELD-IN SADDLE WITH MALE THREAD

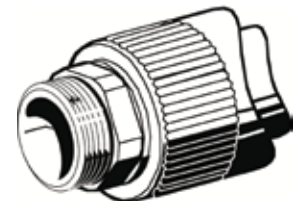
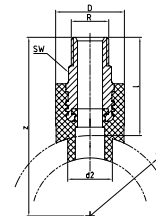
Systems: **aquatherm green pipe**, **aquatherm blue pipe**, **aquatherm lilac pipe**

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
socket welding													
6 7,4 9 11 17,6	28314*	40	25	55	75	38,5	R1/2	21	0,088	• • •	5	300	
	28316	50	25	55	80	38,5	R1/2	21	0,090	• • •	5	300	
	28318	63	25	55	86,5	38,5	R1/2	21	0,089	• • •	5	300	
	28320	75	25	55	92,5	38,5	R1/2	21	0,097	• • •	5	300	
	28322	90	25	55	100	38,5	R1/2	21	0,090	• • •	5	300	
	28324	110	25	55	110	38,5	R1/2	21	0,089	• • •	5	300	
	28326	125	25	55	118	38,5	R1/2	21	0,092	• • •	5	300	
	28330	160	25	55	135	38,5	R1/2	21	0,092	• • •	5	300	
	28334	40	25	56	76	43,5	R3/4	24	0,107	• • •	5	250	
	28336	50	25	56	81	43,5	R3/4	24	0,110	• • •	5	250	
	28338	63	25	56	87,5	43,5	R3/4	24	0,109	• • •	5	250	
	28340	75	25	56	93,5	43,5	R3/4	24	0,109	• • •	5	250	
	28342	90	25	56	101	43,5	R3/4	24	0,110	• • •	5	250	
	28344	110	25	56	111	43,5	R3/4	24	0,110	• • •	5	250	
	28346	125	25	56	118,5	43,5	R3/4	24	0,112	• • •	5	250	
	28350	160	25	56	136	43,5	R3/4	24	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 on page 59-61.

FLANGE ADAPTER SOCKET WELDING

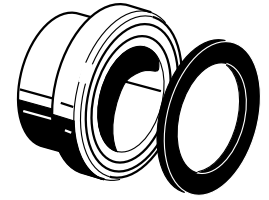
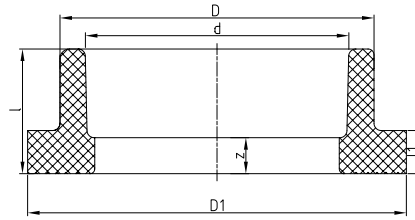
with gasket

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	l1	z1	Weight [kg]	System	PU	Box unit	Price € m/pc
socket welding													
6 7,4 9 11	15512	32	35	17	41	68	11	3	0,053	• • •	1	1	
	15514	40	36,5	16,0	50	78	12,0	3	0,071	• • •	1	1	
	15516	50	40,5	17	61	88	13	3	0,095	• • •	1	1	
	15518	63	44,5	16	76	102	15,0	3	0,130	• • •	1	1	
	15520	75	47	17	90	122	17	3	0,191	• • •	1	1	
	15522	90	50	17	108	138	17	3	0,258	• • •	1	1	
	15524	110	55,5	18,5	131	158	18,5	3	0,329	• • •	1	1	
	15526*	125	202	202	125	158	13,5	3	1,330	• • •	1	1	
15527	125	63	23	165	188	20	3	0,724	• • •	1	1		

*only applicable with fitting, with 110 mm flange adapter

FLANGE ADAPTER BUTT WELDING

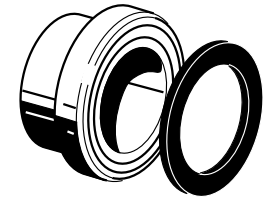
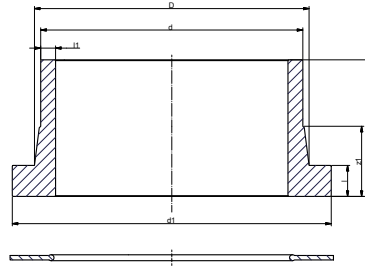
with gasket

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	Weight [kg]	System	PU	Box unit	Price € m/pc
butt welding													
7,4	15530	160	25	93	175	212	21,9	53	1,163	• •	1	1	
	15534	200	32	130	232	268	27,4	72	2,292	• •	1	1	
	15538	250	35	130	285	320	34,2	75	3,298	• •	1	1	
9	315530	160	25	93	175,00	212	17,9	53	0,98	• •	1	1	
	315534	200	32	130	232,00	268	22,4	72	2,00	• •	1	1	
	315538	250	35	130	285,00	320	27,9	75	3,10	• •	1	1	
	315542	315	35	170	337,00	370	35,2	90	5,50	• •	1	1	
	315544	355	42	185	372,00	432	39,7	95	7,80	• •	1	1	
11	15531	160	25	93	175	212	14,6	53	0,955	• •	1	1	
	15535	200	32	130	232	268	18,2	72	1,957	• •	1	1	
	15539	250	35	130	285	320	22,7	75	2,717	• •	1	1	
	15543	315	35	170	333	370	28,6	90	5,650	• •	1	1	
	15545	355	42	185	370	432	32,2	95	9,000	• •	1	1	
	15547	400	33	199	425	484	22,7	89		• •	1	1	
	15549	450	46	140	425	586	25,7	76		• •	1	1	
17,6	2515530	160	25	93	175	212	9,1	53	0,821	• •	1	11	
	2515534	200	32	130	232	268	11,4	72		• •	1	11	
	2515538	250	35	130	285	320	14,2	75	2,736	• •	1	11	
	2515542	315	35	170	333	370	17,9	90	4,500	• •	1	11	
	2515544	355	42	185	370	432	20,1	95	6,500	• •	1	11	
	2515546	400	33	199	425	484	22,7	89	8,500	• •	1	11	
	2515548	450	46	140	512	586	25,7	76	12,000	• •	1	11	
	2515550	500	47	141	525	585	28,4	74	9,800	• •	1	11	
	2515552	560	50	141	612	685	31,7	81	13,800	• •	1	11	
2515554	630	50	142	640	688	35,7	82	12,600	• •	1	11		

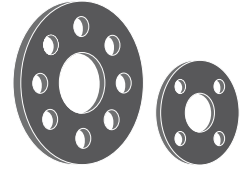
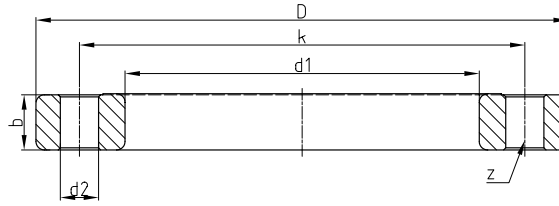
aquatherm green pipe

aquatherm blue pipe

aquatherm lilac pipe

PLASTIC COATED STEEL FLANGE

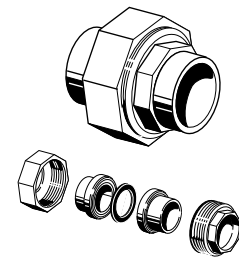
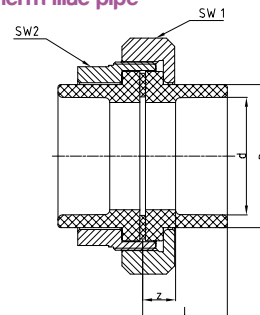
Systems: **aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe**
 Material: PP/steel
 Colour: grey



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	85	14	15,5	4	0,466	• • •	1	1		
	15714	40	15514	51	141	100	18	17,5	4	0,681	• • •	1	1		
	15716	50	15516	62	151	110	18	17,5	4	0,767	• • •	1	1		
	15718	63	15518	78	166	125	18	19	4	0,885	• • •	1	1		
	15720	75	15520	92	186	145	18	19	4	1,154	• • •	1	1		
	15722	90	15522	110	201	160	18	21	8	1,404	• • •	1	1		
	15724	110	15524/26	133	221	180	18	22	8	1,461	• • •	1	1		
	15726	125	15527	167	251	210	18	26	8	2,096	• • •	1	1		
	15730	160	15530 15531 2515530	178	286	240	22	27	8	3,628	• •		1	1	
	15734	200	15534 15535 2515534	235	341	295	22	28	8	4,643	• •		1	1	
	15738	250	15538 15539 2515538	288	406	350	22	31	12	7,216	• •		1	1	
	15742	315	15543 2515542	340	460	400	22	34,5	12	9,500	• •		1	1	
	15744	355	15545 2515544	380	520	460	22	39	16	15,300	• •		1	1	
	15746	400	2515546	430	565	515	26	34	16	50,558	• •		1	1	
	15748	450	2515548	517	670	620	26	42	20	65,789	• •		1	1	
	15750	500	2515550	533	670	620	26	38	20	60,783	• •		1	1	
15752	560	2515552	618	785	725	30	50	20	95,096	• •		1	1		
15754	630	2515554	645	785	725	30	40	20	82,112	• •		1	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	36,5	18,5	41	64	50	0,479	• • •	1		
	15814	40	38	17,5	50	80	60	0,841	• • •	1		
	15816	50	41	17,5	61	86	70	0,821	• • •	1		
	15818	63	45	17,5	76	108	90	1,498	• • •	1		
	15820	75	47,5	17,5	90	128	104	1,998	• • •	1		

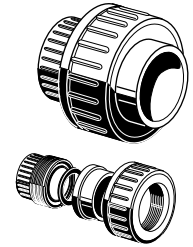
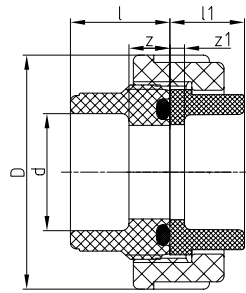
COUPLING SCREW JOINT

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
socket welding												
6 7,4 9 11	15838	20	26	12	20	5,5	46	0,036	• • •	10	300	
	15840	25	28	12	21	5	56	0,058	• • •	10	250	
	15842	32	32	12	23	5	66	0,089	• • •	5	200	
	15844	40	38	14	25,5	5	79	0,136	• • •	5	150	
	15846	50	45	16	28,5	5	87	0,170	• • •	5	100	
	15848	63	55,5	20	32,5	5	107	0,240	• • •	1	60	
	15850	75	50	20	36	6	50	0,451	• • •	1	1	

ELECTROFUSION SOCKET

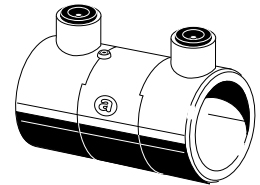
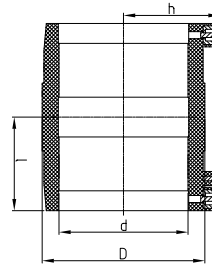
Systems: **aquatherm green pipe,**
aquatherm blue pipe, aquatherm lilac pipe

Material: Fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green

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



SDR	Art.-No.	Dimension d [mm]	l	l1	D	Weight [kg]	System	PU	Box unit	Price € m/pc
Electro-socket welding										
6 7,4 9 11 17,6	17208	20	35	36	31,5	0,049	• • •	1	500	
	17210	25	39	38,5	36,5	0,057	• • •	1	350	
	17212	32	40	42,5	45	0,077	• • •	1	300	
	17214	40	46	47	54	0,103	• • •	1	200	
	17216	50	51,5	52	65	0,142	• • •	1	130	
	17218	63	59	58	81,5	0,239	• • •	1	75	
	17220	75	65	64,5	96	0,347	• • •	1	45	
	17222	90	72,5	72	113,5	0,501	• • •	1	30	
	17224	110	80	82,5	139	0,821	• • •	1	22	
	17226	125	86	90	156	1,097	• • •	1	16	
	17230*	160	93	109,5	197	1,754	• • •	1	10	
	17234*	200	105	134	243	3,625	• • •	1		
17238*	250	125	170	315	7,142	• • •	1			

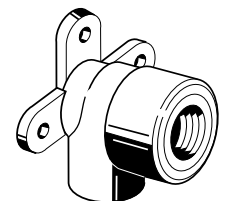
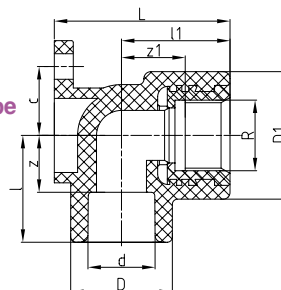
BACK PLATE ELBOW

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

Material: Fusiolen® PP-R, brass

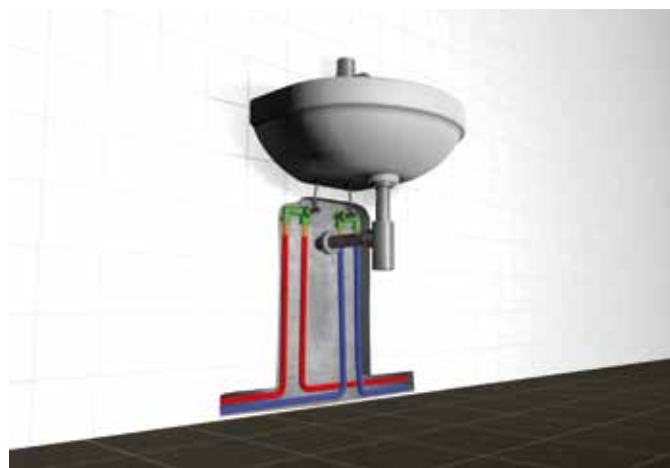
Standard: DIN 16962, DIN EN ISO 15874

Colour: green

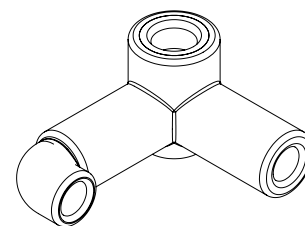


SDR	Art.-No.	d	R	l	z	D	l1	z1	D1	L	c	Weight [kg]	System	PU	Box unit	Price € m/pc
socket welding																
6 7,4 11	20106	16	1/2"	31	18	29,5	31,5	15,5	37	51	20	0,080	• • •	10	200	
	20108	20	1/2"	31	16,5	29,5	31,5	15,5	37	51	20	0,079	• • •	10	200	
	20110	20	3/4"	37	22,5	34	37	24	44	54	25	0,102	• • •	10	150	
	20112	25	3/4"	37	21	34	37	24	44	54	25	0,105	• • •	10	150	
	20113	25	1/2"	33,5	17,5	34	31	15,0	37	53	20	0,081	• • •	10	200	

NEW PRINCIPLE OF FLOW-THROUGH BACK PLATE ELBOW

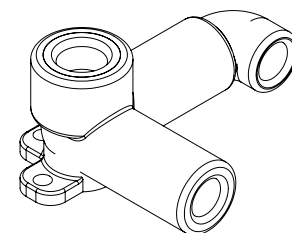


NEW aquatherm green pipe FLOW-THROUGH BACK PLATE ELBOW LEFT



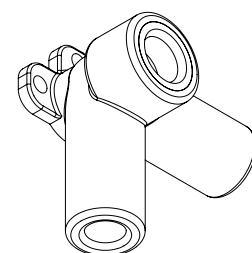
SDR	Art.-No.	d	R	l	z	D	l1	z1	D1	L	c	Weight [kg]	System	PU	Box unit	Price € m/pc
	20176	16	1/2"											1		
	20178	20	1/2"											1		

NEW aquatherm green pipe FLOW-THROUGH BACK PLATE ELBOW RIGHT



SDR	Art.-No.	d	R	l	z	D	l1	z1	D1	L	c	Weight [kg]	System	PU	Box unit	Price € m/pc
	20186	16	1/2"											1		
	20188	20	1/2"											1		

NEW aquatherm green pipe FLOW-THROUGH BACK PLATE ELBOW LEFT/RIGHT



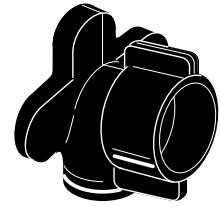
SDR	Art.-No.	d	R	l	z	D	l1	z1	D1	L	c	Weight [kg]	System	PU	Box unit	Price € m/pc
	20166	16	1/2"											1		
	20168	20	1/2"											1		

NOTICE:

For the production of the aquatherm green pipe flow-through back plate elbow Art.-No. 20176,20178 20186, 20188 the aquatherm green pipe elbows male/female 12306 (16mm) or 12308 (20mm) have to be used.

SOUND ISOLATION COVER

for **aquatherm green pipe** back plate elbow 1/2"



Art.- No.	Dimension	PU	Box unit	Price € m/St
20120	Thickness approx. 5 mm	1	60	

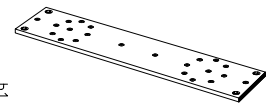
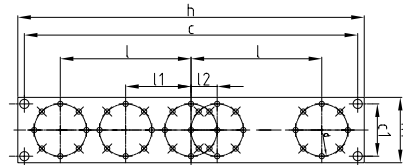
MOUNTING PLATE

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	50	20	255	40	265	50	0,221	• • •	1	1	

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

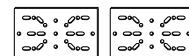
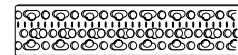
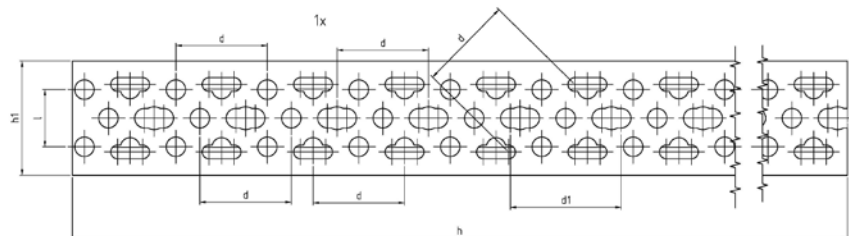
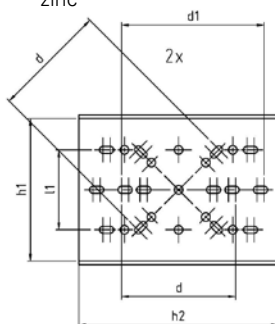
MOUNTING PLATE

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	28	560	50	70	0,546	• • •	2	4	

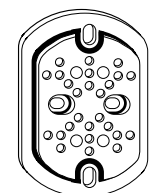
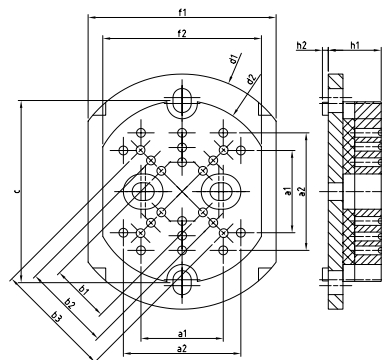
SOUND ISOLATION PLATE

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

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

Material: PP

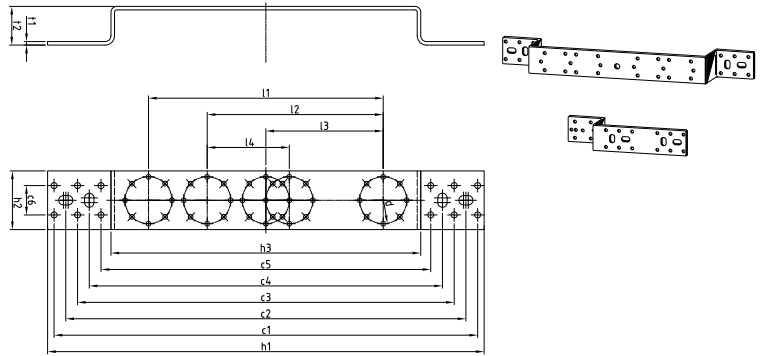
Colour: white



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	40	20	30	40	62	80	62	64	54	18	2	0,058	• • •	2		

MOUNTING RAIL (DOUBLE AND SINGLE)

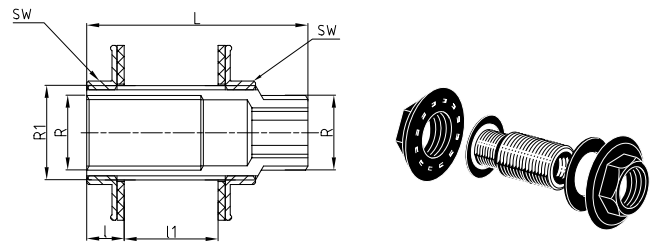
Systems: **aquatherm green pipe** **aquatherm blue pipe**,
aquatherm lilac pipe
Material: iron, galvanized
Colour: zinc



Art.-No.	d	l1	l2	l3	l4	c1	c2	c3	c4	c5	c6	h1	h2	h3	t1	t2	Weight [kg]	System	PU	Box unit	Price € m/pc
79095	40	200	150	100,0	70	361	341	321	301	281	25	372	50	264	3	33	0,412	• • •	2	4	
79096																	0,235	• • •	2	4	

DRY CONSTRUCTION WALL FITTING

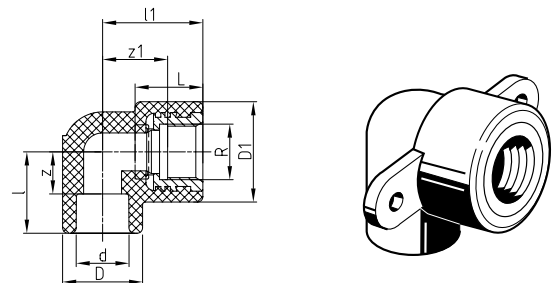
Systems: **aquatherm green pipe** **aquatherm blue pipe**,
aquatherm lilac pipe
Material: brass



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

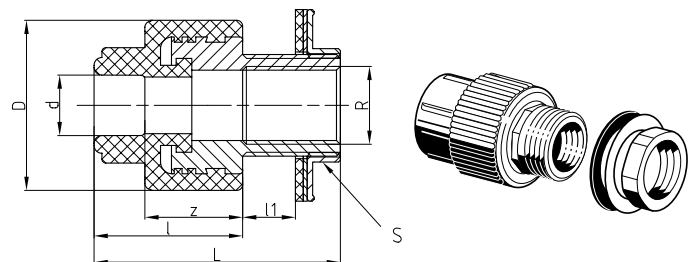


SDR	Art.-No.	d	R	l	z	D	l1	z1	D1	L	c	Weight [kg]	System	PU	Box unit	Price € m/pc
6	socket welding															
7,4	20156	16	1/2"	30	17	29,5	37	24	37	25	59	0,079	• • •	10	250	
11	20158	20	1/2"	30	15,5	29,5	37	24	37	25	59	0,079	• • •	10	200	

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



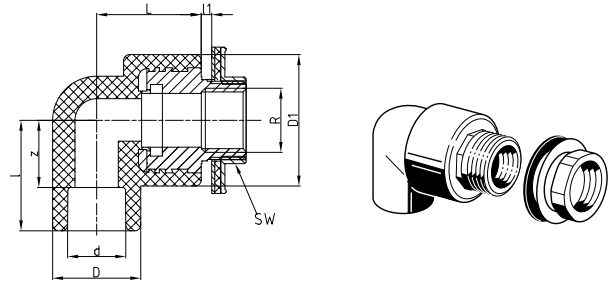
SDR	Art.-No.	d	R	l	z	D	l1	L	SW	Weight [kg]	System	PU	Box unit	Price € m/pc
6	socket welding													
7,4	20204	20	1/2"	40	25,5	43,5	13,5	65	29	0,204	• • •	10	1	
11														

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

TRANSITION ELBOW

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

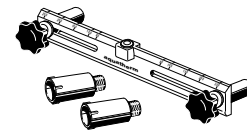


SDR	Art.-No.	d	R	l	z	D	l1	L	D1	SW	Weight [kg]	System	PU	Box unit	Price € m/pc
socket welding															
6	20206	16	1/2"	37	24	29,5	3,5	35	44	29	0,201	• • •	10		
7,4	20208	20	1/2"	37	22,5	29,5	3,5	35	44	29	0,154	• • •	10		
11	20209	25	1/2"	37	21	34	3,5	37	44	29	0,206	• • •	10		
e.g. for connection of a cistern or application with mounting plate (Art.-No. 60110-60115)															

ASSEMBLING JIG

as water level with 2 plugs 1/2"

Systems: **aquatherm green pipe** **aquatherm blue pipe**, **aquatherm lilac pipe**
Material: Fusiolen® PP-R
Colour: green

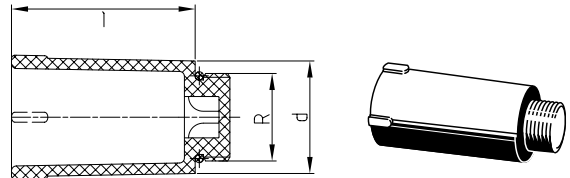


Art.-No.	a	b	h1	l1	l2	d	l	R	Weight [kg]	System	PU	Box unit	Price € m/pc
50700	280	36	8	80	250	28	55,5	1/2"	0,252	• • •	1		

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

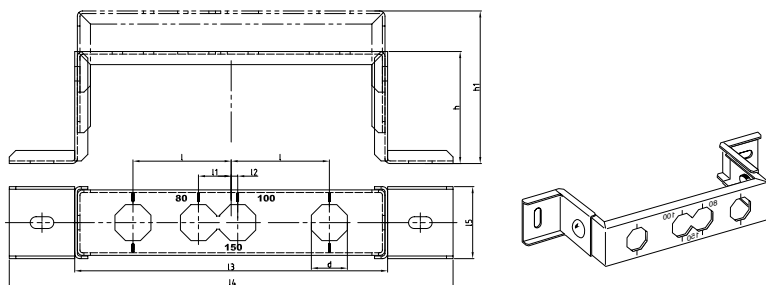


Art.-No.	d	R	l	Weight [kg]	System	PU	Box unit	Price € m/pc
50708	28	1/2"	55,5	0,022	• • •	10		
50710	34	3/4"	55,5	0,027	• • •	10		

MOUNTING UNIT

double

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



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

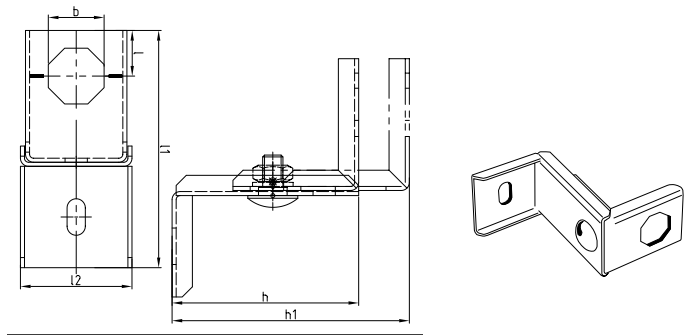
MOUNTING UNIT

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	27,5	118	23	55	92,5	122,5	0,278	• • •	1	1	

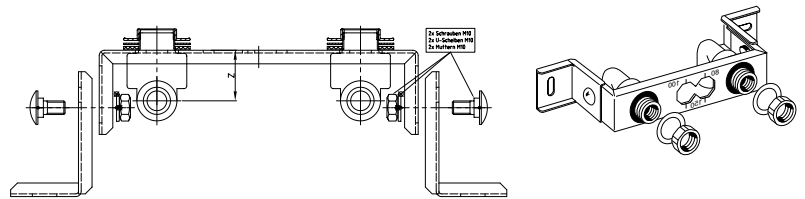
MOUNTING UNIT

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	b	l3	l4	l5	Weight [kg]	System	PU	Box unit	Price € m/pc
60150	27,5	75	25	5	92,5	122,5	239,0	339	55	0,942	• • •	1	1	1	

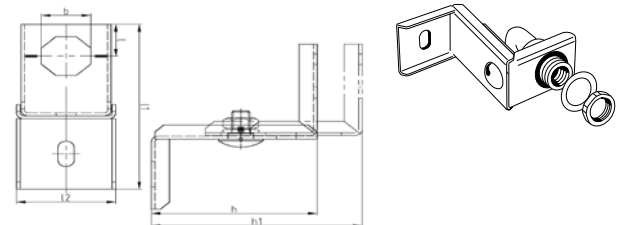
MOUNTING UNIT

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	27,5	22,5	118	55	92,5	122,5	0,434	• • •	1	1	

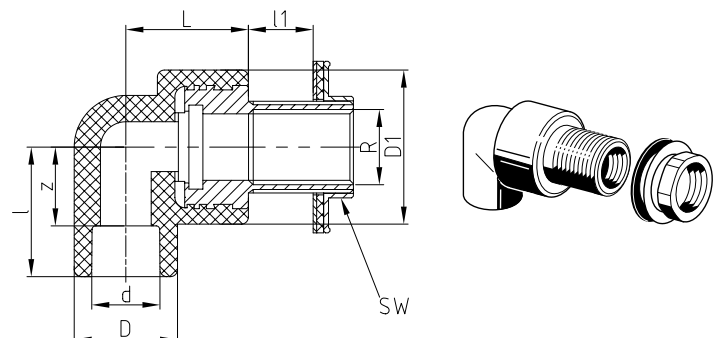
TRANSITION ELBOW

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	22,5	29,5	35	18,5	44	29	0,223	• • •	10		
7,4															
11															

with 30 mm thread, counternut, gasket and tension washer

TRANSITION PIECE WITH FEMALE THREAD

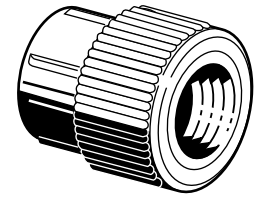
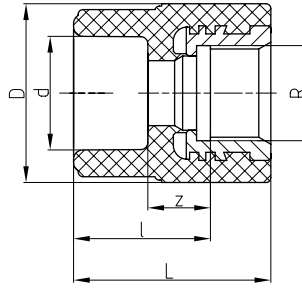
round

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	15	38,5	41	0,066	•	10	400	
	21008	20	1/2"	27,5	13	37,5	40,5	0,064	• • •	10	400	
	21010	20	3/4"	27,5	13	43,5	40,5	0,089	• • •	10	300	
	21011	25	1/2"	29	13	37,5	42	0,065	• • •	10	400	
	21012	25	3/4"	27,5	11,5	43,5	40,5	0,087	• • •	10	300	
	21013	32	3/4"	30,5	12,5	43,5	43,5	0,092	• • •	5	200	

TRANSITION PIECE WITH FEMALE THREAD

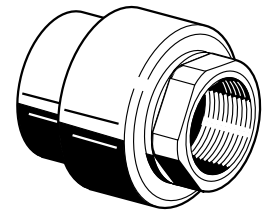
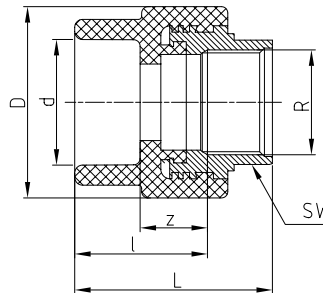
hex shaped threaded transition

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"	34,5	21,5	38,5	50,5	24	0,089	•	10	400	
	21108	20	1/2"	34,5	20	37,5	50,5	24	0,088	• • •	10	400	
	21110	20	3/4"	29	14,5	43,5	50	31	0,112	• • •	10	300	
	21111	25	1/2"	36	20	37,5	52	24	0,089	• • •	10	300	
	21112	25	3/4"	29	13	43,5	50	31	0,109	• • •	10	300	
	21113	32	3/4"	32	14	43,5	53	31	0,114	• • •	5	150	
	21114	32	1"	37,5	19,5	60	59,5	39	0,239	• • •	5	125	
	21115	40	1"	40	19,5	60	62	39	0,245	• • •	5	125	
	21116	40	1 1/4"	40	19,5	74	63	50	0,385	• • •	5	80	
	21117	50	1 1/4"	43	19,5	74	66	50	0,404	• • •	5	75	
	21118	50	1 1/2"	45	21,5	85,5	67	55	0,424	• • •	5	60	
	21119	63	1 1/2"	51,5	24	84	73,5	55	0,440	• • •	1	50	
	21120	63	2"	50	22,5	101	76	67	0,589	• • •	1	35	
21122	75	2"	51	21	100	77	67	0,613	• • •	1	25		

TRANSITION PIECE WITH MALE THREAD

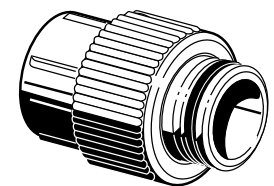
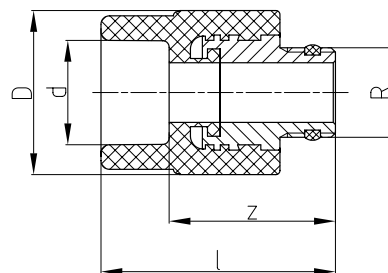
round, self sealing

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"	52,5	38	38,5	0,090	• • •	10		
	21261	25	1/2"	54	38	38,5	0,091	• • •	10		
	21262	25	3/4"	53,5	37,5	38,5	0,098	• • •	10		

TRANSITION PIECE WITH MALE THREAD

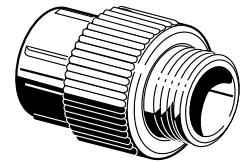
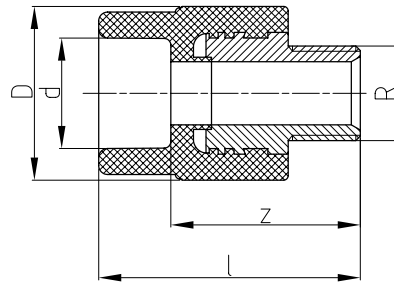
round

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"	56,5	43,5	38,5	0,097	•	10	400	
	21208	20	1/2"	56,5	42	38,5	0,097	• • •	10	400	
	21210	20	3/4"	57,5	43	38,5	0,109	• • •	10	300	
	21211	25	1/2"	58	42	38,5	0,098	• • •	10	300	
	21212	25	3/4"	57,5	41,5	38,5	0,107	• • •	10	350	
	21213	32	3/4"	59,5	41,5	43	0,115	• • •	5	250	

TRANSITION PIECE WITH MALE THREAD

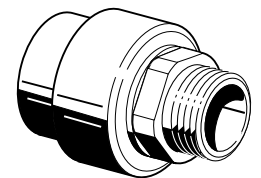
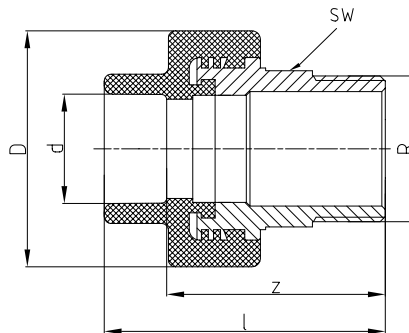
with hex shaped threaded transition

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

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



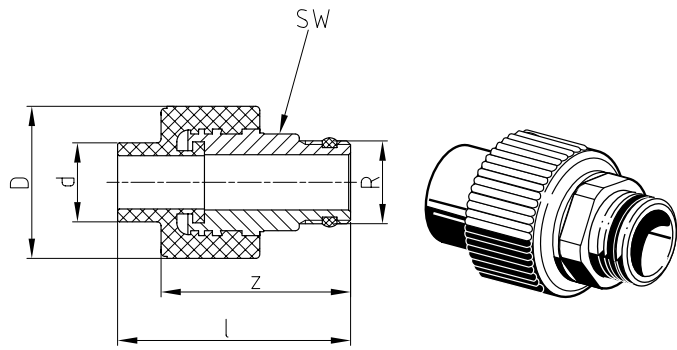
SDR	Art.-No.	d	R	l	z	D	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7,4 9 11	21306	16	1/2"	66,5	53,5	38,5	0,119	•	10	300	
	21308	20	1/2"	66,5	52	38,5	0,104	• • •	10	300	
	21310	20	3/4"	67,5	53	38,5	0,129	• • •	10	300	
	21312	25	3/4"	67,5	51,5	38,5	0,103	• • •	10	300	
	21314	32	1"	78,5	60,5	53	0,216	• • •	5	125	
	21316	32	1 1/4"	81	63	68	0,320	• • •	5	100	
	21317	40	1"	81	60,5	52	0,222	• • •	5	100	
	21318	40	1 1/4"	84,5	64	68	0,326	• • •	5	80	
	21319	50	1 1/4"	85,5	62	68	0,352	• • •	5	75	
	21320	50	1 1/2"	88,5	65	74	0,429	• • •	5	60	
	21321	63	1 1/2"	94,5	67	72,5	0,466	• • •	1	40	
	21322	63	2"	102,5	75	84	0,679	• • •	1	40	
	21323	75	2"	102	72	84	0,729	• • •	1	25	
	21324	75	2 1/2"	105	75	100	0,972	• • •	1	25	
	21325	90	3"	121	88	120	1,315	• • •	1	20	
21327	110	4"	148	111	147	2,699	• • •	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

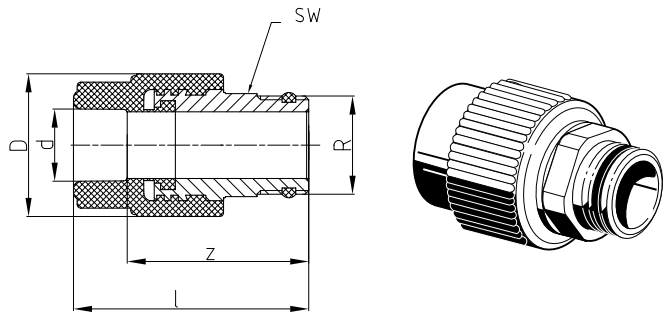


SDR	Art.-No.	d	R	l	z	D	Weight [kg]	System	PU	Box unit	Price € m/pc
6											
7,4	21355	20	1/2"	59	48	38,5	0,107	• • •	10		
11											

TRANSITION PIECE WITH MALE THREAD

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

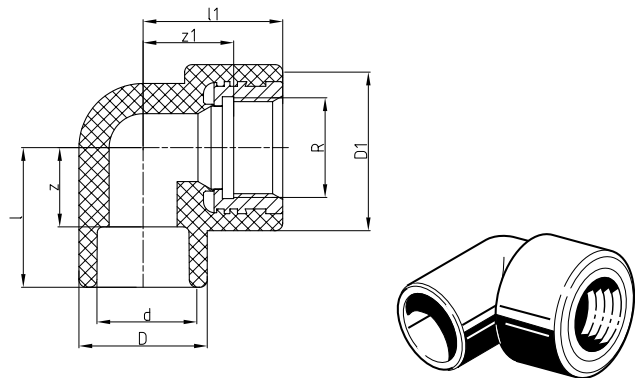
Systems: **aquatherm green pipe**, **aquatherm blue pipe**,
aquatherm lilac pipe
Material: Fusiolen® PP-R, brass
Standard: DIN 16962, DIN EN ISO 15874
Colour: green



SDR	Art.-No.	d	R	l	z	D	Weight [kg]	System	PU	Box unit	Price € m/pc
6											
7,4	21356	16	1/2"	63,5	50,5	38,5	0,112	• • •	10		
11	21358	20	1/2"	63,5	49	38,5	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

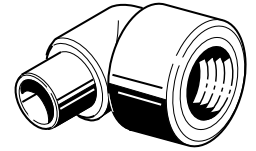
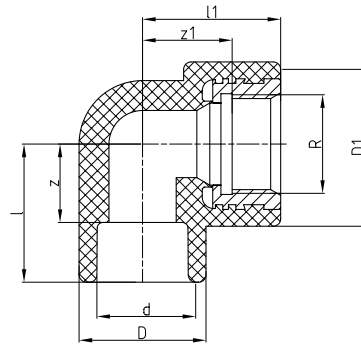


SDR	Art.-No.	d	R	l	z	D	l1	z1	D1	Weight [kg]	System	PU	Box unit	Price € m/pc
6	23006	16	1/2"	31,5	18,5	29,5	37	24	37	0,072	• • •	10	300	
7,4	23008	20	3/4"	37	22,5	34	37	24	44	0,102	• • •	10	250	
9	23010	20	1/2"	31,5	17	29,5	31,5	18,5	37	0,074	• • •	10	300	
11	23012	25	3/4"	37	21	34	37	24	44	0,100	• • •	10	200	
	23014	25	1/2"	34	18	34	37	24	37,0	0,074	• • •	10	250	
	23016	32	3/4"	27,5	9,5	43	51	38	44,0	0,104	• • •	5	150	
	23018	32	1"	34	16	43	66,5	44,5	60,5	0,251	• • •	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

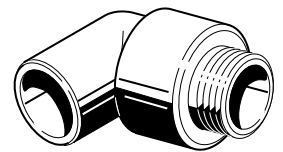
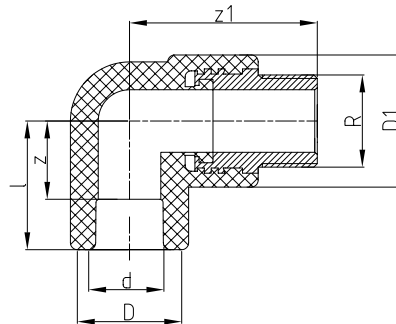
Systems: **aquatherm green pipe**, **aquatherm blue pipe**,
aquatherm lilac pipe
Material: Fusiolen® PP-R, brass
Standard: DIN 16962, DIN EN ISO 15874
Colour: green



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"	33,5	18,5	29,5	37	24	37	0,076	• • •	10	300	
11														

TRANSITION ELBOW WITH MALE THREAD

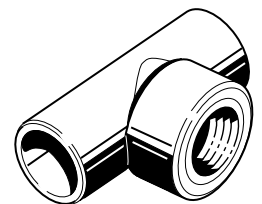
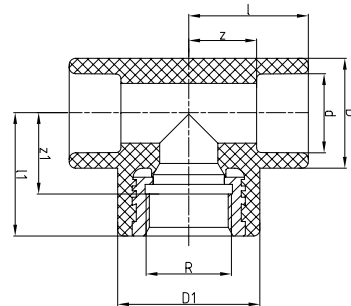
Systems: **aquatherm green pipe**, **aquatherm blue pipe**,
aquatherm lilac pipe
Material: Fusiolen® PP-R, brass
Standard: DIN 16962, DIN EN ISO 15874
Colour: green



SDR	Art.-No.	d	R	l	z	D	z1	D1	Weight [kg]	System	PU	Box unit	Price € m/pc
6	23504	16	1/2"	31,5	18,5	29,5	53	37	0,109	• • •	10	400	
7,4	23506	20	1/2"	31,5	17	29,5	53	37	0,108	• • •	10	300	
9	23508	20	3/4"	37	22,5	34	54	38	0,128	• • •	10	200	
11	23510	25	3/4"	37	21	34	54	38	0,105	• • •	10	250	
	23512	32	3/4"	27,5	9,5	43	68	38	0,112	• • •	5	150	
	23514	32	1"	31	13	43	85,5	52	0,233	• • •	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
6	25004	16	1/2"	31,5	18,5	29,5	37	24	37	0,089	• • •	10	250	
7,4	25006	20	1/2"	31,5	17	29,5	37	24	37	0,086	• • •	10	250	
9	25008	20	3/4"	37	22,5	34	38	25	44	0,121	• • •	10	170	
11	25010	25	1/2"	34	18	34	38	25	37	0,091	• • •	10	200	
	25012	25	3/4"	37	21	34	38	25	44	0,109	• • •	10	150	
	25013	32	1/2"	35	17	37	37	24	37	0,103	• • •	5		
	25014	32	3/4"	27,5	9,5	43	51	38	44	0,111	• • •	5	100	
	25016	32	1"	31	13,5	43	67	49	60	0,254	• • •	5	80	
	25018	40	1/2"	42,5	22	52	39	26	37	0,180	• • •	5		
	25020	40	1"	41,5	21	52	56	34	60	0,329	• • •	5		
	25022	50	1"	49,5	26	68	63,5	43,5	68	0,385	• • •	5	40	

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!!

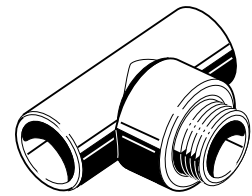
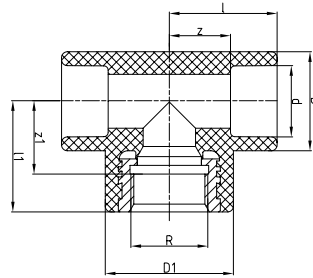
THREADED BRANCH TEE WITH MALE THREAD

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 7,4 11	25506	20	1/2"	31,5	17,00	29,50	53,00	37,00	0,102	• • •	10	200	

TRANSITION COUPLING WITH MALE THREAD

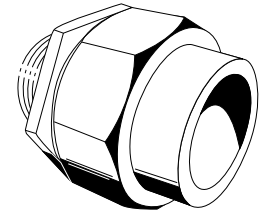
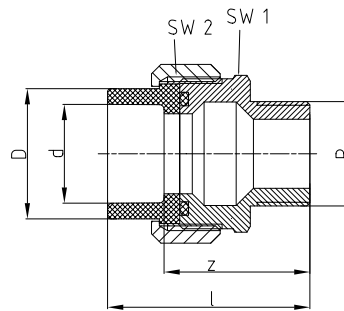
with union nut and welding socket

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"	54,5	40	27,5	36	36	0,145	• • •	1		
	26610	25	3/4"	59,5	43,5	36	46	46	0,243	• • •	1		
	26612	32	1"	64,5	46,5	41,5	52	50	0,336	• • •	1		
	26614	40	1 1/4"	70	49,5	53	64	65	0,632	• • •	1		
	26616	50	1 1/2"	86,5	63	59	72	57	0,624	• • •	1		
	26618	63	2"	95,5	68	74	89	66	1,212	• • •	1		

TRANSITION COUPLING WITH FEMALE THREAD

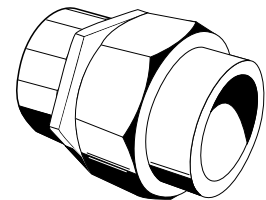
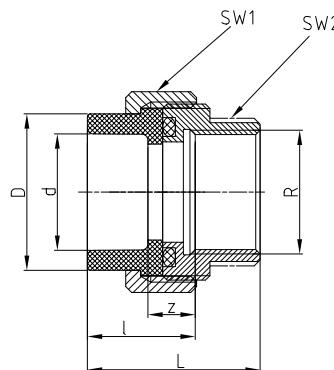
with union nut and welding socket

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	15,5	27,5	45	36	25	0,083	• • •	1		
	26640	25	3/4"	32	16	36	49	45	32	0,193	• • •	1		
	26642	32	1"	37	19	41,5	54	52	40	0,291	• • •	1		
	26644	40	1 1/4"	36,5	16	53	58,5	64	47	0,423	• • •	1		
	26646	50	1 1/2"	45,5	22	59	64,5	72	57	0,610	• • •	1		
	26648	63	2"	50,5	23	74	74,5	89	68	0,924	• • •	1		

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

LOOSE NUT ADAPTER

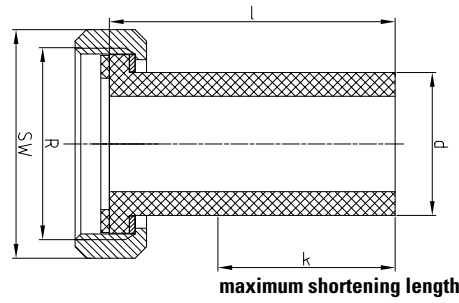
length: 100 mm, with gasket

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

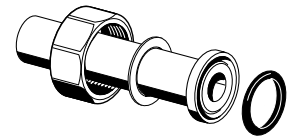
Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



maximum shortening length



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	65	36	0,079	• • •	1	150	
	26710	25	1 1/4"	100	62	46	0,104	• • •	1	125	
	26712	32	1 1/2"	100	58	52	0,175	• • •	1	100	
	26714	40	2"	100	53	64	0,258	• • •	1	75	
	26716	50	2 1/4"	100	49	72	0,344	• • •	1	60	
	26718	63	2 3/4"	100	43	89	0,583	• • •	1	40	
	26720	75	3 1/2"	100	34	110	0,918	• • •	1	30	
	26722	90	4"	100	26	120	1,238	• • •	1	20	

WATER METER NUT ADAPTER

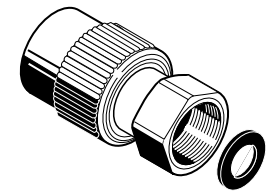
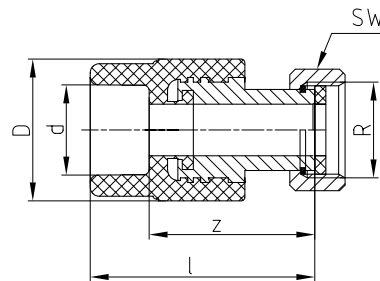
with gasket

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 7,4 9 11	26808	20	3/4"	59,5	45	38,5	30	0,153	• • •	1		
	26810	25	3/4"	61	45	38,5	30	0,155	• • •	1		
	26812	32	3/4"	62	44	43,5	30	0,162	• • •	1		

NUT ADAPTER

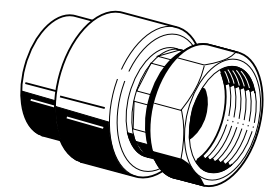
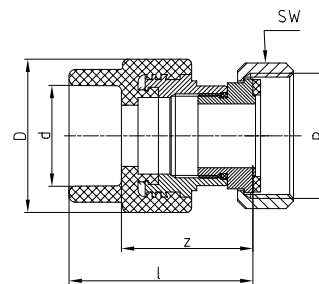
ISO-standard

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"	58,5	36	38,5	36	0,182	• • •	10		
	27011	25	1"	60	44	38,5	36	0,186	• • •	10		
	27012	25	1 1/4"	60	44	43,5	46	0,274	• • •	10		
	27013	32	1 1/4"	63	45	43,5	46	0,279	• • •	5		
	27014	32	1 1/2"	69,5	51,5	60	52	0,446	• • •	5		
	27015	40	1 1/2"	72	51,5	60	52	0,421	• • •	5		
	27016	40	2"	74	53,5	74	64	0,719	• • •	5		
	27017	50	2"	77	53,5	74	64	0,736	• • •	5		
	27018	50	2 1/4"	77	54,5	84	72	0,831	• • •	5		
	27019	63	2 1/4"	83,5	56	84	72	0,889	• • •	1		
	27020	63	2 3/4"	84	56,5	101	89	1,306	• • •	1		
	27021	75	2 3/4"	85	55	100	89	1,275	• • •	1		
	27022	75	3 1/2"	91	61	100	110	1,818	• • •	1		

COUNTERPART

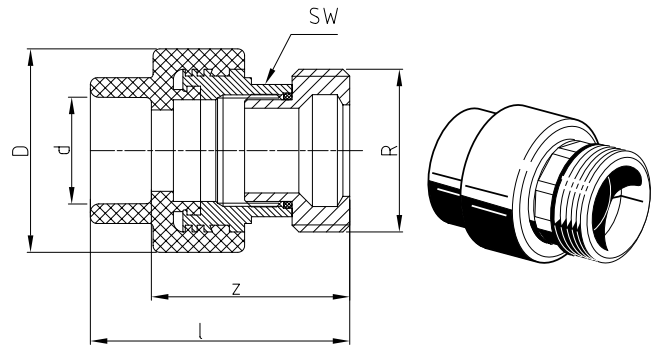
with welding socket and male thread for ISO-standard adapter

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"	61,5	47	38,5	24	0,151	• • •	10	300	
	27311	25	1"	63	47	38,5	24	0,153	• • •	10	300	
	27312	25	1 1/4"	63	47	43,5	31	0,221	• • •	10	250	
	27313	32	1 1/4"	66	48	43,5	31	0,226	• • •	5	175	
	27314	32	1 1/2"	76,5	58,5	60	39	0,408	• • •	5	125	
	27315	40	1 1/2"	79	58,5	60	39	0,414	• • •	5	125	
	27316	40	2"	81	60,5	74	50	0,650	• • •	5	70	
	27317	50	2"	84	60,5	74	50	0,634	• • •	5	70	
	27318	50	2 1/4"	83	59,5	84	55	0,750	• • •	5	50	
	27319	63	2 1/4"	89,5	62	84	55	0,728	• • •	1	45	
	27320	63	2 3/4"	94	66,5	101	67	1,093	• • •	1	30	
	27321	75	2 3/4"	95	65	100	67	1,117	• • •	1	30	
27322	75	3 1/2"	100	70	100	67	1,436	• • •	1	30		

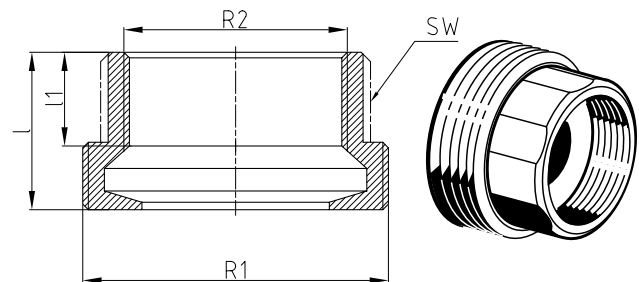
BRASS COUNTERPART

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

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

Material: Fusiolen® PP-R, brass

Colour: green



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	15	25	0,063	• • •	10	400	
	27512	1 1/4"	3/4"	28	18	32	0,119	• • •	10	200	
	27514	1 1/2"	1"	31	17	40	0,175	• • •	5	125	
	27516	2"	1 1/4"	33	22	47	0,263	• • •	5	75	
	27518	2 1/4"	1 1/2"	36	19	57	0,333	• • •	5	60	
	27520	2 3/4"	2"	42	24	68	0,517	• • •	1	35	
	27522	3 1/2"	2 1/2"	46	27	84	0,801	• • •	1	25	
	27524	4"	3"	46	27	97	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!!

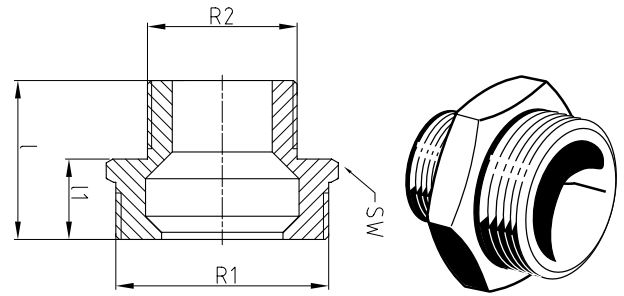
BRASS COUNTERPART

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

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

Material: brass

Colour: green



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"	34,5	18,5	36	0,109	• • •	10	250	
	27712	1 1/4"	3/4"	38,5	21	46	0,188	• • •	10	140	
	27714	1 1/2"	1"	41,5	23	50	0,211	• • •	5	100	
	27716	2"	1 1/4"	44,5	23	65	3,630	• • •	5	60	
	27718	2 1/4"	1 1/2"	58	36	57	0,472	• • •	5	50	
	27720	2 3/4"	2"	63	38	66	0,803	• • •	1	25	
	27722	3 1/2"	2 1/2"	70	42	82	1,189	• • •	1	15	
	27724	4"	3"	74	42	97	1,398	• • •	1	10	

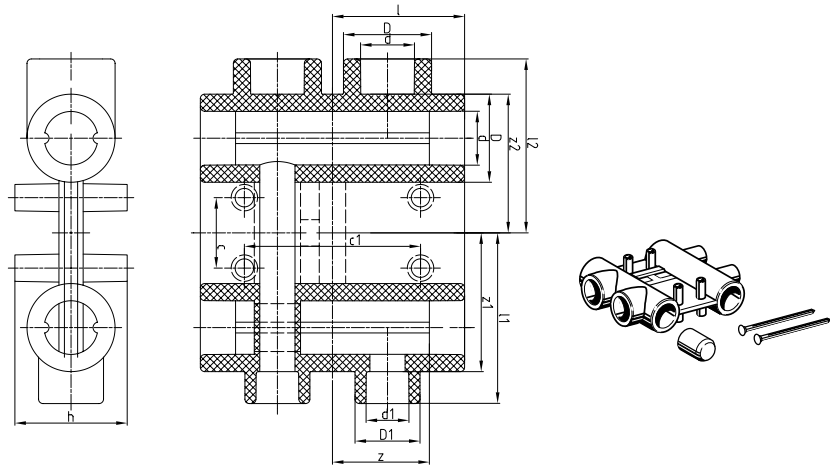
DISTRIBUTION BLOCK PLUMBING

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	44	40	20	77,5	63	29,5	79	63	32	80	100	36,0	51	0,273	• • •	1		

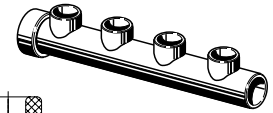
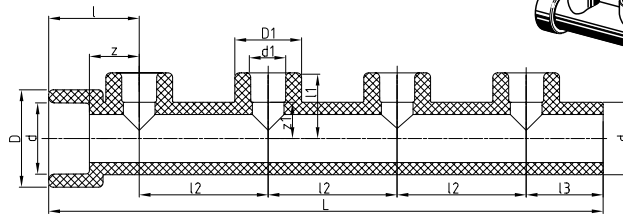
FOUR-PORT MANIFOLD

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	30602	32	16	40	22	43	29	16	29,5	57	36,0	245	0,141	• • •	1		
9	30604	32	20	40	22	43	29	14,5	29,5	57	36,0	245	0,134	• • •	1		
11																	

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

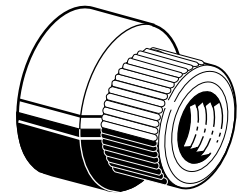
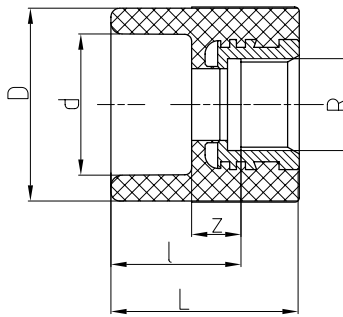
MANIFOLD END PIECE WITH FEMALE THREAD*

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	30804	32	1/2"	30	12	43	43	0,077	• • •	1		
11												

* 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!!

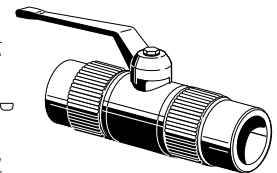
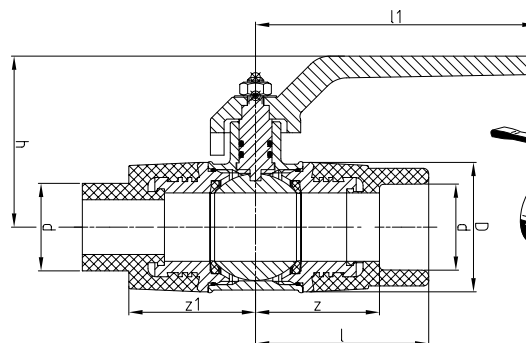
BALL VALVE FOR MANIFOLD

female/male

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

Material: Fusiolen® PP-R, brass

Colour: green

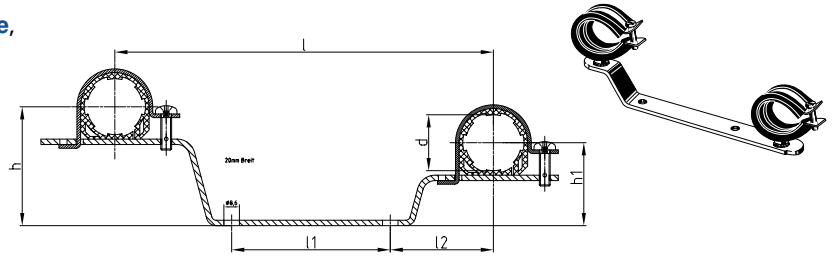


SDR	Art.-No.	d	l	z	D	z1	h	l1	Weight [kg]	System	PU	Box unit	Price € m/pc
6													
7,4													
9	78000	32	63	45	47,5	46,5	78	108	0,575	• • •	2	4	
11													

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	80	57	66	46	0,226	• • •	2		

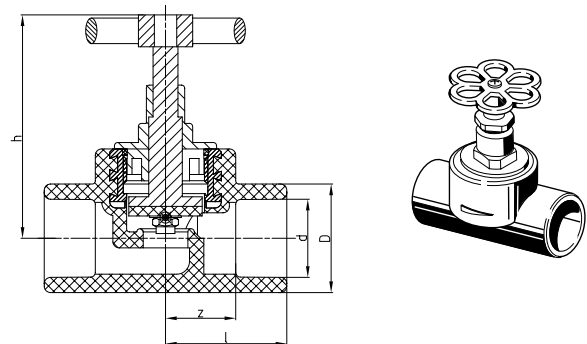
GLOBE VALVE

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	20,5	29,5	70	0,165	• • •	1	100	
7,4	40810	25	38	22	34	70	0,172	• • •	1	100	
9	40812	32	49	31	43	86,5	0,314	• • •	1	60	
11	40814	40	60	39,5	52	100,5	0,585	• • •	1	35	

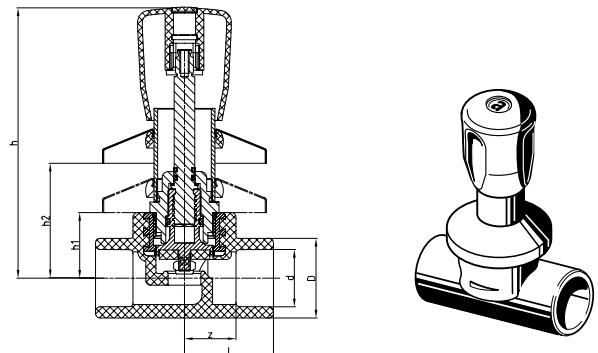
CONCEALED VALVE

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	20,5	29,5	116	28	59	0,319	• • •	1	40	
7,4	40860	25	38	22	34	116	28	59	0,330	• • •	1	40	
9	40862	32	49	31	43	121	34	59	0,416	• • •	1	30	

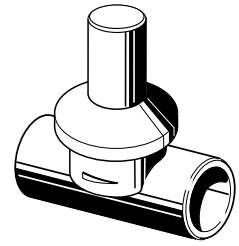
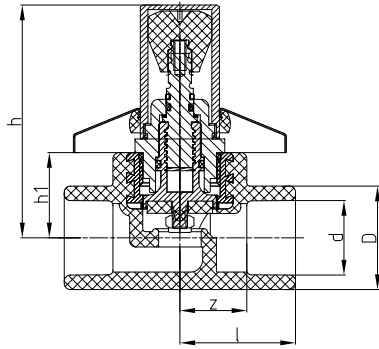
CONCEALED VALVE

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												
7,4	40868	20	35	20,5	29,5	71,5	28	0,258	• • •	1	50	
9	40870	25	38	22	34	71,5	28	0,288	• • •	1	50	
11	40872	32	49	31	43	82,5	34	0,376	• • •	1	30	

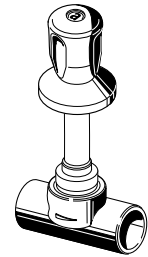
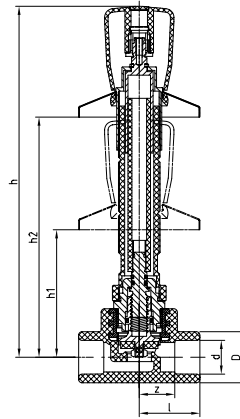
CONCEALED VALVE

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													
7,4	40878	20	35	20,5	29,5	213	59	147	0,357	• • •	1	40	
9	40880	25	38	22	34	213	59	147	0,369	• • •	1	40	
11	40882	32	49	31	43	219	65	153	0,455	• • •	1	20	

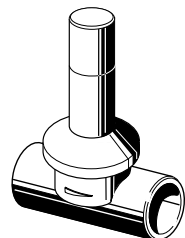
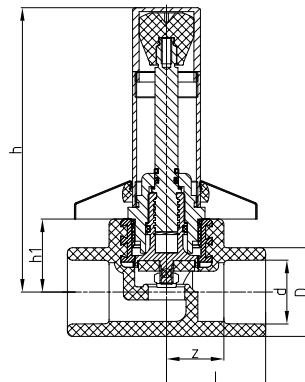
CONCEALED VALVE

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												
7,4	40888	20	35	20,5	29,5	109	28	0,342	• • •	1	50	
9	40890	25	38	22	34	109	28	0,350	• • •	1	50	
11	40892	32	49	31	43	115	34	0,432	• • •	1	40	

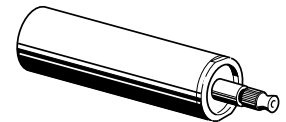
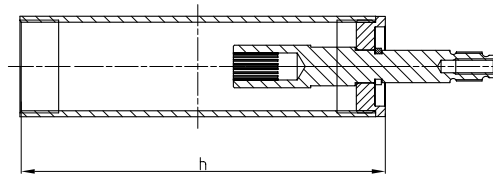
EXTENSION FOR CONCEALED VALVE

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

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

Material: brass

Colour: chrom



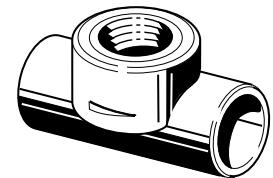
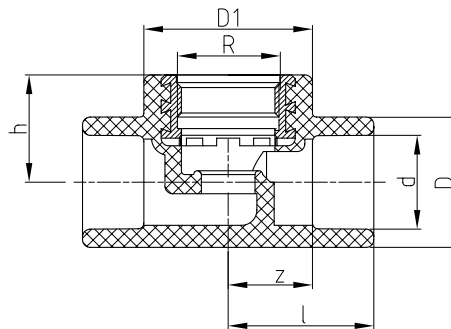
Art.-No.	h	Weight [kg]	System	PU	Box unit	Price € m/pc
40900	92	0,148	• • •	1	300	
40902	132	0,209	• • •	1	200	

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	20	29,5	28	44	0,093	• • •	1	150	
	40910	25	3/4"	38	22	34	28	44	0,101	• • •	1	150	
	40912	32	1"	49	31	43	34	52	0,146	• • •	1	100	
	40914	40	1 1/4"	60	39,5	52	41		0,313	• • •	1	50	

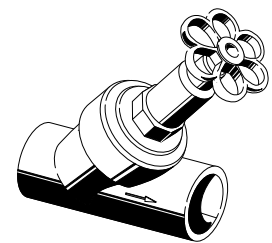
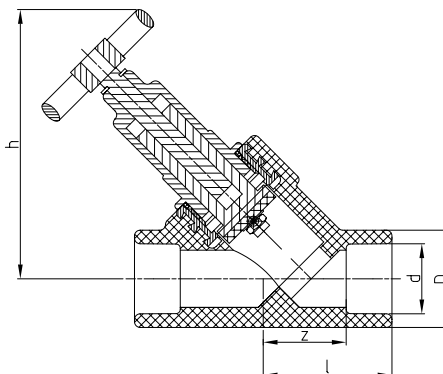
INCLINED VALVE

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	30,5	34	95,5	0,294	• • •	1	100	
	41110	25	45	29	34	95,5	0,283	• • •	1	80	
	41112	32	56	38	43	111,5	0,421	• • •	1	50	
	41114	40	65	44,5	52	135	0,834	• • •	1	25	

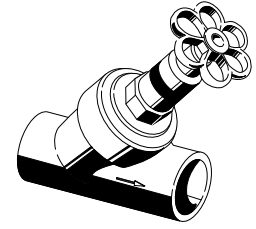
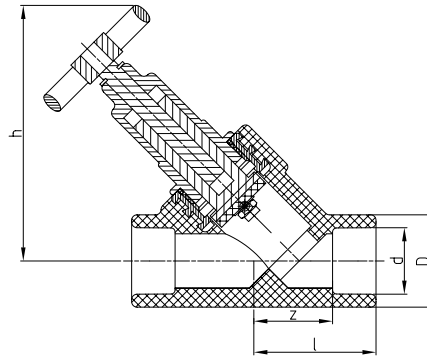
NON-RETURN VALVE

without drain

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

Material: Fusiolen® PP-R, brass

Colour: green



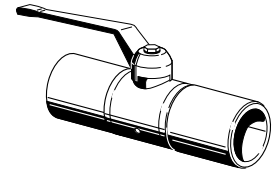
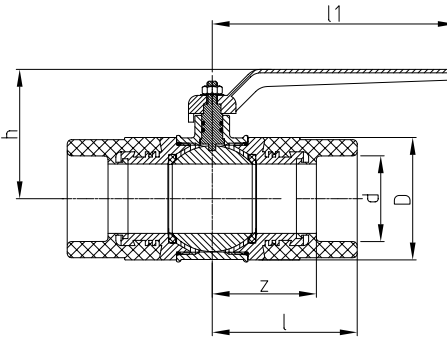
SDR	Art.-No.	d	l	z	D	h	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7,4 9 11	41208	20	45	30,5	34	95,5	0,297	• • •	1	80	
	41210	25	45	29	34	95,5	0,292	• • •	1	80	
	41212	32	56	38	43	111,5	0,432	• • •	1	50	
	41214	40	65	44,5	52	135	0,840	• • •	1	25	

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	40,5	32	66	85	0,280	• • •	1	100	
	41310	25	55	39	41	73	85	0,375	• • •	1	100	
	41312	32	63,5	45,5	47	82	108	0,592	• • •	1	60	
	41314	40	72,5	52	58	93	108	1,034	• • •	1	40	
	41316	50	83,5	60	70,5	114	140	1,339	• • •	1	25	
	41318	63	102,5	75	87	132	140	2,552	• • •	1	15	

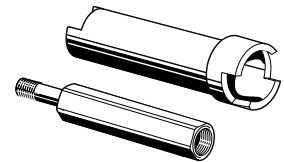
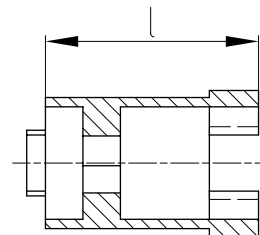
EXTENSION FOR AQUATHERM GREEN PIPE-BALL VALVE

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	41308 / 41310	0,120	• • •	1		
41382	35	41312 / 41314	0,120	• • •	1		
41386	46	41316 / 41318	0,273	• • •	1		

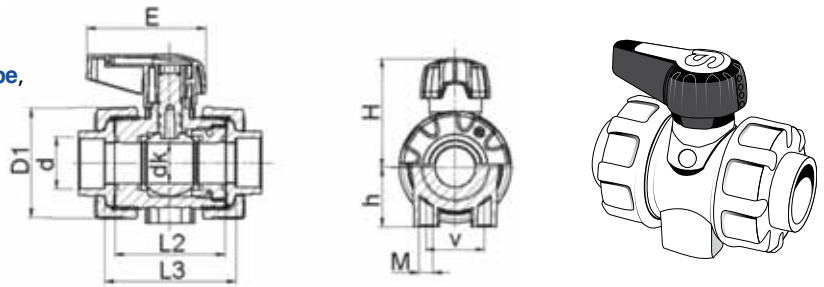
PP-BALL VALVE

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	50,3	66	27	48	56,5	68	15	0,118	• • •	1	200	
	41490	25	18,5	59	81	30	56,5	65,5	78,5	20	0,188	• • •	1	120	
	41492	32	23,9	70,3	81,5	40	64,5	72	84,5	25	0,277	• • •	1	80	
	41494	40	31,0	85,9	91,5	46	83,3	85	100	32	0,434	• • •	1	55	
	41496	50	38,5	99,5	91,5	55	89,4	89	107	40	0,549	• • •	1	45	
	41498	63	50,0	125,5	141,5	70	115	101	118	50	0,922	• • •	1	25	

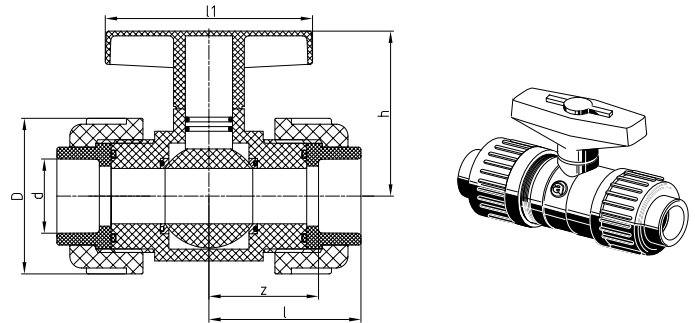
PP-BALL VALVE

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 7,4 9 11	41400	75	138	108	129	137	186		65	2,615	• • •	1	10	

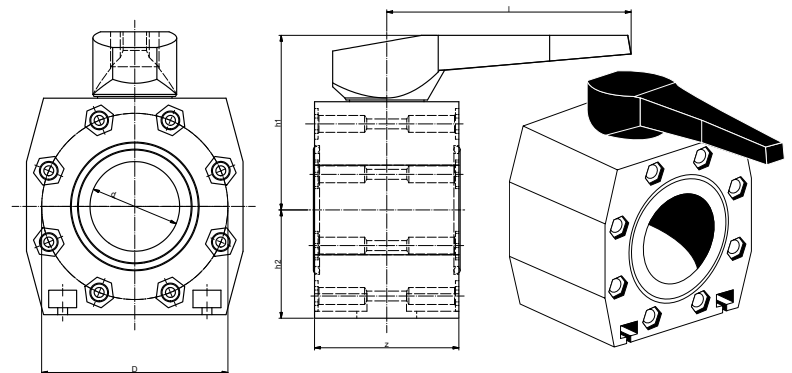
PP-BALL VALVE

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 7,4 9 11	41601	75									• • •	1		
	41602	90	77	210	124	160	150	93	65	4,171	• • •	1		
	41604	110	94	260	145	180	165	103	80	5,612	• • •	1		
	41607	160	135	310	205	240	210	136,5	125	5,615	• • •	1		

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 M16x60mm for Art.-No. 41602/41604

Hexagon screw M16x80mm for Art.-No. 41607

corresponding flat washer M16

NOTICE: These are not included in delivery.

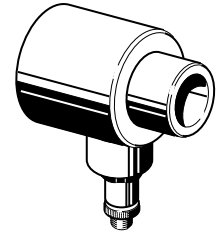
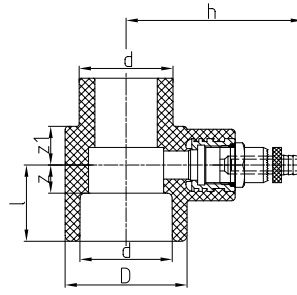
DRAINING BRANCH

to weld in aquatherm green pipe valves

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

Material: Fusiolen® PP-R, brass

Colour: green

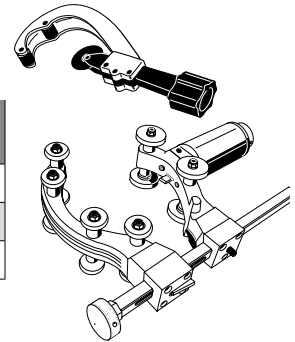


SDR	Art.-No.	d	z	l	D	z1	h	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7,4 9 11	41408	20	11,5	26	34	16,5	67	0,098	• • •	1	200	
	41410	25	10	26	34	16,5	67	0,096	• • •	1	200	
	41412	32	14	32	43	17	70,5	0,118	• • •	1	150	
	41414	40	12	32,5	52	16,5	76,5	0,140	• • •	1	100	
	41416	50	15,5	39	68	17	83,8	0,202	• • •	1	40	
	41418	63	16,5	44	84	16,5	93	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.

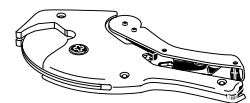
PIPE CUTTER

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

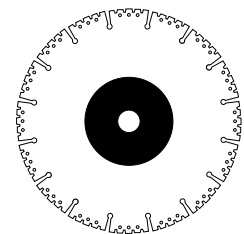
Art.-No.	for pipe dimensions	PU	Box unit	Price € m/pc
50108	ø 160 - 355 mm	1		

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	Bohrung	PU	Box unit	Price € m/pc
50107	ø 125 mm	22,2 mm	1		
50109	ø 230 mm	22,2 mm	1		

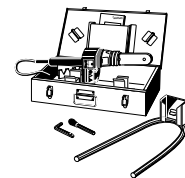
Application: for each angle grinder
Design: diamant galvanized cutting disc



MANUAL WELDING DEVICE (500 W)

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

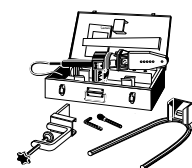
for one tool
with base and case for tools



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



MANUAL WELDING DEVICE (1400 W)

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

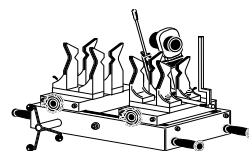
with base and case for tools



WELDING MACHINE (1400 W)

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

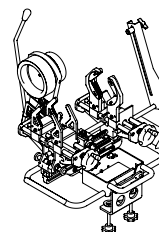
including welding tools 50-125 mm, roll stand and wooden transport case



WELDING MACHINE (1400 W) LIGHT

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

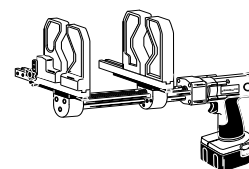
including manual welding device (1400 W) and wooden transport case



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. 50149

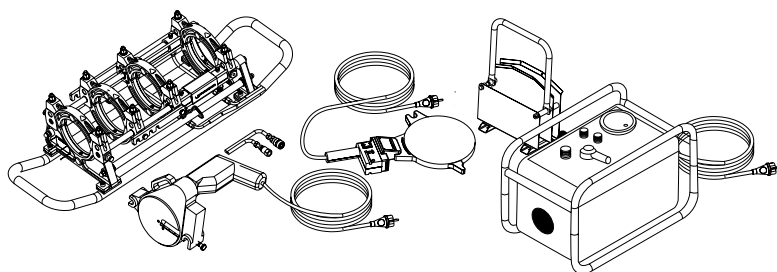
Art.-No.	Dimension	PU	Box unit	Price € m/pc
50151		1		

BUTT WELDING MACHINES ROTHENBERGER

Art.-No.	for pipe dimensions	PU	Box unit	Price € m/pc
50163	ø 160 - 250 mm	1		
50167	ø 160 - 315 mm	1		
50178	ø 160 - 355 mm	1		

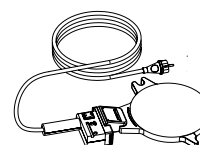
including wooden transport box.

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



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		

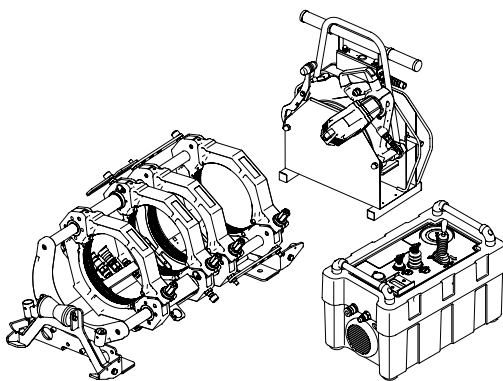


BUTT WELDING MACHINES RITMO

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.

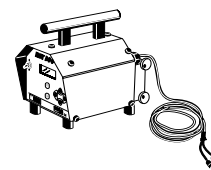
The butt welding machine can be obtained directly from Ritmo (www.ritmo.it)

**ELECTROFUSION DEVICE**

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

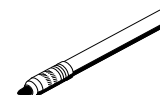
For processing with electro-fusion-sockets Art.-No. 17234-17238.

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

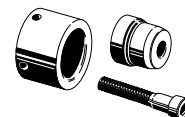
Art.-No.	Dimension	PU	Box unit	Price € m/pc
50193	Box with 100 towels	1		

for electrofusion sockets



WELDING TOOLS

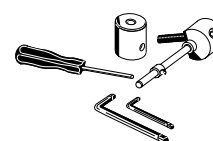
Art.-No.	Dimension	PU	Box unit	Price € m/pc
50206	16 mm	1		
50208	20 mm	1		
50210	25 mm	1		
50212	32 mm	1		
50214	40 mm	1		
50216	50 mm	1		
50218	63 mm	1		
50220	75 mm	1		
50222	90 mm	1		
50224	110 mm	1		
50226	125 mm	1		



REPAIR SET

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

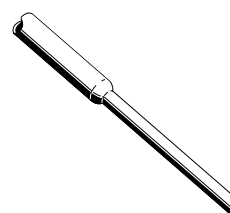
to close holes of up to 10 mm in the pipe (pipe repair stick Art.-No. 60600)



PIPE REPAIR STICK

for pipe repairs

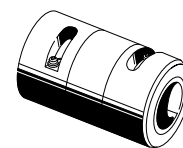
Art.-No.	Dimension	PU	Box unit	Price € m/pc
60600	7/11 mm	10		



PEELING TOOLS FOR SOCKET WELDING

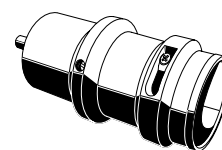
for aquatherm blue pipe OT, aquatherm blue pipe OT UV, aquatherm green pipe UV und aquatherm green pipe- stabi composite pipes

Art.-No.	Dimension	PU	Box unit	Price € m/pc
50506	16 & 20 mm	1		
50508	20 & 25 mm	1		
50512	32 & 40 mm	1		
50516	50 & 63 mm	1		
50518	63 & 75 mm	1		
50520	75 & 90 mm	1		
50526	110 & 125 mm	1		

**PEELING TOOLS FOR ELECTROFUSION SOCKET WELDING (Art.-No.17208-17238)**

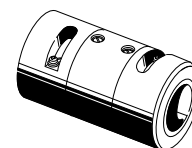
(do not use with aquatherm green pipe- stabi composite- and aquatherm blue pipe OT pipes)

Art.-No.	Dimension	PU	Box unit	Price € m/pc
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		
50574	110 mm	1		
50576	125 mm	1		
50580	160 mm	1		
50592	200 + 250 mm	1		

**TWIN PEELING TOOLS FOR WELDING AND ELECTRICWELDING SOCKETS**

For aquatherm blue pipe OT, aquatherm blue pipe OT UV, aquatherm green pipe UV und aquatherm green pipe- stabi composite pipes

Art.-No.	Dimension	PU	Box unit	Price € m/pc
50507	20 & 25 mm	1		
50511	32 & 40 mm	1		
50515	50 & 63 mm	1		
50519	75 & 90 mm	1		
50525	110 & 125 mm	1		

**SPARE BLADE**

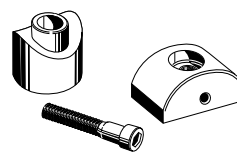
for peeling tools Art.-No.:15156-15253 u. 28214-28274

Art.-No.	Dimension	PU	Box unit	Price € m/pc
50440		1		

SADDLE WELDING TOOLS

for welding saddles Art.-No. 15156-15272 u. 28214-28350

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		



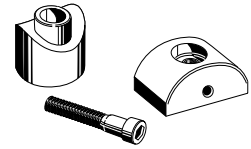
aquatherm green pipe

aquatherm blue pipe

aquatherm lilac pipe

SADDLE WELDING TOOLS

for welding saddles Art.-No. 15156-15272 u. 28214-28350



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

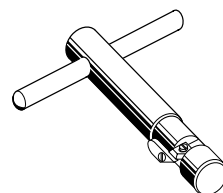
aquatherm blue pipe

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		

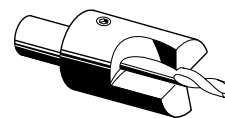
for removal of the aluminium swarfs at the drill hole only with stabi-composite pipes - to prepare the saddle welding



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



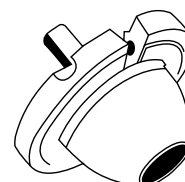
* may only be used in fixed drilling machines!



** tool holder MK4

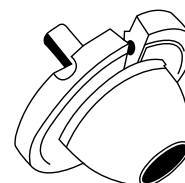
SADDLE PEELING TOOLS FOR aquatherm blue pipe OT PIPES ø 50-125mm

Art.-No.	Dimension	PU	Box unit	Price € m/pc
50921	for welding saddles 20 & 25 mm for pipe dimensions from 50 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 160-250mm

Art.-Nr.	Abmessung	PU	Box unit	Preis € m/St
50421	for welding saddles ø 20 & 25 mm		1	
50422	for welding saddles ø 32 mm		1	
50424	for welding saddles ø 40 mm		1	
50426	for welding saddles ø 50 mm		1	
50428	for welding saddles ø 63 mm		1	



aquatherm ti

PRE-INSULATED PIPE SYSTEMS FOR DISTRICT HEATING

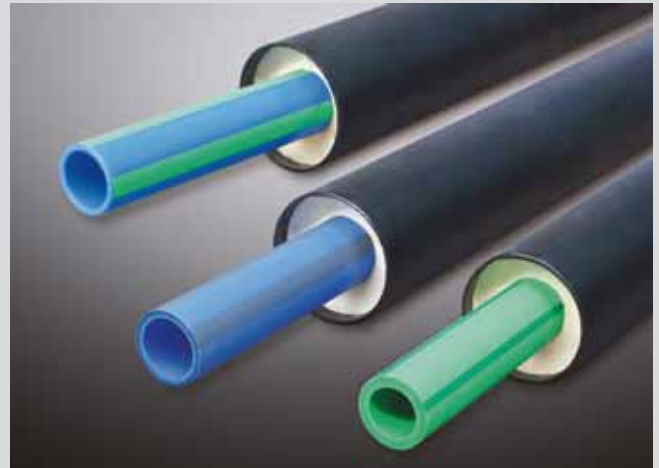
One of the most energy-efficient methods of transporting hot potable water as well as heating or cooling water covering long distances is the application of underground piping. To achieve the necessary insulating characteristics for this type of application, aquatherm offers the factory-made pre-insulated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

- ➔ **aquatherm green pipe ti** -
faser composite pipe system SDR 7,4/SDR 9 pipe system for potable water in dimensions DN 25 - DN 200
- ➔ **aquatherm blue pipe ti** -
faser composite pipe system SDR 11 pipe system for heating, cooling and waste water in dimensions DN 25 - DN 300
- ➔ **aquatherm blue pipe ot ti** -
faser composite pipe system SDR 11 oxygen-tight pipe system for heating- and industrial water in dimensions DN 25 - DN 100

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 +43(0)2722 950 200, visit www.aquatherm.de or order our new aquatherm ti catalogue (Ord.No. E300000).



FIELDS OF APPLICATION

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

aquatherm green pipe ti

aquatherm blue pipe ti

aquatherm blue pipe ot ti

	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	●	●	●

aquatherm ti

PRE-INSULATED PIPE SYSTEM

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 corresponding to the dimension, two melting adhesive strips, one casing shrink film and one shrink sleeve.

MEDIUMPIPE

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

aquatherm green pipe faser-composite pipe SDR 7,4/SDR 9

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

aquatherm blue pipe faser-composite pipe SDR 11

Max. operating pressure:	10 bars
Max. operating temperature:	80° C
Colour:	blue with 4 wide green stripes

aquatherm blue pipe OT-faser-composite pipe SDR 11

Max. operating pressure:	10 bars
Max. operating temperature:	80° C
Colour:	blue with 4 grey stripes
Field of application:	see operating pressure tables.

The manufacturer's operating instructions are valid.

INSULATION

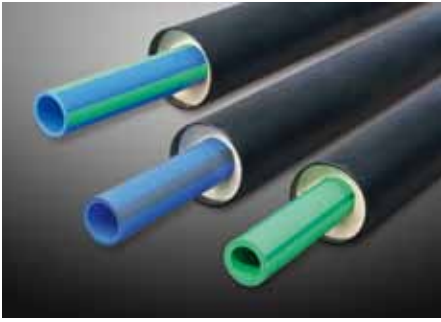
aquatherm ti pipes and fittings are insulated with polyurethane rigid foam (PUR), tested according to EN253. In the production line discontinuously foamed between medium and casing pipe, a high-class insulation with outstanding thermal conductivity $\lambda_{\text{PUR}}=0,0275 \text{ W/mK}$ and low specific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

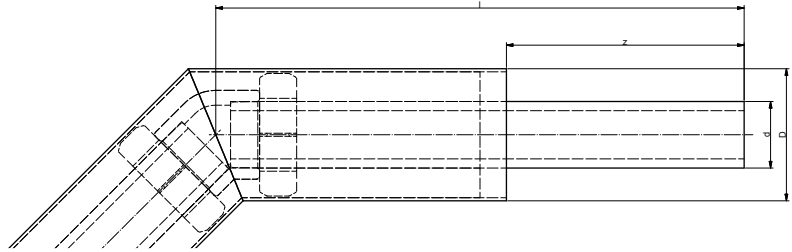
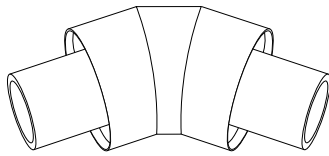
Outside diameter		System								PU	Box unit
		aquatherm green pipe ti SDR 7,4		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11		aquatherm blue pipe ti SDR 17,6			
Medium pipe	Casing pipe	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	m/St	
32 mm	90 mm	1270711		2270111		2470711				5,8	
40 mm	110 mm	1270713		2270113		2470113				5,8	
50 mm	110 mm	1270715		2270115		2470115				5,8	
63 mm	125 mm	1270717		2270117		2470117				5,8	
75 mm	140 mm	1270719		2270119		2470119				5,8	
90 mm	160 mm	1270721		2270121		2470121				5,8	
110 mm	200 mm	1270723		2270123		2470123				5,8	
125 mm	225 mm	1270725		2270125		2470125				5,8	10
160 mm	250 mm	1270729		2270129		2470129		2770129		5,8	10
200 mm	315 mm	1270733		2270133		2470133		2770133		5,8	10
250 mm	400 mm	1270737		2270137		2470137		2770137		5,8	10
315 mm	450 mm			2270141				2770141		5,8	10

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		System								PU	Box unit
		aquatherm green pipe ti SDR 7,4		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11		aquatherm blue pipe ti SDR 17,6			
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/St	
32 mm	90 mm	1270712		2270112		2470712				11,6	
40 mm	110 mm	1270714		2270114		2470114				11,6	
50 mm	110 mm	1270716		2270116		2470116				11,6	
63 mm	125 mm	1270718		2270118		2470118				11,6	
75 mm	140 mm	1270720		2270120		2470120				11,6	
90 mm	160 mm	1270722		2270122		2470122				11,6	
110 mm	200 mm	1270724		2270124		2470124				11,6	
125 mm	225 mm	1270726		2270126		2470126				11,6	
160 mm	250 mm	1270730		2270130		2470130		2770130		11,6	10
200 mm	315 mm	1270734		2270134		2470134		2770134		11,6	10
250 mm	400 mm	1270738		2270138		2470138		2770138		11,6	10
315 mm	450 mm			2270142				2770142		11,6	10

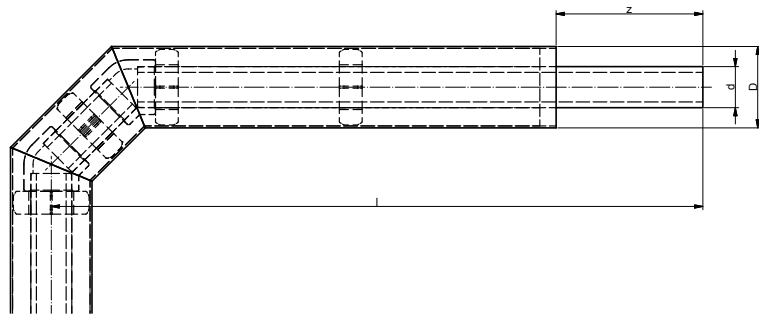
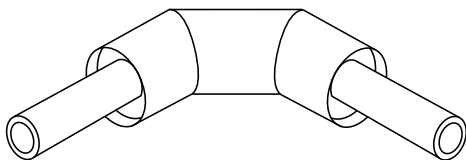


aquatherm ti - ELBOW 45° SL 500

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

Outside diameter				System								PU	Box unit
				aquatherm green pipe ti SDR 7,4		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11		aquatherm blue pipe ti SDR 17,6			
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/St	
32	90	225	500	1212512		2212512		2412512				1	
40	110	225	500	1212514		2212514		2412514				1	
50	110	225	500	1212516		2212516		2412516				1	
63	125	225	500	1212518		2212518		2412518				1	
75	140	225	500	1212520		2212520		2412520				1	
90	160	225	500	1212522		2212522		2412522				1	
110	200	225	500	1212524		2212524		2412524				1	
125	225	225	500	1212526		2212526		2412526				1	
160	250	225	500	1212530		2212531		2412531		2712530		1	
200	315	225	500	1212534		2212535		2412535		2712534		1	
250	400	225	500	1212538		2212539		2412539		2712538		1	
315	450	225	500			2212543				2712542		1	

Also available in design 15° and 30°.

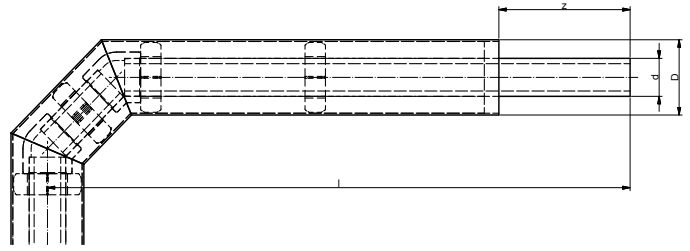
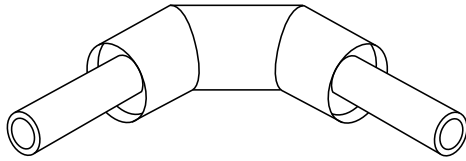


aquatherm ti - ELBOW 90° SL 500

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

Outside diameter				System						PU	Box unit
				aquatherm green pipe ti SDR 7,4		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ti SDR 11			
d Medium pipe	D Casing pipe	z	l	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	m/St	
32	90	225	500	1212212		2212212		2412212		1	
40	110	225	500	1212214		2212214		2412214		1	
50	110	225	500	1212216		2212216		2412216		1	
63	125	225	500	1212218		2212218		2412218		1	
75	140	225	500	1212220		2212220		2412220		1	

Also available in design 60° and 75°.

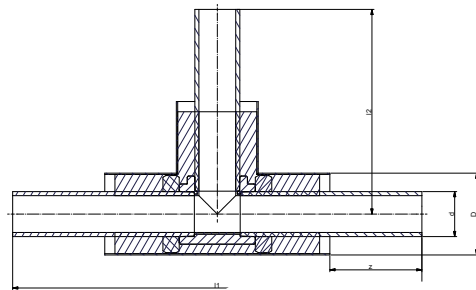
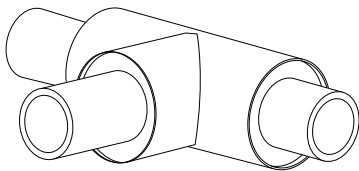


aquatherm ti - ELBOW 90° SL 1000

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

Outside diameter				System								PU	Box unit
d Medium pipe	D Casing pipe	z	l	aquatherm green pipe ti SDR 7,4		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11		aquatherm blue pipe ti SDR 17,6			
				Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc		
32	90	225	1000	1212112		2212112		2412112				1	
40	110	225	1000	1212114		2212114		2412114				1	
50	110	225	1000	1212116		2212116		2412116				1	
63	125	225	1000	1212118		2212118		2412118				1	
75	140	225	1000	1212120		2212120		2412120				1	
90	160	225	1000	1212122		2212122		2412122				1	
110	200	225	1000	1212124		2212124		2412124				1	
125	225	225	1000	1212126		2212126		2412126				1	
160	250	225	1000	1212130		2212131		2412131		2712130		1	10
200	315	225	1000	1212134		2212135		2412135		2712134		1	10
250	400	225	1000	1212138		2212139		2412139		2712138		1	10
315	450	225	1000			2212143				2712142		1	10

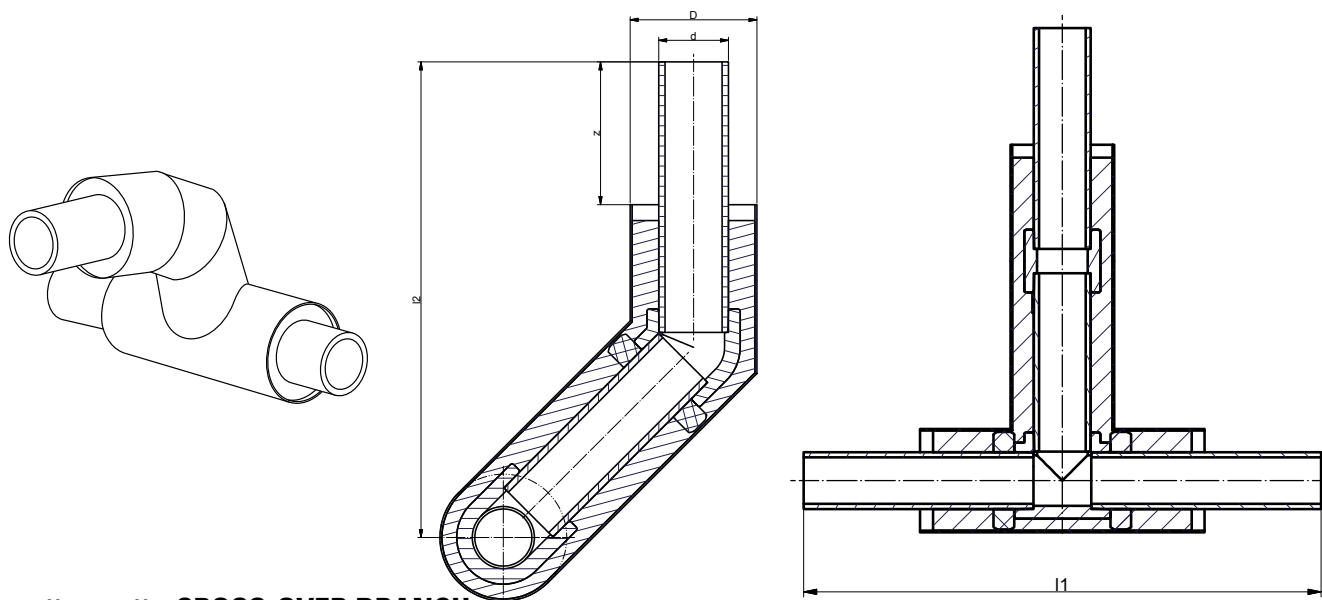
Also available in design 60° and 75°.



aquatherm ti - BRANCH

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

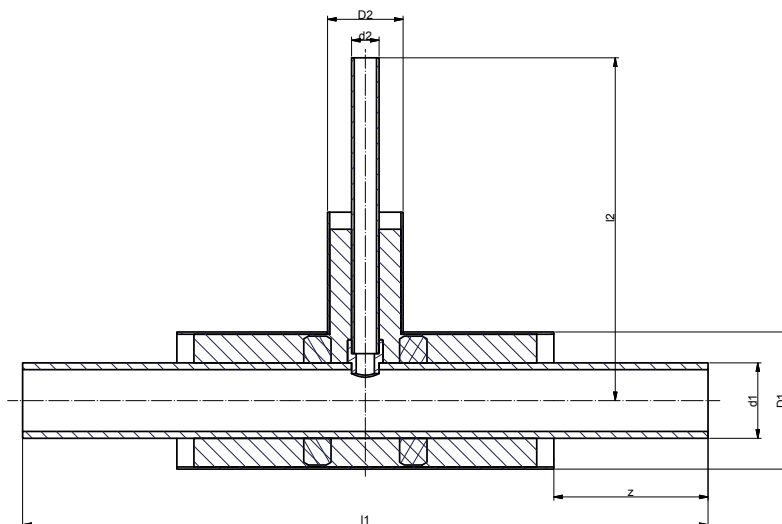
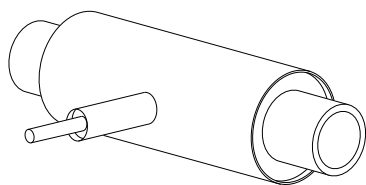
Outside diameter					System								PU	Box unit
d Medium pipe	D Casing pipe	z	l1	l2	aquatherm green pipe ti SDR 7,4		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11		aquatherm blue pipe ti SDR 17,6			
					Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc		
32	90	225	1000	500	1213112		2213112		2413112				1	
40	110	225	1000	500	1213114		2213114		2413114				1	
50	110	225	1000	500	1213116		2213116		2413116				1	
63	125	225	1000	500	1213118		2213118		2413118				1	
75	140	225	1000	500	1213120		2213120		2413120				1	
90	160	225	1000	500	1213122		2213122		2413122				1	
110	200	225	1000	500	1213124		2213124		2413124				1	
125	225	225	1000	500	1213126		2213126		2413126				1	
160	250	225	1000	500	1213130		2213131		2413131		2713130		1	10
200	315	225	1500	750	1213134		2213135		2413135		2713134		1	10
250	400	225	1500	750	1213138		2213139		2413139		2713138		1	10
315	450	225	1500	750			2213143				2713142		1	10



aquatherm ti - CROSS-OVER BRANCH

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

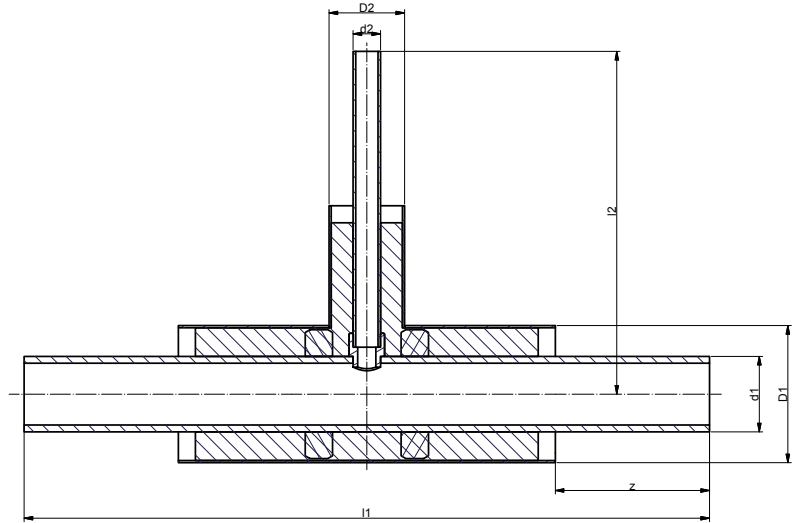
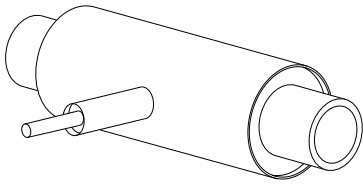
Outside diameter					System								PU	Box unit
					aquatherm green pipe ti SDR 7,4		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11		aquatherm blue pipe ti SDR 17,6			
d Medium pipe	D Casing pipe	z	l1	l2	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	m/St	
32	90	225	1000	750	1218112		2218112		2418112				1	
40	110	225	1000	750	1218114		2218114		2418114				1	
50	110	225	1000	750	1218116		2218116		2418116				1	
63	125	225	1000	750	1218118		2218118		2418118				1	
75	140	225	1000	750	1218120		2218120		2418120				1	
90	160	225	1000	750	1218122		2218122		2418122				1	
110	200	225	1000	750	1218124		2218124		2418124				1	
125	225	225	1000	750	1218126		2218126		2418126				1	
160	250	225	1000	1000	1218130		2218131		2418131		2718130		1	10
200	315	225	1500	1000	1218134		2218135		2418135		2718134		1	10
250	400	225	1500	1000	1218138		2218139		2418139		2718138		1	10
315	450	225	1500	1250			2218143				2718142		1	10



aquatherm ti - RED.-BRANCH SL 500

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

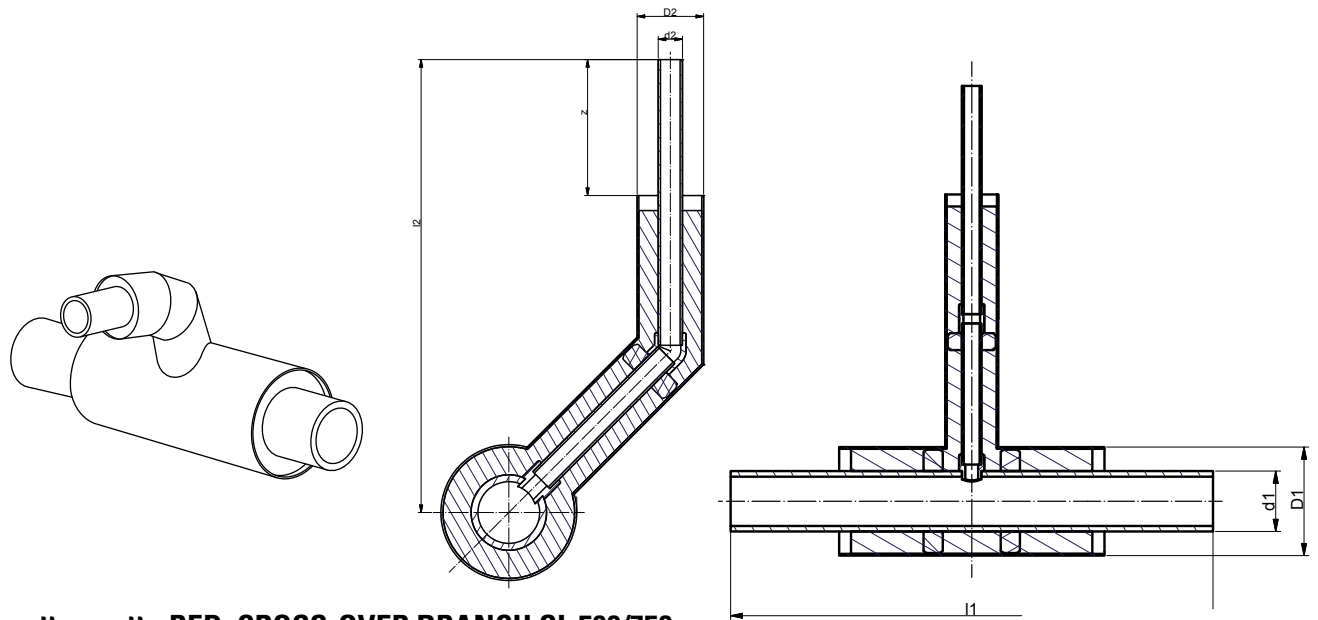
Outside diameter							System								PU	Box unit
d1 Medium pipe	d2 Medium pipe	D1 Casing pipe	D2 Casing pipe	z	l1	l2	aquatherm green pipe ti SDR 7,4	Price € m/pc	aquatherm blue pipe ti SDR 11	Price € m/pc	aquatherm blue pipe ot ti SDR 11	Price € m/pc	aquatherm blue pipe ti SDR 17,6	Price € m/pc		
40	32	110	90	225	1000	500	1213202		2213202		2413202			1		
50	32	110	90	225	1000	500	1213206		2213206		2413206			1		
50	40	110	110	225	1000	500	1213208		2213208		2413208			1		
63	32	125	90	225	1000	500	1213212		2213212		2413212			1		
63	40	125	110	225	1000	500	1213214		2213214		2413214			1		
63	50	125	110	225	1000	500	1213216		2213216		2413216			1		
75	32	140	90	225	1000	500	1213220		2213220		2413220			1		
75	40	140	110	225	1000	500	1213222		2213222		2413222			1		
75	50	140	110	225	1000	500	1213224		2213224		2413224			1		
75	63	140	125	225	1000	500	1213226		2213226		2413226			1		
90	32	160	90	225	1000	500	1213230		2213230		2413230			1		
90	40	160	110	225	1000	500	1213232		2213232		2413232			1		
90	50	160	110	225	1000	500	1213234		2213234		2413234			1		
90	63	160	125	225	1000	500	1213236		2213236		2413236			1		
90	75	160	140	225	1000	500	1213238		2213238		2413238			1		
110	32	200	90	225	1000	500	1213242		2213242		2413242			1		
110	40	200	110	225	1000	500	1213244		2213244		2413244			1		
110	50	200	110	225	1000	500	1213246		2213246		2413246			1		
110	63	200	125	225	1000	500	1213248		2213248		2413248			1		
110	75	200	140	225	1000	500	1213250		2213250		2413250			1		
110	90	200	160	225	1000	500	1213252		2213252		2413252			1		
125	32	225	90	225	1000	500	1213256		2213256		2413256			1		
125	40	225	110	225	1000	500	1213258		2213258		2413258			1		
125	50	225	110	225	1000	500	1213260		2213260		2413260			1		
125	63	225	125	225	1000	500	1213262		2213262		2413262			1		
125	75	225	140	225	1000	500	1213264		2213264		2413264			1		
125	90	225	160	225	1000	500	1213266		2213266		2413266			1		
125	110	225	200	225	1000	500	1213268		2213268		2413268			1		
160	32	250	90	225	1000	500	1213290		2213291		2413291		2713290	1		
160	40	250	110	225	1000	500	1213292		2213293		2413293		2713292	1		
160	50	250	110	225	1000	500	1213294		2213295		2413295		2713294	1		
160	63	250	125	225	1000	500	1213296		2213297		2413297		2713296	1		
160	75	250	140	225	1000	500	1213298		2213299		2413299		2713298	1		
160	90	250	160	225	1000	500	1213300		2213301		2413301		2713300	1		
160	110						1213302		2213303		2413303		2713302	1	10	
160	125								2213305		2413305		2713304	1	10	



aquatherm ti - RED.-BRANCH SL 750

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

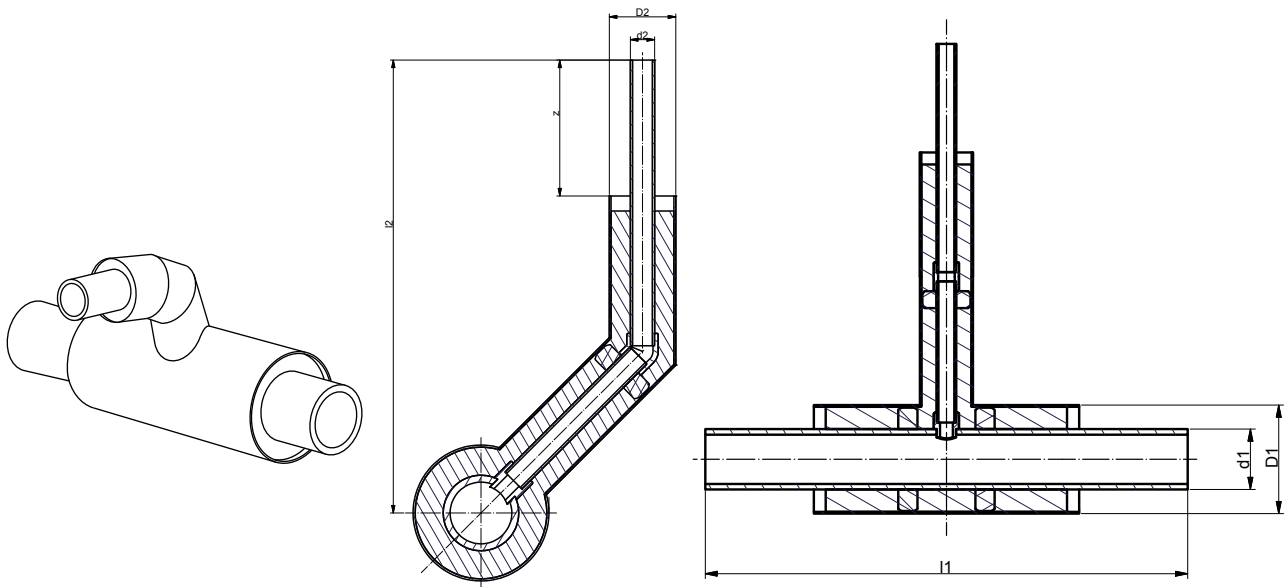
Outside diameter										System				PU	Box unit					
d1 Me- dium pipe	d2 Me- dium pipe	D1 Casing pipe	D2 Casing pipe	z	l1	l2	aquatherm green pipe ti SDR 7,4	Art.- No.	Price € m/pc	aquatherm blue pipe ti SDR 11	Art.- No.	Price € m/pc	aquatherm blue pipe ot ti SDR 11	Art.- No.	Price € m/pc	aquatherm blue pipe ti SDR 17,6	Art.- No.	Price € m/pc		
200	32	315	90	225	1500	750	1213332			2213333			2413333			2713332			1	10
200	40	315	110	225	1500	750	1213334			2213335			2413335			2713334			1	10
200	50	315	110	225	1500	750	1213336			2213337			2413337			2713336			1	10
200	63	315	125	225	1500	750	1213338			2213339			2413339			2713338			1	10
200	75	315	140	225	1500	750	1213340			2213341			2413341			2713340			1	10
200	90	315	160	225	1500	750	1213342			2213343			2413343			2713342			1	10
200	110	315	200	225	1500	750	1213344			2213345			2413345			2713344			1	10
200	125	315	225	225	1500	750	1213346			2213347			2413347			2713346			1	10
200	160	315	250	225	1500	750	1213350			2213351			2413351			2713350			1	10
250	32	400	90	225	1500	750	1213382			2213383			2413383			2713382			1	10
250	40	400	110	225	1500	750	1213384			2213385			2413385			2713384			1	10
250	50	400	110	225	1500	750	1213386			2213387			2413387			2713386			1	10
250	63	400	125	225	1500	750	1213388			2213389			2413389			2713388			1	10
250	75	400	140	225	1500	750	1213390			2213391			2413391			2713390			1	10
250	90	400	160	225	1500	750	1213392			2213393			2413393			2713392			1	10
250	110	400	200	225	1500	750	1213394			2213395			2413395			2713394			1	10
250	125	400	225	225	1500	750	1213396			2213397			2413397			2713396			1	10
250	160						1213400			2213401			2413401			2713400			1	10
250	200						1213402			2213403			2413403			2713402			1	10
315	32	450	90	225	1500	750				2213407						2713406			1	10
315	40	450	110	225	1500	750				2213409						2713408			1	10
315	50	450	110	225	1500	750				2213411						2713410			1	10
315	63	450	125	225	1500	750				2213413						2713412			1	10
315	75	450	140	225	1500	750				2213415						2713414			1	10
315	90	450	160	225	1500	750				2213417						2713416			1	10
315	110	450	200	225	1500	750				2213419						2713418			1	10
315	125	450	225	225	1500	750				2213421						2713420			1	10
315	160	450	250	225	1500	750				2213425						2713424			1	10
315	200									2213429						2713428			1	10
315	250									2213433						2713432			1	10



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

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

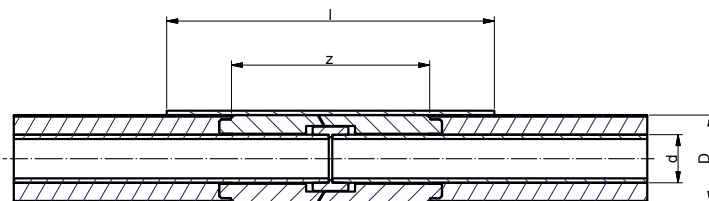
Outside diameter							System								PU	Box unit
d1 Medium pipe	d2 Medium pipe	D1 Casing pipe	D2 Casing pipe	z	l1	l2	aquatherm green pipe ti SDR 7,4		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11		aquatherm blue pipe ti SDR 17,6			
							Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc		Price €		
40	32	110	90	225	1000	750	1218202		2218202		2418202				1	
50	32	110	90	225	1000	750	1218206		2218206		2418206				1	
50	40	110	110	225	1000	750	1218208		2218208		2418208				1	
63	32	125	90	225	1000	750	1218212		2218212		2418212				1	
63	40	125	110	225	1000	750	1218214		2218214		2418214				1	
63	50	125	110	225	1000	750	1218216		2218216		2418216				1	
75	32	140	90	225	1000	750	1218220		2218220		2418220				1	
75	40	140	110	225	1000	750	1218222		2218222		2418222				1	
75	50	140	110	225	1000	750	1218224		2218224		2418224				1	
75	63	140	125	225	1000	750	1218226		2218226		2418226				1	
90	32	160	90	225	1000	750	1218230		2218230		2418230				1	
90	40	160	110	225	1000	750	1218232		2218232		2418232				1	
90	50	160	110	225	1000	750	1218234		2218234		2418234				1	
90	63	160	125	225	1000	750	1218236		2218236		2418236				1	
90	75	160	140	225	1000	750	1218238		2218238		2418238				1	
110	32	200	90	225	1000	750	1218242		2218242		2418242				1	
110	40	200	110	225	1000	750	1218244		2218244		2418244				1	
110	50	200	110	225	1000	750	1218246		2218246		2418246				1	
110	63	200	125	225	1000	750	1218248		2218248		2418248				1	
110	75	200	140	225	1000	750	1218250		2218250		2418250				1	
110	90	200	160	225	1000	750	1218252		2218252		2418252				1	
125	32	225	90	225	1000	750	1218256		2218256		2418256				1	
125	40	225	110	225	1000	750	1218258		2218258		2418258				1	
125	50	225	110	225	1000	750	1218260		2218260		2418260				1	
125	63	225	125	225	1000	750	1218262		2218262		2418262				1	
125	75	225	140	225	1000	750	1218264		2218264		2418264				1	
125	90	225	160	225	1000	750	1218266		2218266		2418266				1	
125	110	225	200	225	1000	750	1218268		2218268		2418268				1	
160	32	250	90	225	1000	750	1218290		2218291		2418291		2718290		1	10
160	40	250	110	225	1000	750	1218292		2218293		2418293		2718292		1	10
160	50	250	110	225	1000	750	1218294		2218295		2418295		2718294		1	10
160	63	250	125	225	1000	750	1218296		2218297		2418297		2718296		1	10
160	75	250	140	225	1000	750	1218298		2218299		2418299		2718298		1	10
160	90	250	160	225	1000	750	1218300		2218301		2418301		2718300		1	10
160	110	250	200	225	1000	750	1218302		2218303		2418303		2718302		1	10
160	125	250	225	225	1000	1000	1218304		2218305		2418305		2718304		1	10



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

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

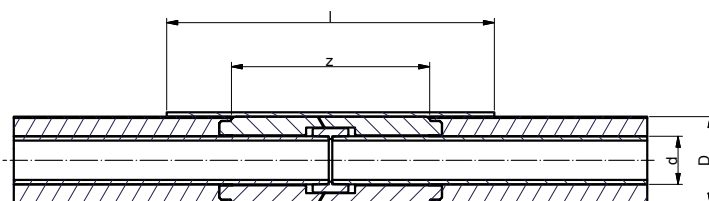
Outside diameter				System												PU	Box unit
d1 Medium pipe	d2 Medium pipe	D1 Casing pipe	D2 Casing pipe	z	l1	l2	aquatherm green pipe ti SDR 7,4		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11		aquatherm blue pipe ti SDR 17,6				
							Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc			
200	32	315	90	225	1000	750	1218332		2218333		2418333		2718332		1	10	
200	40	315	110	225	1000	1000	1218334		2218335		2418335		2718334		1	10	
200	50	315	110	225	1000	1000	1218336		2218337		2418337		2718336		1	10	
200	63	315	125	225	1000	1000	1218338		2218339		2418339		2718338		1	10	
200	75	315	140	225	1000	1000	1218340		2218341		2418341		2718340		1	10	
200	90	315	160	225	1000	1000	1218342		2218343		2418343		2718342		1	10	
200	110	315	200	225	1000	1000	1218344		2218345		2418345		2718344		1	10	
200	125	315	225	225	1500	1000	1218346		2218347		2418347		2718346		1	10	
200	160	315	250	225	1500	1000	1218350		2218351		2418351		2718350		1	10	
250	32	400	90	225	1000	1000	1218382		2218383		2418383		2718382		1	10	
250	40	400	110	225	1000	1000	1218384		2218385		2418385		2718384		1	10	
250	50	400	110	225	1000	1000	1218386		2218387		2418387		2718386		1	10	
250	63	400	125	225	1000	1000	1218388		2218389		2418389		2718388		1	10	
250	75	400	140	225	1000	1000	1218390		2218391		2418391		2718390		1	10	
250	90	400	160	225	1000	1000	1218392		2218393		2418393		2718392		1	10	
250	110	400	200	225	1000	1000	1218394		2218395		2418395		2718394		1	10	
250	125	400	225	225	1000	1000	1218396		2218397		2418397		2718396		1	10	
250	160	400	250	225	1500	1000	1218400		2218401		2418401		2718400		1	10	
250	200	400	315	225	1500	1000	1218402		2218403		2418403		2718402		1	10	
315	32	450	90	225	1000	1000			2218407				2718406		1	10	
315	40	450	110	225	1000	1000			2218409				2718408		1	10	
315	50	450	110	225	1000	1000			2218411				2718410		1	10	
315	63	450	125	225	1000	1000			2218413				2718412		1	10	
315	75	450	140	225	1000	1000			2218415				2718414		1	10	
315	90	450	160	225	1000	1000			2218417				2718416		1	10	
315	110	450	200	225	1000	1000			2218419				2718418		1	10	
315	125	450	225	225	1000	1000			2218421				2718420		1	10	
315	160	450	250	225	1000	1000			2218425				2718424		1	10	
315	200	450	315	225	1500	1000			2218429				2718428		1	10	
315	250								2218433				2718432		1	10	



aquatherm ti - SOCKET CSC-X

consists of shrink sleeve with PUR-rigid foam insulation elements and accessories, 750 mm total lengths

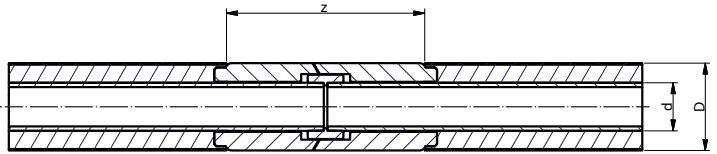
Outside diameter				System		PU	Box unit
Medium pipe d	Casing pipe D	z	l	aquatherm ti			
Art.-No.	Price € m/pc						
Socket welding: the fitting for the connection of the medium pipes is included in delivery.							
32	90	454,5	750	1211012		1	
40	110	456,5	750	1211014		1	
50	110	456	750	1211016		1	
63	125	455,5	750	1211018		1	
75	140	456,5	750	1211020		1	70
90	160	456,5	750	1211022		1	
110	200	458	750	1211024		1	
125	225	460	750	1211026		1	
Butt welding: no fitting is required for the connection of the medium pipes							
160	250	445	750	1211030		1	
200	315	444	750	1211034		1	
250	400	444	750	1211038		1	
315	450	444	750	1211042		1	



aquatherm ti - SOCKET PLA

consists of shrink sleeve with PUR-rigid foam insulation elements and accessories, 650 mm total lengths

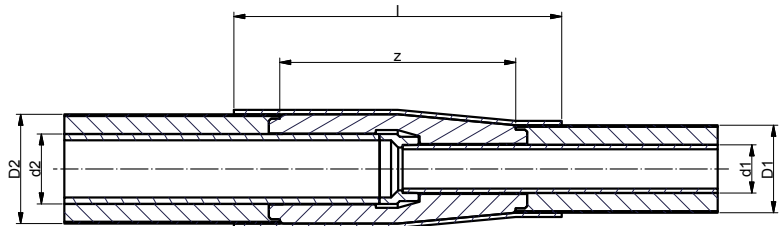
Outside diameter				System		PU	Box unit
Medium pipe d	Casing pipe D	z	l	aquatherm ti			
Art.-No.	Price € m/pc						
Socket welding: the fitting for the connection of the medium pipes is included in delivery.							
32	90	454,5	650	2211012		1	
40	110	456,5	650	2211014		1	
50	110	456	650	2211016		1	
63	125	455,5	650	2211018		1	
75	140	456,5	650	2211020		1	70
90	160	456,5	650	2211022		1	
110	200	458	650	2211024		1	
125	225	460	650	2211026		1	
Butt welding: no fitting is required for the connection of the medium pipes							
160	250	445	650	2211030		1	
200	315	444	650	2211034		1	
250	400	444	650	2211038		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. 79)

Outside diameter			System		PU	Box unit
Medium pipe d	Casing pipe D	z	aquatherm ti			
			Art.-No.	Price € m/pc		
Socket welding: the fitting for the connection of the medium pipes is included in delivery.						
32	90	454,5	2411012		1	
40	110	456,5	2411014		1	
50	110	456	2411016		1	
63	125	455,5	2411018		1	
75	140	456,5	2411020		1	
90	160	456,5	2411022		1	
110	200	458	2411024		1	
125	225	460	2411026		1	
Butt welding: no fitting is required for the connection of the medium pipes						
160	250	445	2411030		1	
200	315	444	2411034		1	
250	400	444	2411038		1	
315	450	444	2411042		1	

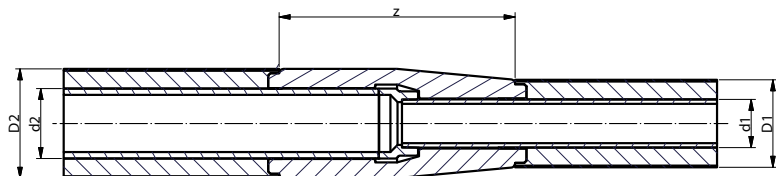


aquatherm ti - REDUCING SOCKET

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

Outside diameter					System		PU	Box unit
d1 Medium pipe	d2 Medium pipe	D1 Casing pipe	D2 Casing pipe	z	l	aquatherm green pipe ti SDR 7,4 aquatherm blue pipe ti SDR 11		
						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	750	1211222		1 10
50	32	90	110	456	750	1211228		1 10
50	40	110	125	456	750	1211230		1 10
63	40	110	125	455,5	750	1211236		1 10
63	50	110	140	455,5	750	1211238		1 10
75	50	110	140	456,5	750	1211240		1 10
75	63	125	160	456,5	750	1211242		1 10
90	63	125	160	456,5	750	1211252		1 10
90	75	140	200	456,5	750	1211253		1 10
110	75	140	200	458	750	1211257		1 10
110	90	160	225	458	750	1211259		1 10
125	90	160	225	458	750	1211263		1 10
125	110	200	250	460	750	1211265		1 10

Outside diameter						aquatherm green pipe ti SDR 7,4		aquatherm blue pipe ti SDR 11			
d1 Medium pipe	d2 Medium pipe	D1 Casing pipe	D2 Casing pipe	z	l	Art.-No.	Price € m/pc	Art.-No.	Price € m/pc		
160	110	200	250	540	750	1211274		2211275		1	10
160	125	225	315	540	750	1211276		2211277		1	10
200	125	225	315	585	750	1211282		2211283		1	10
Double-sided butt welding											
200	160	250	400	585	750	1211284		2211285		1	10
250	160	250	400	622	750	1211288		2211289		1	10
250	200	315	400	622	750	1211290		2211291		1	10
315	200	315	450,00					2211297		1	10
315	250	400	450,00					2211299		1	10



aquatherm ti - INSULATION-REDUCING SOCKET-SET

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

Outside diameter						System		PU	Box unit
						aquatherm ti			
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	750	2411222		1	
50	32	90	110	456	750	2411228		1	
50	40	110	125	456	750	2411230		1	
63	40	110	125	455,5	750	2411236		1	
63	50	110	140	455,5	750	2411238		1	
75	50	110	140	456,5	750	2411240		1	
75	63	125	160	456,5	750	2411242		1	
90	63	125	160	456,5	750	2411252		1	
90	75	140	200	456,5	750	2411253		1	
110	75	140	200	458	750	2411257		1	
110	90	160	225	458	750	2411259		1	
125	90	160	225	458	750	2411263		1	
125	110	200	250	460	750	2411265		1	
160	110	200	250	540	750	2411274		1	
160	125	225	315	540	750	2411276		1	
200	125	225	315	585	750	2411282		1	
Double-sided butt welding									
200	160	250	400	585	750	2411284		1	
250	160	250	400	622	750	2411288		1	
250	200	315	400	622	750	2411290		1	
315	200	315	450,00			2411296		1	
315	250	400	450,00			2411298		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

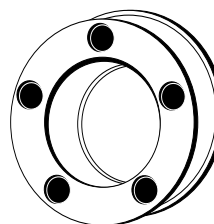
Collar for closing the PUR-insulating layer from casing pipe to medium

Outside diameter		System		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			System		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	
200	90	160	1214222		1	
250	110	200	1214224		1	
300	125	225	1214226		1	
350	160	250	1214230		1	
350	200	315	1214234		1	

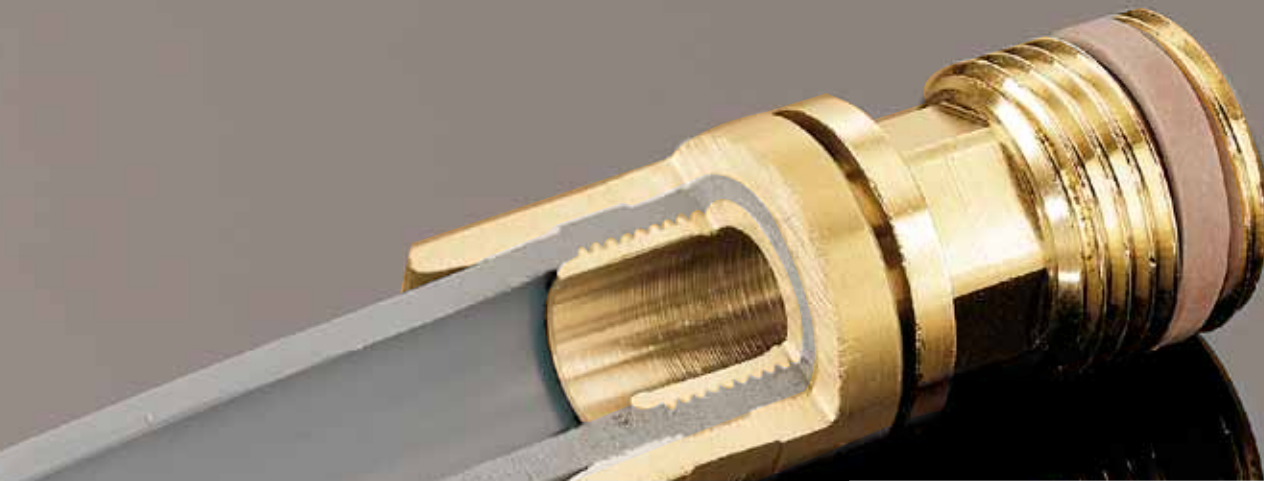


aquatherm ti - WARNING TAPE

Art.-No.	Wide	Price € m/pc	PU	Box unit
50191	40 mm		250m	10

Colour: yellow

Printing in black: "Attention district heating pipeline"



aquatherm grey pipe

POTABLE WATER AND HEATING INSTALLATIONS

The aquatherm grey pipe-system is suitable for systems in the field of potable water, heating and underfloor heating connection.

The material PB (polybutene) - due to its high heat stability and the excellent hygienic qualities - is suitable for the application in the field of potable water.

The profile of PE-RT (polyethylene raised temperature resistance) qualifies this material for the connection of radiators and underfloor heating systems. Applying both materials for small dimensioned connection supplies, they are ideal through high flexibility.

The aquatherm grey pipe is connected by sliding sleeve technique. This type of connection technique is easy and neat in appearance.

If in the field of radiator connection as well as for potable water installations - without costs for large tools and without great difficulty of assembly - permanent connections of small dimensions with brass- and plastic fittings are made.



aquatherm grey pipe

The aquatherm grey pipe system offers three types of connection pipes:

- **aquatherm grey pipe**-PB connection pipe (grey) in coils, Ø 16-32 mm, made from the highly flexible material polybutene (PB).
- **aquatherm grey pipe** PE-RT underfloor heating and radiator connection pipe (orange) in coils 16-20 mm, oxygen-tight acc. to DIN4726
- **aquatherm grey pipe**-multi layer metal composite pipe (white) Ø 16-40 mm in straight lengths (16 + 20 mm also available in coils) made from the material PE-HD

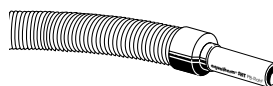
The **aquatherm grey pipe** system can be combined easily with the **aquatherm green pipe** pipe system.

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

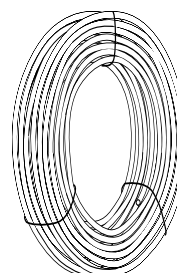


aquatherm grey pipe - POTABLE WATER AND RADIATOR CONNECTION PIPE

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 a 4 m			
77040	16 x 2,6 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

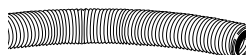


aquatherm grey pipe - MULTI LAYER METAL COMPOSITE PIPE on page 100

aquatherm grey pipe - CORRUGATED PIPE

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

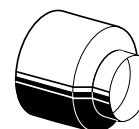
Material: PE
 Colour: green
 Form supplied: ring



aquatherm grey pipe - END SLEEVE FOR CORRUGATED PIPE

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

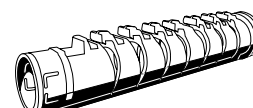
Material: PE
 Colour: red/blue

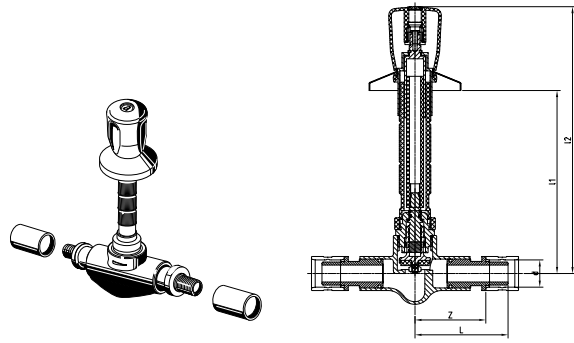


aquatherm grey pipe - SNAP IN RADIUS SUPPORT

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

Material: PE
 Colour: black



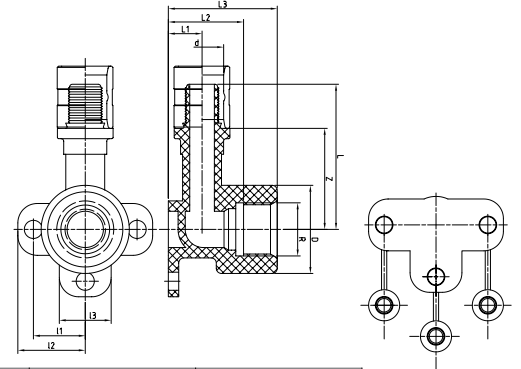
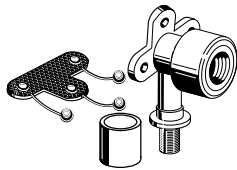


aquatherm grey pipe - CONCEALED STOP VALVE

including sliding sleeve

Art.-No.	d	Z	L	l1	l2	PU	Price € m/pc
79858	20	54	71	139,5	203,5	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	l1	l2	l3	PU	Price € m/pc
79000	16	G1/2	34	39	56	13	29	42	20	26	20,0	1	
79002	20	G3/4	40	42	59	13	29	42	25	31	20,0	1	
79004	20	G1/2	34	39	56	13	29	42	20	26	20,0	1	
79006	25	G3/4	33	36	54	27	29	48	20	26	20,0	1	

Material: PPSU/brass

including acoustic panel (PP)

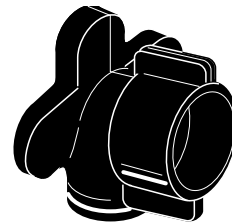
proper to sound insulation plate Art.-No. 79080

aquatherm grey pipe - INSULATION COVER

for Art.-No.79000-79006

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

Material: PE



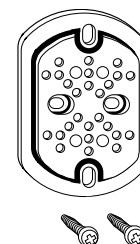
aquatherm grey pipe - SOUND INSULATION PLATE

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

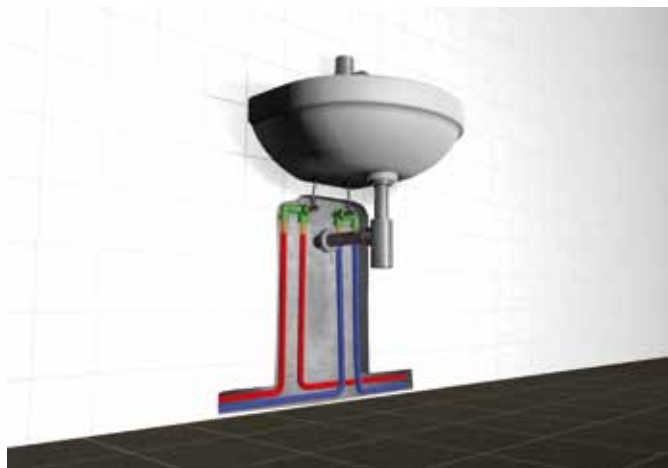
Art.-No.	Dimension	PU	Price € m/pc
79080		2	

suitable with the mouting rail Art.-No. 79090

See Z-measures, page 38.

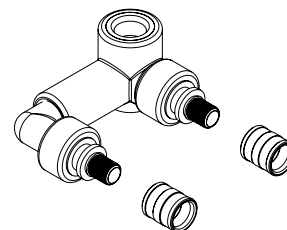


NEW PRINCIPLE OF FLOW-THROUGH BACK PLATE ELBOW



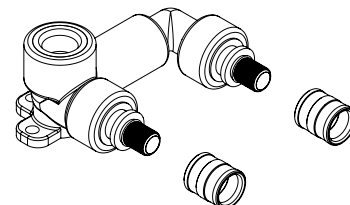
NEW aquatherm grey pipe - FLOW-THROUGH BACK PLATE ELBOW LEFT

Art.-No.	Dimension	PU	Box unit	Price € m/pc
79014	16mm x 1/2"IG left	1		
79018	20mm x 1/2"IG left	1		



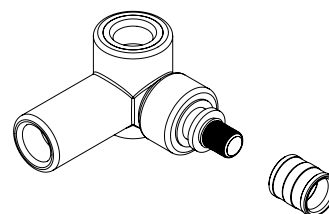
NEW aquatherm grey pipe - FLOW-THROUGH BACK PLATE ELBOW RIGHT

Art.-No.	Dimension	PU	Box unit	Price € m/pc
79012	16mm x 1/2"IG right	1	4	
79016	20mm x 1/2"IG right	1	4	



NEW aquatherm grey pipe - FLOW-THROUGH BACK PLATE ELBOW LEFT

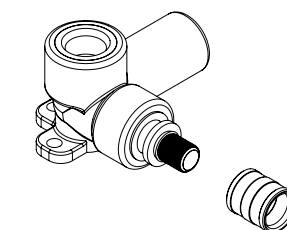
Art.-No.	Dimension	PU	Box unit	Price € m/pc	Preis € m/St
78362	aquatherm green pipe 20 mm x aquatherm grey pipe 16 mm	1/2"	1	4	
78366	aquatherm green pipe 20 mm x aquatherm grey pipe 20 mm	1/2"	1	4	



For the production of the aquatherm grey pipe flow-through back plate elbow left Art.-No. 79014 or 79018 the aquatherm grey pipe opposite elbows male/female 78330 (16mm) or 78332 (20mm) have to be used.

NEW aquatherm grey pipe - FLOW-THROUGH BACK PLATE ELBOW RIGHT

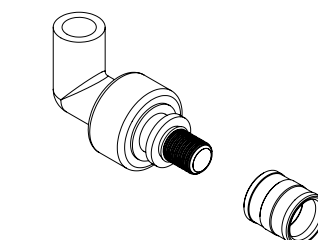
Art.-No.	Dimension	PU	Box unit	Price € m/pc	Preis € m/St
78360	aquatherm green pipe 20 mm x aquatherm grey pipe 16 mm	1/2"	1	4	
78364	aquatherm green pipe 20 mm x aquatherm grey pipe 20 mm	1/2"	1	4	



For the production of the aquatherm grey pipe flow-through back plate elbow left Art.-No. 79012 or 79016 the aquatherm grey pipe opposite elbows male/female 78330 (16mm) or 78332 (20mm) have to be used.

NEW aquatherm grey pipe - FLOW-THROUGH BACK PLATE OPPOSITE ELBOW

Art.-No.	Dimension	PU	Box unit	Price € m/pc
78330	aquatherm green pipe 20 mm x aquatherm grey pipe 16 mm	1	4	
78332	aquatherm green pipe 20 mm x aquatherm grey pipe 20 mm	1	4	



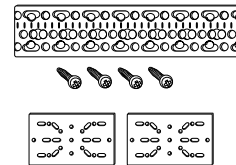
aquatherm grey pipe

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 38.

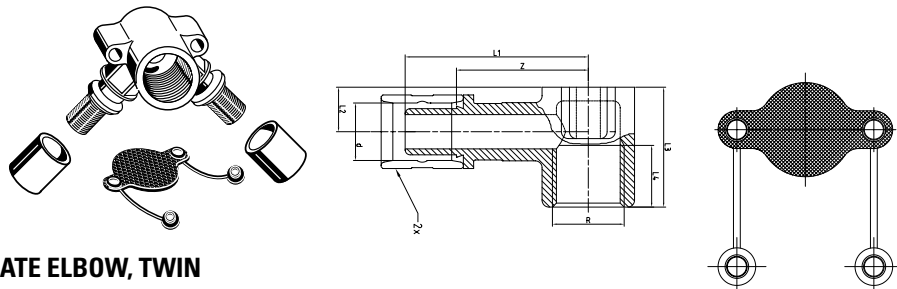
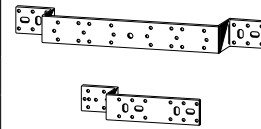


MOUNTING RAIL (TWIN AND SINGLE)

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

galvanized, for fixing of back plate

See Z-measures, page 39.



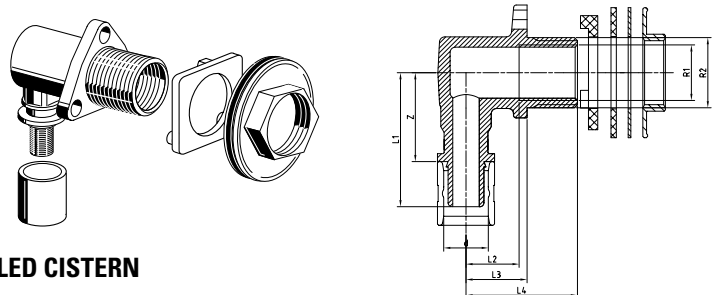
aquatherm grey pipe - BACK PLATE ELBOW, TWIN

including sliding sleeves

Art.-No.	d	Z	L1	L2	L3	R	L4	L5	PU	Price € m/pc
79010	16	38,5	53,5	13	35	G1/2	18	51	4	

Material: brass

including acoustic panel (PP)



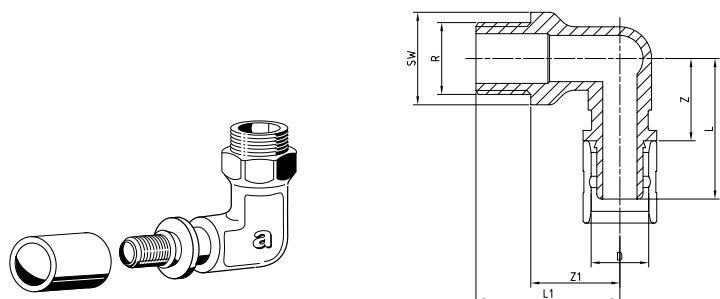
aquatherm grey pipe - CONNECTING ELBOW FOR CONCEALED CISTERN

including sliding sleeve

Art.-No.	d	Z	L1	L2	L3	R	L4	L5	PU	Price € m/pc
79020	16	33,5	50,5	20	23	G1/2	42	51	1	

Material: brass

including counternut, gasket and spring washer

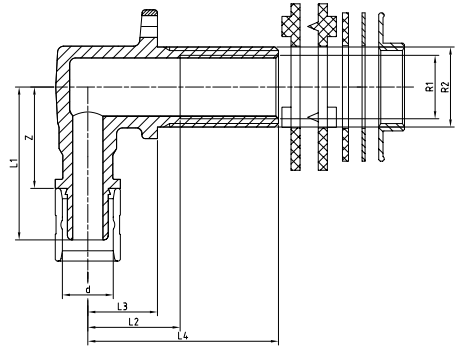
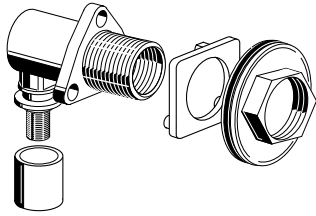


aquatherm grey pipe - TRANSITION ELBOW

including sliding sleeve

Art.-No.	d	R	Z	Z1	L	L1	SW	PU	Price € m/pc
79030	16	G1/2	24	26	41	42	24	2	
79032	20	G1/2	24	26	41	42	24	2	
79033	20	G3/4	25,5	21	42,5	38	-	2	
79034	25	G3/4	26	21	44	38	-	2	

Material: brass

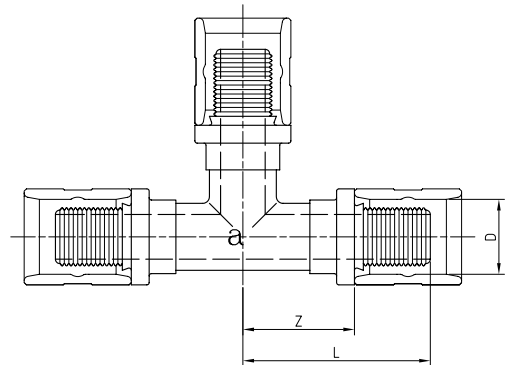
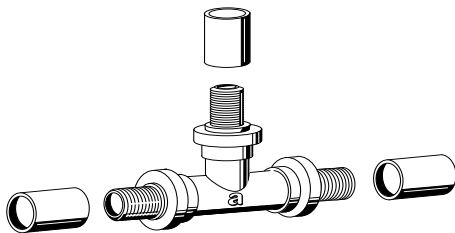


aquatherm grey pipe - CONNECTING ELBOW

for dry construction, including sliding sleeve

Art.-No.	d	R1	Z	L1	R2	L2	L3	L4	PU m/St	Price € m/pc
79040	16	G1/2	33,5	50,5	G3/4	30,5	23	63	2	

Material: brass
including counternut, gasket and 2 spring washers

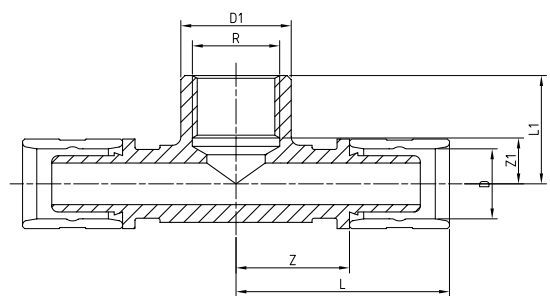
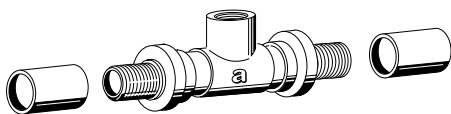


aquatherm grey pipe - TEE

including sliding sleeves

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

Material: PPSU/brass

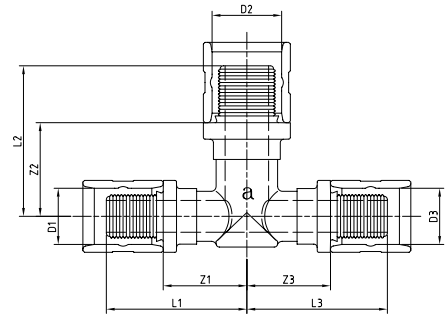
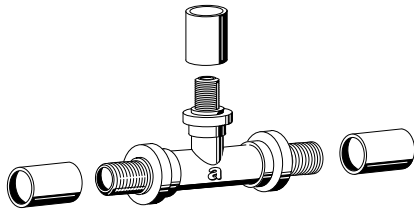


aquatherm grey pipe - TEE WITH FEMALE THREAD

including sliding sleeve

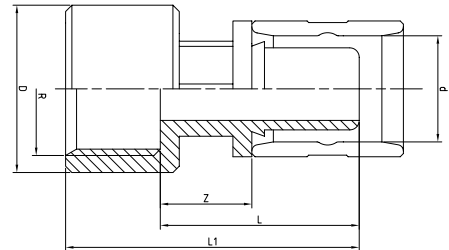
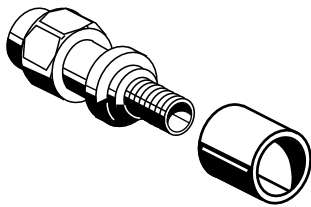
Art.-No.	d	R	Z	L	D1	L1	Z1	PU	Price € m/pc
79160	16	G1/2	27,3	44,3	26,5	26	11	2	
79162	20	G1/2	26,3	43,3	26,3	26	11	2	
79163	25	G1/2	30	54	32	28	9	2	
79164	25	G3/4	31	48	32	28	11	2	

Material: brass



aquatherm grey pipe - REDUCING TEE
including sliding sleeves

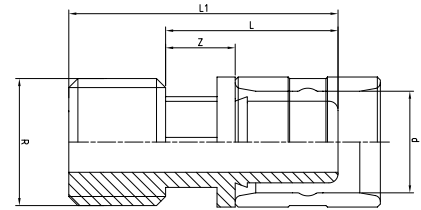
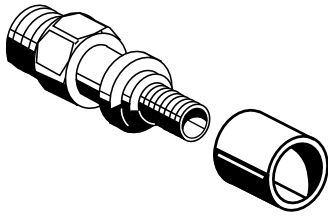
Art.-No.	d1	d2	d3	Z1	L1	Z2	L2	Z3	L3	PU	Price € m/pc
79110	16	20	16	25	42	28	45	25	42	2	
79112	20	16	16	25	42	25	42	25	42	2	
79114	20	16	20	25	42	25	42	25	42	2	
79116	20	20	16	25	42	25	42	25	42	2	
79118	25	20	25	27	45	28	45	27	45	2	
79120	25	20	20	27	45	28	45	28	45	2	
79122	25	20	16	27	45	28	45	28	45	2	
79123	25	16	25	27	45	28	45	27	45	2	
79124	25	16	20	27	45	28	45	28	45	2	
79126	20	25	20	28	45	27	45	28	45	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	14,5	31,5	46,5	26,5	2	
79184	20	G1/2	14,5	31,5	46,5	26,5	2	
79186	20	G3/4	14,5	31,5	48,5	32,5	2	
79188	25	G3/4	16,5	34,5	51,5	32,5	2	

Material: brass

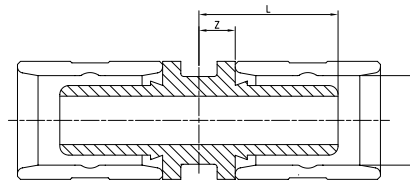
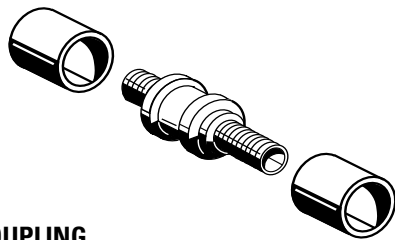


aquatherm grey pipe - TRANSITION PIECE

with male thread, including sliding sleeve

Art.-No.	d	R	Z	L	L1	PU	Price € m/pc
79200	16	G1/2	11,5	28,5	44,5	2	
79202	20	G1/2	11,5	28,5	44,5	2	
79203	20	G3/4	12,5	29,5	45,5	2	
79204	25	G3/4	14,5	31,5	47,5	2	
79205	25	G1/2	11,5	29,5	45,5	2	

Material: brass

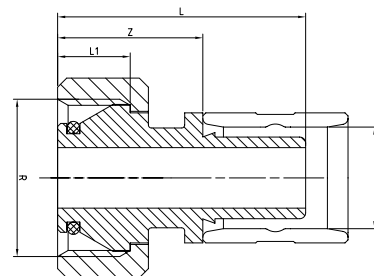
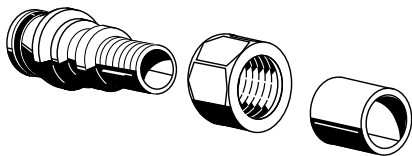


aquatherm grey pipe - COUPLING

including sliding sleeves

Art.-No.	d	Z	L	PU	Price € m/pc
79210	16	6	23	2	
79212	20	6	23	2	
79214	25	7,3	25,3	2	

Material: brass

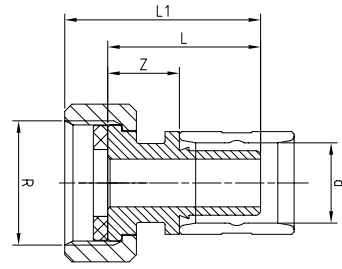
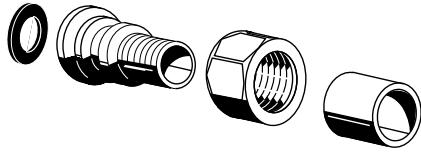


aquatherm grey pipe - EUROCONUS ADAPTER

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

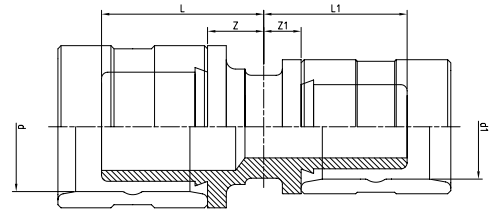
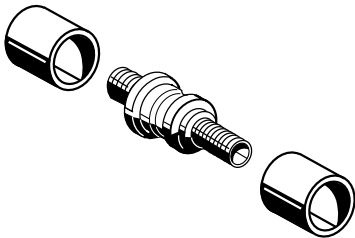


aquatherm grey pipe - TRANSITION SCREW JOINT

including sliding sleeve and gasket

Art.-No.	d	R	Z	L	L1	PU	Price € m/pc
79230	16	G3/4	15	32	41	2	
79232	20	G1	15,5	32,5	45	2	
79240	20	G3/4	22	39	48	2	
79242	25	G1	28	46	57,5	1	

Material: brass

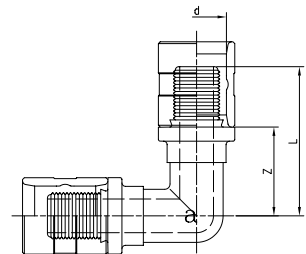
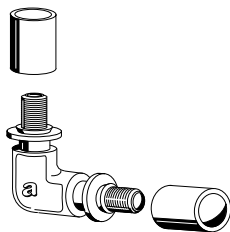


aquatherm grey pipe - REDUCING COUPLING

including sliding sleeve

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

Material: brass

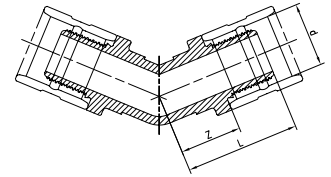
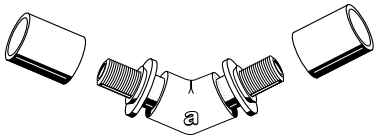


aquatherm grey pipe - ELBOW 90°

including sliding sleeve

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

Material: PPSU/brass



aquatherm grey pipe - ELBOW 45°
including sliding sleeve

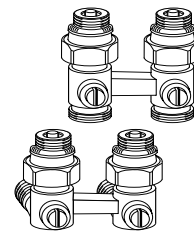
Art.-No.	d	Z	L	PU	Price € m/pc
79322	20	20	37	2	
79324	25	22	40	2	

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	

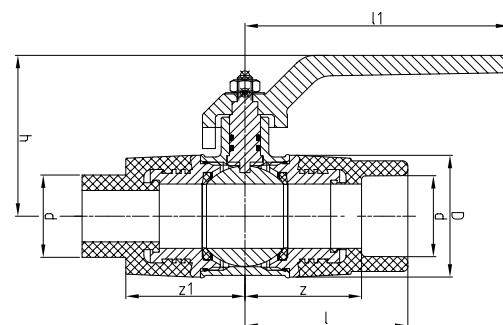
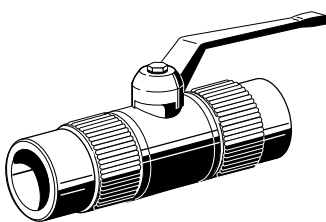
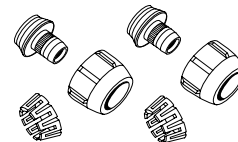
Material: brass



aquatherm grey pipe - COMPRESSION FITTING

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

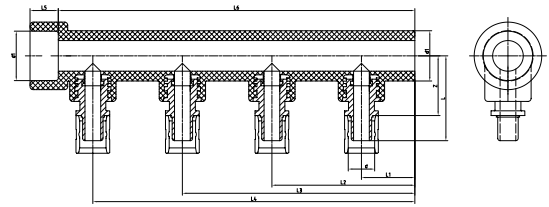
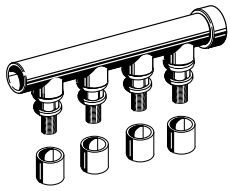
Material: brass
Please use these compression fittings in conjunction with the multi layer metal composite pipes ONLY with the suitable expanding tool Art.-No. 50866.



aquatherm grey pipe - BALL VALVE FOR MANIFOLD
female/male

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

Material: PP-R/brass

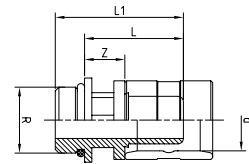
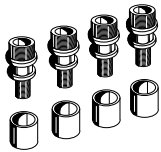


aquatherm grey pipe - FOUR-PORT MANIFOLD

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	54	34	91	148	205	18	227	2	

Material: PP-R/brass
Colour: green

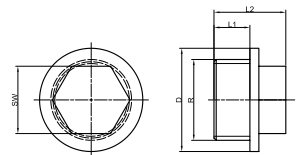
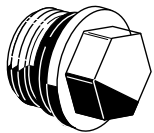


aquatherm grey pipe - SLIDING SLEEVE CONNECTIONS

for manifold branches including sliding sleeves

Art.-No.	Dimension	d	R	Z	L	L1	PU	Price € m/pc
78010	Screwed insert m 18 x 1,5 mm with sliding sleeve connection 16 x 2,0 mm	16	M18x1,5	11,5	28,5	36	4	
78012	Screwed insert m 18 x 1,5 mm with sliding sleeve connection 20 x 2,0 mm	20	M18x1,5	11,5	28,5	36	4	

Material: brass

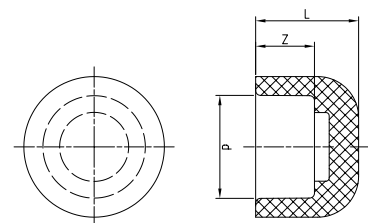


aquatherm grey pipe - BLIND PLUG

for manifold branches

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

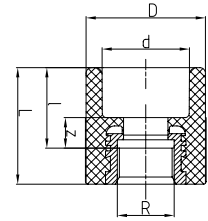
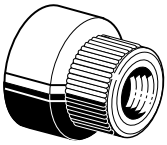
Material: brass



aquatherm grey pipe - END CAP

Art.-No.	d	Z	L	PU	Price € m/pc
14112	32	18,0	31,5	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	43	30	43	1	

Material: PP-R/brass

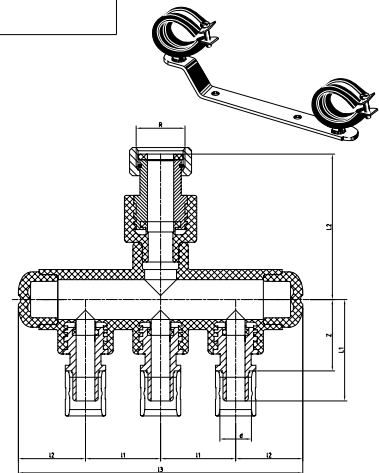
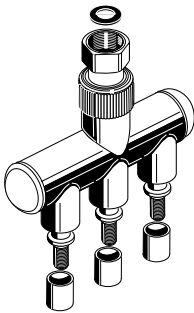
Colour: green

* 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	



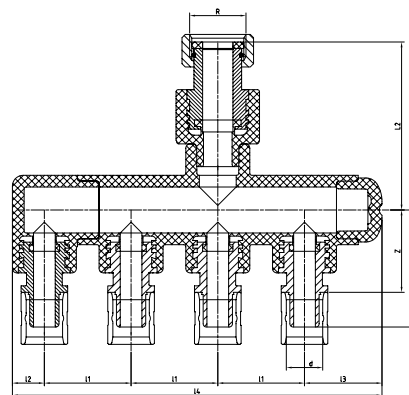
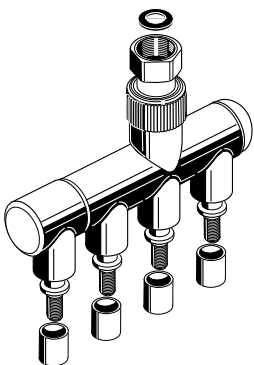
aquatherm grey pipe - UNIVERSAL MANIFOLD TRIPLE

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	54	77,5	40	151,5	1	
78051	16	G1	38	55	73,5	40	169,2	1	

Material: PP-R/brass

Colour: green



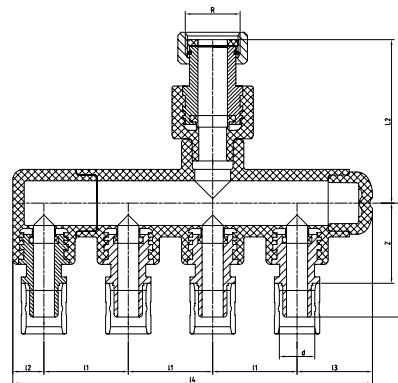
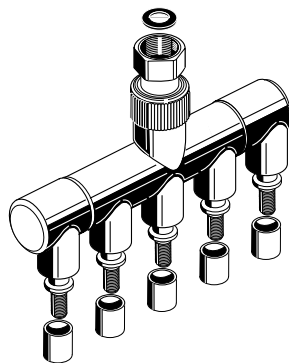
aquatherm grey pipe - UNIVERSAL MANIFOLD FOURFOLD

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	54	77,5	40	170,5	1	
78053	16	G1	38	55	73,5	40	180,5	1	

Material: PP-R/brass

Colour: green



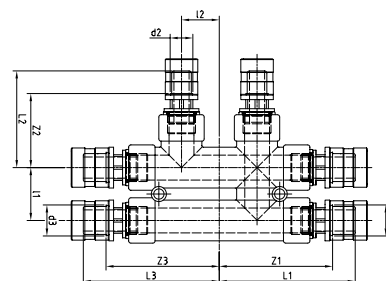
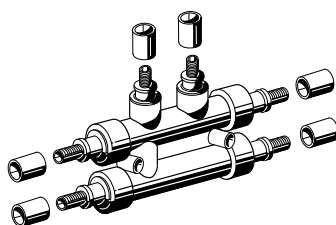
aquatherm grey pipe - UNIVERSAL MANIFOLD FIVEFOLD

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	54	77,5	40	189,5	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	90	49	64	75	90	35	50	1	
78201	20	20	16	73	90	48	65	73	89	35	50	1	
78202	20	16	16	73	90	48	64	73	89	35	50	1	
78204	16	20	16	73	89	48	65	73	89	35	50	1	
78206	16	16	16	73	89	48	64	73	89	35	50	1	
78208	20	20	20	73	90	48	65	73	90	35	50	1	

applicable as distribution end block, including 2 end plugs

Material: PP-R/brass

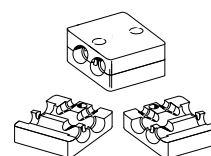
Colour: green

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

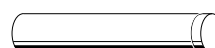


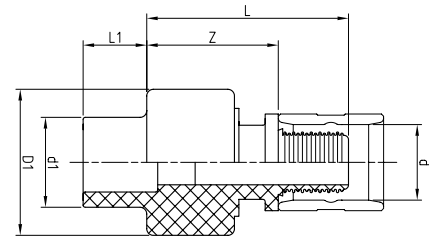
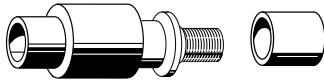
aquatherm grey pipe - END PIECE

for manifold and distribution blocks

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

Material: PB

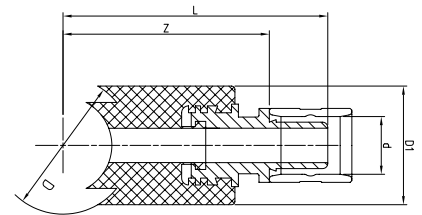
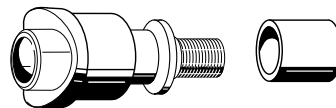




aquatherm grey pipe - ADAPTER
to aquatherm green pipe-fittings including sliding sleeve

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	32,5	31,5	47,5	13	2	
78300	aquatherm green pipe 20 mm x aquatherm grey pipe 16 mm	20	16	32,5	30	46	14,5	2	
78302	aquatherm green pipe 20 mm x aquatherm grey pipe 20 mm	20	20	34,5	30	47	11	2	
78304	aquatherm green pipe 25 mm x aquatherm grey pipe 20 mm	25	20	34,5	30	47	12	2	
78306	aquatherm green pipe 25 mm x aquatherm grey pipe 25 mm	25	25	43,5	35	52	14,6	2	
78308	aquatherm green pipe 32 mm x aquatherm grey pipe 25 mm	32	25	43,5	36	54	16	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	16	60	77	34,5	2	
78404	aquatherm green pipe 40 mm x aquatherm grey pipe 20 mm	40	20	58	75	38,5	2	
78406	aquatherm green pipe 50 mm x aquatherm grey pipe 16 mm	50	16	65	82	32,5	2	
78408	aquatherm green pipe 50 mm x aquatherm grey pipe 20 mm	50	20	64	81	38,5	2	
78410	aquatherm green pipe 63 mm x aquatherm grey pipe 16 mm	63	16	71,5	88,5	34,5	2	
78412	aquatherm green pipe 63 mm x aquatherm grey pipe 20 mm	63	20	70,5	87,5	38,5	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	

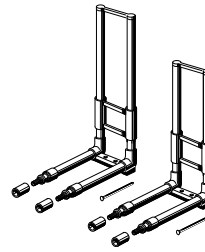


Material: brass

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	

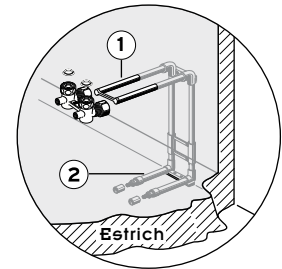
with sliding sleeve connection including sliding sleeves and one fastening plug
 Pipe spacing: 50 mm
 Material: PP-R/brass
 Colour: white



... FOR RADIATOR CONNECTIONS COMING OUT OF THE WALL

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

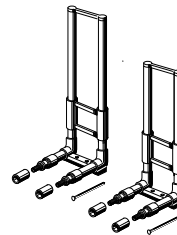
1. Art.-No.: 85120
2. Art.-No.: 79500



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	

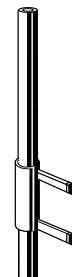
with sliding sleeve connection including sliding sleeves and one fastening plug
 Pipe spacing: 50 mm
 Material: PP-R/brass
 Colour: white



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

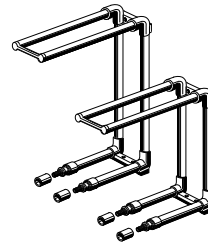
Art.-No.	Dimension	PU	Price € m/pc
79534	aquatherm grey pipe-pipe connection 16 x 2,0 mm radiator connection 15 x 1,0 mm height = 350 mm	1	
79536	aquatherm grey pipe-pipe connection 20 x 2,0 mm radiator connection 15 x 1,0 mm height = 350 mm	1	

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



aquatherm grey pipe - RADIATOR CONNECTING SET

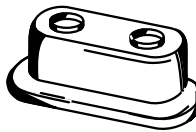
Art.-No.	Dimension	PU	Price € m/pc
79540	aquatherm grey pipe-pipe connection and radiator connection 16 x 2,0 mm height= 260 mm length = 200 mm	1	
79542	aquatherm grey pipe-pipe connection and radiator connection 16 x 2,0 mm height= 180 mm length = 200 mm	1	



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	

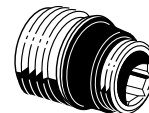


to cover connection pipes coming out of the floor covering
 Material: PA
 Pipe spacing: 50 mm
 Colour: white

aquatherm orange system - RED.-NIPPLE

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

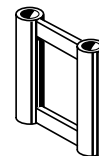
for the connection of radiator valves with compact valve radiators with connection 1/2" F



aquatherm orange system - PROTECTION SLEEVE

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

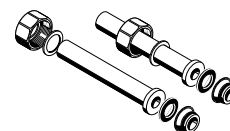
for protection of connection pipes of vertical radiator connection (from the floor) made of PP-R
 - Colour: green
 Pipe spacing: 50 mm



aquatherm orange system - RADIATOR CONNECTION SET

Art.-No.	Dimension	PU	Price € m/pc
83006	16 mm mit Mutter 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

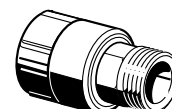


aquatherm orange system - RADIATOR CONNECTION PIECE

with hex shaped threaded connection

Art.-No.	Dimension	PU	Price € m/pc
83306	16xG1/2" AG	10	

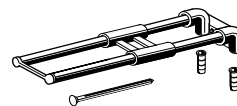
Material: PP-R
 brass thread



aquatherm orange system - CONNECTING BEND

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

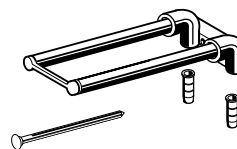
Length: 350 mm
 Including 2 sliding sleeves (Ø 11,7 mm) and 1 fastening plug
 Material: PP-R
 Colour: white
 Connection with two 16 mm welding tools (Art.-No. 50206)
 Suitable distances for fixing at the welding device (Art.-No. 50337) are available



aquatherm orange system - CONNECTING BEND

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

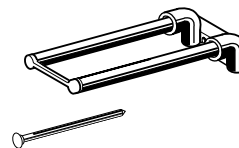
Length: 200 mm
 Including 2 sliding sleeves (Ø 11,7 mm) and 1 fastening plug
 Material: PP-R
 Colour: white
 Connection with two 16 mm welding tools (Art.-No. 50206)
 Suitable distances for fixing at the welding device (Art.-No. 50337) are available



aquatherm orange system - 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

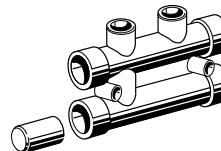


aquatherm orange system - DISTRIBUTION BLOCK

for skirting or floor installation

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

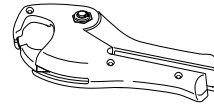
Passage 20 mm, 2 branches, including 1 plug 20 mm
 Material: PP-R
 Colour: green
 Double welding with welding-device (Art.-No. 50337) in connection with two 16 mm and two 20 mm tools is possible.



aquatherm grey pipe - PIPE CUTTER

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

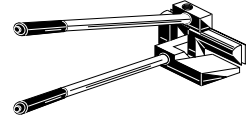
for aquatherm grey pipe- and aquatherm surface heating pipes



aquatherm grey pipe - BENDING TOOL

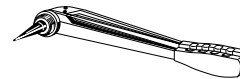
for mounting rail Art.-No. 79090

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



aquatherm grey pipe - EXPANDING TOOL

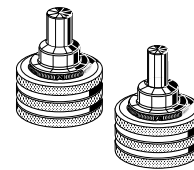
Art.-No.	Dimension	PU	Price € m/pc
50800	for für ø 10-40 mm	1	



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	
50822	32 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	

FALSE JAWS FOR THE aquatherm grey pipe-EXPANDING TOOL

for multi-layer metal composite pipe 16 mm with compression fitting Art.-No. 79612

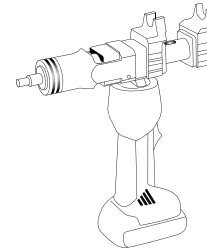
Art.-No.	Dimension	PU	Price € m/pc
50866	16 mm (17 x 2,5 mm)	1	

aquatherm grey pipe - HYDRAULIC ACCUMULATOR MOUNTING TOOL

for aquatherm grey pipe pipes

Art.-No.	Dimension	PU	Price € m/pc
50809	for ø 16-32 mm	1	

with recharger, expanding adapter and plastic suitcase



aquatherm grey pipe - TOOL INSERTS

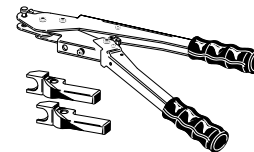
for Hydraulic accumulator aquatherm grey pipe mounting tool Art.-No. 50809

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	

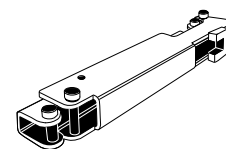
with tools for ø 16 and 20 mm, for the mechanical sliding sleeve connection



aquatherm grey pipe - ANGLE ATTACHMENT

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

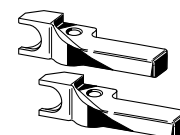
Art.-No.	Dimension	PU	Price € m/pc
50803		1	



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 Set	
50825	14 mm	1 Set	
50826	16 mm	1 Set	
50828	20 mm	1 Set	
50830	25 mm	1 Set	
50832	32 mm	1 Set	
50834	40 mm	1 Set	



aquatherm grey pipe - TOOL CASE

Art.-No.	Dimension	PU	Price € m/pc
50804	forfür 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, 50822 + 50830, 50832) as well as for aquatherm grey pipe multi-layer metal composite pipe (Art.-No. 50857, 50860, 50862) have to be ordered separately.

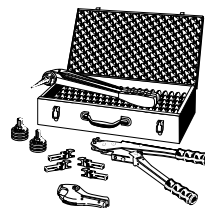
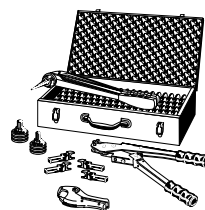
aquatherm grey pipe - TOOL CASE

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 agp mmc pipes, art.-no. 77070-77072 and 77050-77058 the previous sliding sleeves (art.-no. 79990-79998) are used.

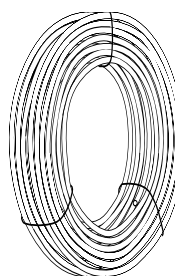
The same applies for the agp potable water connection pipes made of PB with the article-numbers 77000-77040.

aquatherm grey pipe - MULTI LAYER METAL COMPOSITE PIPE

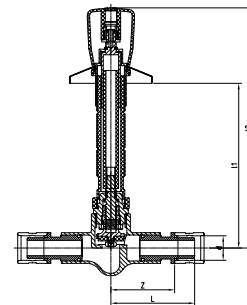
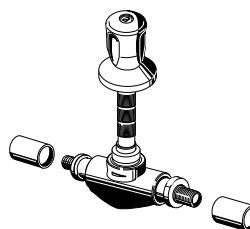
with oxygen barrier

Art.-No.	Dimension	PU	Price € m/pc
777070	16 x 2,0 mm	100	
777072	20 x 2,0 mm	100	
... in length á 5 m			
777050	16 x 2,0 mm	100	
777052	20 x 2,0 mm	65	
777054	25 x 3,0 mm	45	
777056	32 x 3,0 mm	35	
... in length á 4 m			
777058	40 x 3,5 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.

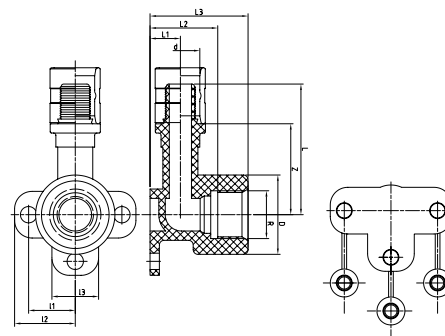
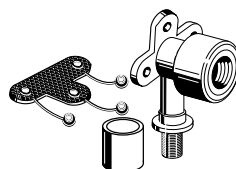


aquatherm grey pipe - CONCEALED STOP VALVE

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	71	139,5	203,5	1	

suitable for construction depth from 55 mm - 100 mm



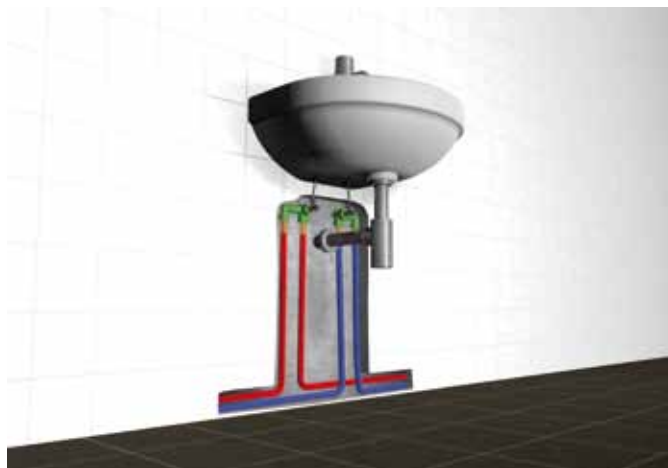
aquatherm grey pipe - BACK PLATE ELBOW

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	39	56	13	29	42	20	26	20,0	1	
779002	20	G3/4	40	42	59	13	29	42	25	31	20,0	1	
779004	20	G1/2	34	39	56	13	29	42	20	26	20,0	1	
779006	25	G3/4	33	36	54	27	29	48	20	26	20,0	1	

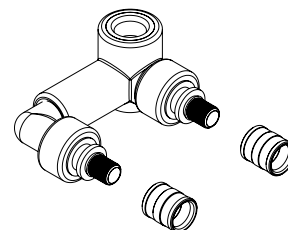
Material: PPSU/brass | including acoustic panel (PP) | proper to sound insulation plate Art.-No. 79080

NEW PRINCIPLE OF FLOW-THROUGH BACK PLATE ELBOW



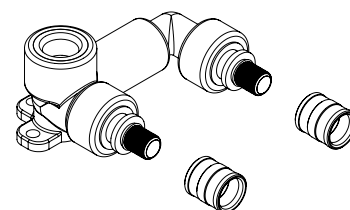
NEW aquatherm grey pipe - FLOW-THROUGH BACK PLATE ELBOW LEFT

Art.-No.	Dimension	PU	Box unit	Price € m/pc
779014	16mm x 1/2"IG left	1		
779018	20mm x 1/2"IG left	1		



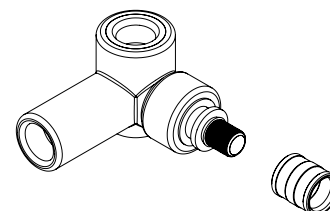
NEW aquatherm grey pipe - FLOW-THROUGH BACK PLATE ELBOW RIGHT

Art.-No.	Dimension	PU	Box unit	Price € m/pc
779012	16mm x 1/2"IG right	1	4	
779016	20mm x 1/2"IG right	1	4	



NEW aquatherm grey pipe - FLOW-THROUGH BACK PLATE ELBOW LEFT

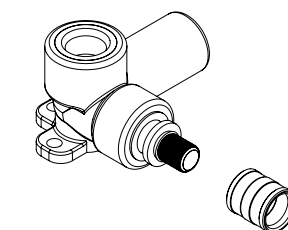
Art.-No.	Dimension	PU	Box unit	Price € m/pc	Preis € m/St
778362	aquatherm green pipe 20 mm x aquatherm grey pipe 16 mm	1/2"	1	4	
778366	aquatherm green pipe 20 mm x aquatherm grey pipe 20 mm	1/2"	1	4	



For the production of the aquatherm grey pipe flow-through back plate elbow left Art.-No. 779014 or 779018 the aquatherm grey pipe opposite elbows male/female 778330 (16mm) or 778332 (20mm) have to be used.

NEW aquatherm grey pipe - FLOW-THROUGH BACK PLATE ELBOW RIGHT

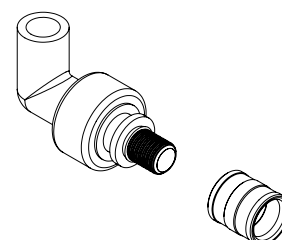
Art.-No.	Dimension	PU	Box unit	Price € m/pc	Preis € m/St
778360	aquatherm green pipe 20 mm x aquatherm grey pipe 16 mm	1/2"	1	4	
778364	aquatherm green pipe 20 mm x aquatherm grey pipe 20 mm	1/2"	1	4	



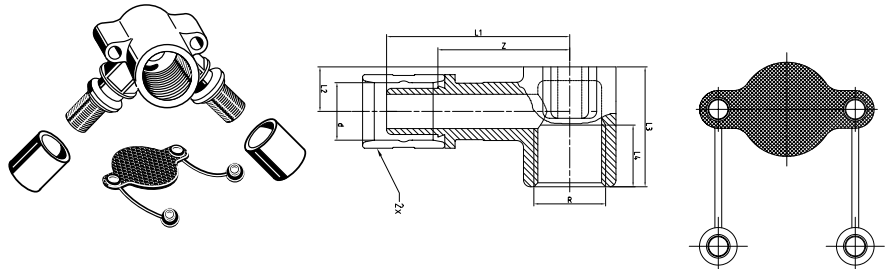
For the production of the aquatherm grey pipe flow-through back plate elbow left Art.-No. 779012 or 779016 the aquatherm grey pipe opposite elbows male/female 778330 (16mm) or 778332 (20mm) have to be used.

NEW aquatherm grey pipe - FLOW-THROUGH COUNTER ELBOW

Art.-No.	Dimension	PU	Box unit	Price € m/pc
778330	aquatherm green pipe 20 mm x aquatherm grey pipe 16 mm	1	4	
778332	aquatherm green pipe 20 mm x aquatherm grey pipe 20 mm	1	4	



aquatherm grey pipe

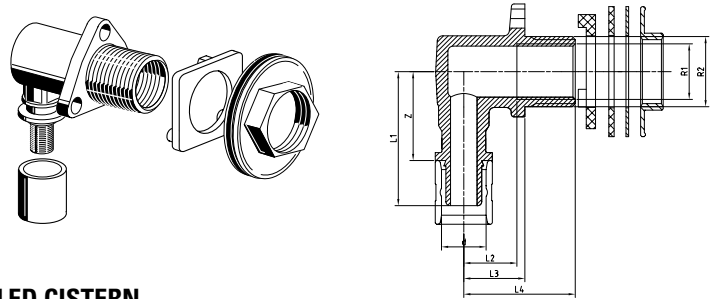


aquatherm grey pipe - BACK PLATE ELBOW, TWIN

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	38,5	53,5	13	35	G1/2	18	51	4	

Material: brass
including acoustic panel (PP)

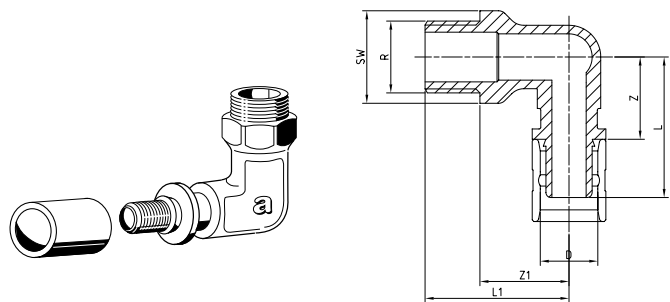


aquatherm grey pipe - CONNECTING ELBOW FOR CONCEALED CISTERN

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	33,5	50,5	20	23	G1/2	42	51	1	

Material: brass
including counternut, gasket and spring washer

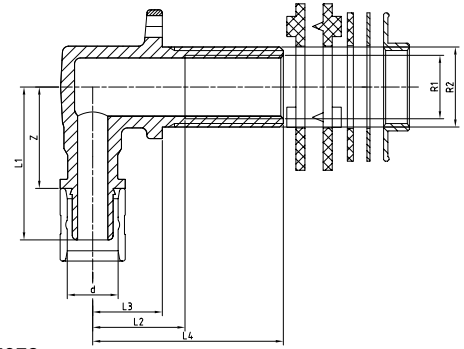
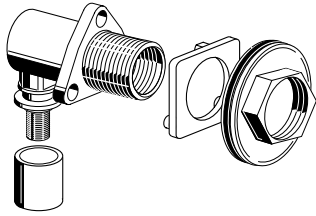


aquatherm grey pipe - TRANSITION ELBOW

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	26	41	42	24	2	
779032	20	G1/2	24	26	41	42	24	2	
779033	20	G3/4	25,5	21	42,5	38	-	2	
779034	25	G3/4	26	21	44	38	-	2	
779036	32	G3/4	30	20	51	38	-	2	
779038	32	G1	33	29	54	47	-	2	
779039	40	G1 1/4	42	35	36	73	42	1	

Material: brass

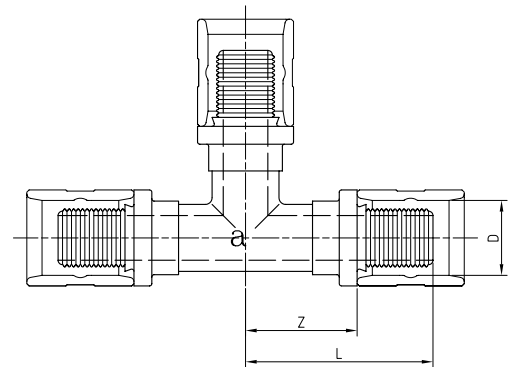
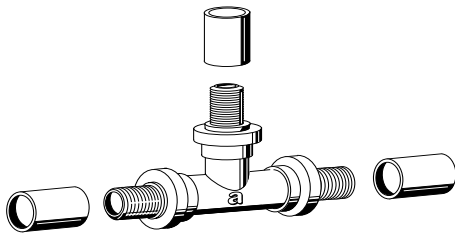


aquatherm grey pipe - CONNECTING ELBOW

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	33,5	50,5	G3/4	30,5	23	63	2	

Material: brass
including counternut, gasket and 2 spring washers

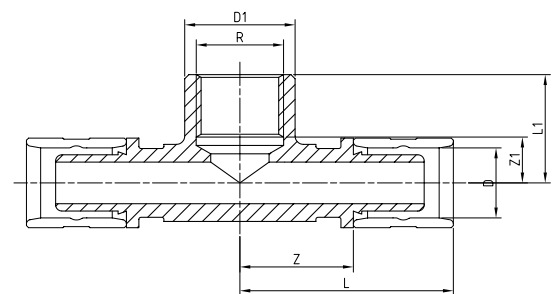
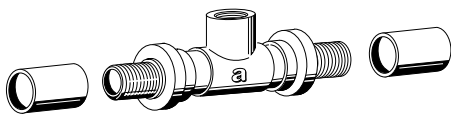


aquatherm grey pipe - TEE

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

Art.-No.	d	Z	L	PU	Price € m/pc
779100	16	25	42	2	
779102	20	24	41	2	
779104	25	27	45	2	
779106	32	33,8	54,8	2	
779108	40	42	73	2	

Material: PPSU/brass

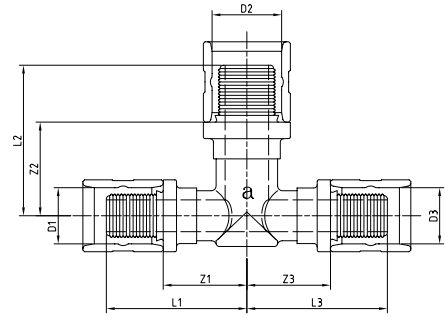
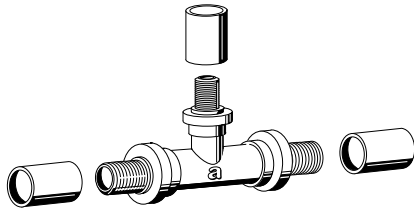


aquatherm grey pipe - TEE WITH FEMALE THREAD

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	27,3	44,3	26,5	26	11	2	
779162	20	G1/2	26,3	43,3	26,3	26	11	2	
779163	25	G1/2	30	54	32	28	9	2	
779164	25	G3/4	31	48	32	28	11	2	
779165	32	G1/2	31	58	32	30,3	10,5	1	
779166	32	G3/4	31	52	32	30	13	1	
779168	40	G1	42,3	77,3	42	38,3	18,3	1	

Material: brass

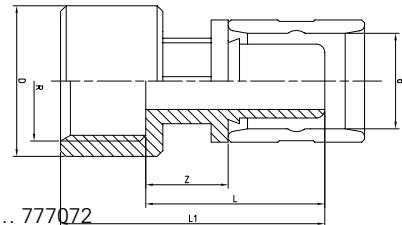
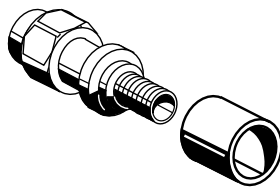


aquatherm grey pipe - REDUCING TEE

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	42	28	45	25	42	2	
779112	20	16	16	25	42	25	42	25	42	2	
779114	20	16	20	25	42	25	42	25	42	2	
779116	20	20	16	25	42	25	42	25	42	2	
779118	25	20	25	27	45	28	45	27	45	2	
779120	25	20	20	27	45	28	45	28	45	2	
779122	25	20	16	27	45	28	45	28	45	2	
779123	25	16	25	27	45	28	45	27	45	2	
779124	25	16	20	27	45	28	45	28	45	2	
779126	20	25	20	28	45	27	45	28	45	2	
779128	20	32	20	37,8	54,8	33,8	54,8	37,8	54,8	1	
779130	25	32	25	36,8	54,8	33,8	54,8	36,8	54,8	1	
779132	32	16	32	33,8	54,8	37,8	54,8	33,8	54,8	1	
779134	32	20	20	33,8	54,8	37,8	54,8	37,8	54,8	1	
779136	32	20	32	33,8	54,8	37,8	54,8	33,8	54,8	1	
779138	32	25	25	33,8	54,8	36,8	54,8	36,8	54,8	1	
779140	32	25	32	33,8	54,8	36,8	54,8	33,8	54,8	1	
779142	32	32	20	33,8	54,8	33,8	54,8	37,8	54,8	1	
779144	32	32	25	33,8	54,8	33,8	54,8	36,8	54,8	1	
779146	32	16	25	33,8	54,8	37,8	54,8	36,8	54,8	1	
779148	32	25	20	33,8	54,8	36,8	54,8	37,8	54,8	1	
779150	32	20	25	33,8	54,8	37,8	54,8	36,8	54,8	1	
779152	32	16	20	33,8	54,8	37,8	54,8	37,8	54,8	1	
779156	40	20	40	42	73	38,5	42	42	73	1	
779158	40	25	40	42	73	39,9	42	42	73	1	
779159	40	32	40	42	73	38,5	42	42	73	1	

aquatherm grey pipe



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	14,5	31,5	46,5	26,5	2	
779184	20	G1/2	14,5	31,5	46,5	26,5	2	
779186	20	G3/4	14,5	31,5	48,5	32,5	2	
779188	25	G3/4	16,5	34,5	51,5	32,5	2	
779190	32	G3/4	20	41	58	32,5	2	
779192	32	G1	20	41	60	40	2	
779194	40	G1 1/4	27,5	58	82	52	1	

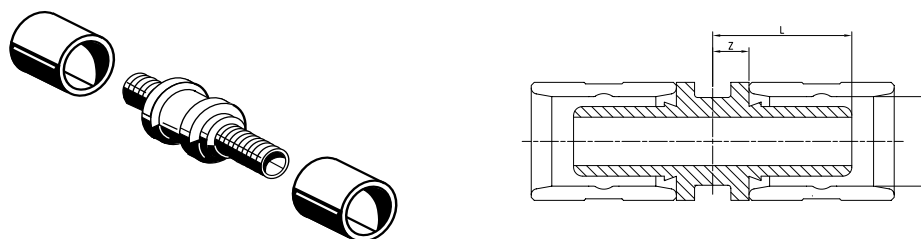
Material: brass

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
779200	16	G1/2	11,5	28,5	44,5	2	
779202	20	G1/2	11,5	28,5	44,5	2	
779203	20	G3/4	12,5	29,5	45,5	2	
779204	25	G3/4	14,5	31,5	47,5	2	
779205	25	G1/2	11,5	29,5	45,5	2	
779206	32	G3/4	14,5	35,5	51,5	2	
779207	40	G1 1/4	23,5	55	74,5	1	
779208	32	G1	17	38	58	2	

Material: brass

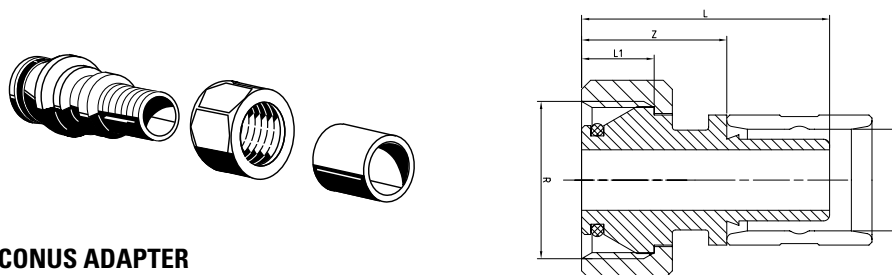


aquatherm grey pipe - COUPLING

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

Art.-No.	d	Z	L	PU	Price € m/pc
779210	16	6	23	2	
779212	20	6	23	2	
779214	25	7,3	25,3	2	
779216	32	9	30	2	
779218	40	14,5	45,5	2	

Material: brass

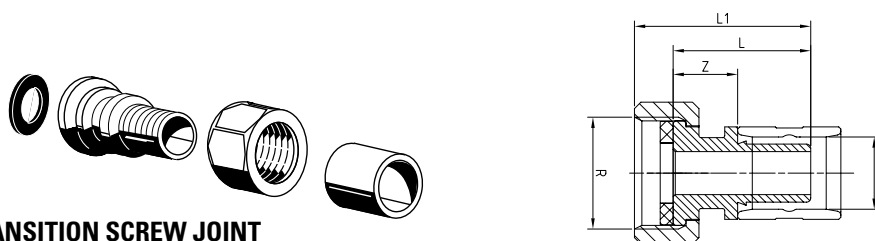


aquatherm grey pipe - EUROCONUS ADAPTER

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	41	12	2	
779222	20	G3/4	30	47	15	2	

Material: brass
for customary manifolds/joints

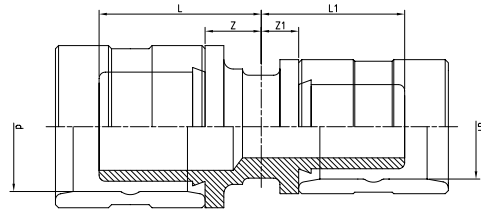
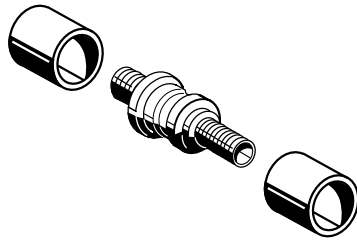


aquatherm grey pipe - TRANSITION SCREW JOINT

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	32	41	2	
779232	20	G1	15,5	32,5	45	2	
779240	20	G3/4	22	39	48	2	
779242	25	G1	28	46	57,5	1	
779244	32	G1 1/4	29	50	62	1	
779246	40	G1 1/2	36	67	82	1	

Material: brass

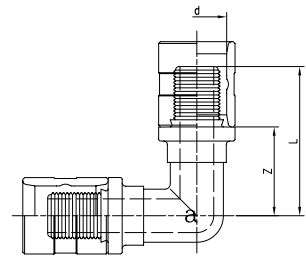
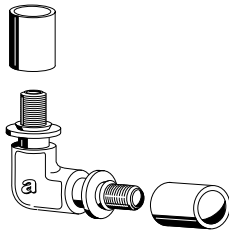


aquatherm grey pipe - REDUCING COUPLING

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	26	6	23	2	
779252	25	20	10	28	6	23	2	
779254	25	16	10	28	6	23	2	
779256	32	25	11,3	32,3	7,3	25,3	1	
779258	32	20	10,8	31,8	6,3	23,3	1	
779260	32	16	11	32	6	23	1	
779268	40	32	16,8	47,8	8,3	29,3	1	
779270	40	25					1	

Material: brass

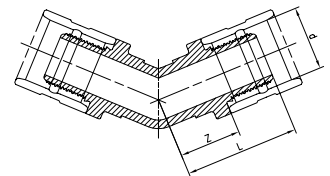
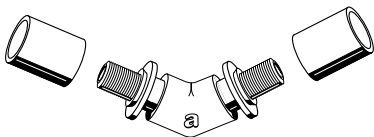


aquatherm grey pipe - ELBOW 90°

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

Art.-No.	d	Z	L	PU	Price € m/pc
779300	16	25	42	2	
779302	20	25	42	2	
779304	25	27	45	2	
779306	32	33,8	54,8	1	
779308	40	42,3	73,3	1	

Material: PPSU/brass

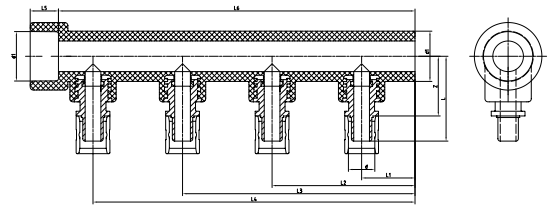
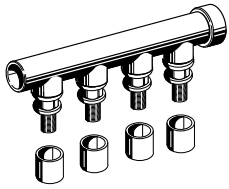


aquatherm grey pipe - ELBOW 45°

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

Art.-No.	d	Z	L	PU	Price € m/pc
779322	20	20	37	2	
779324	25	22	40	2	
779326	32	26,3	47,3	2	
779328	40	31	62	1	

Material: PPSU/brass

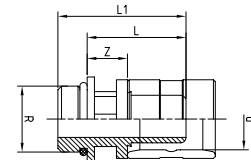
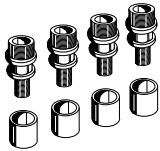


aquatherm grey pipe - FOUR-PORT MANIFOLD

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	54	34	91	148	205	18	227	2	

Material: PP-R/brass
Colour: green

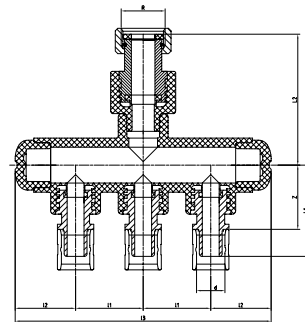
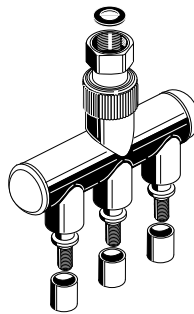


aquatherm grey pipe - SLIDING SLEEVE CONNECTIONS

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

Art.-No.	Dimension	d	R	Z	L	L1	PU	Price € m/pc
778010	Screwed insert m 18 x 1,5 mm with sliding sleeve connection 16 x 2,0 mm	16	M18x1,5	11,5	28,5	36	4	
778012	Screwed insert m 18 x 1,5 mm with sliding sleeve connection 20 x 2,0 mm	20	M18x1,5	11,5	28,5	36	4	

Material: brass

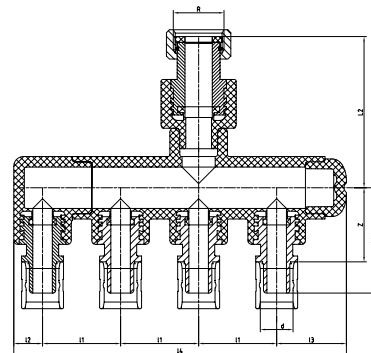
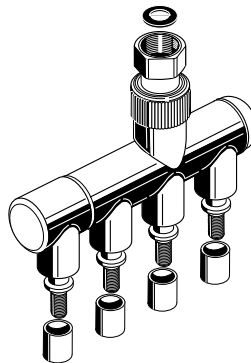


aquatherm grey pipe - UNIVERSAL MANIFOLD TRIPLE

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

Art.-No.	d	R	Z	L1	L2	l1	l2	PU	Price € m/pc
778050	16	G3/4	38	54	77,5	40	151,5	1	
778051	16	G1	38	55	73,5	40	169,2	1	

Material: PP-R/brass
Colour: green

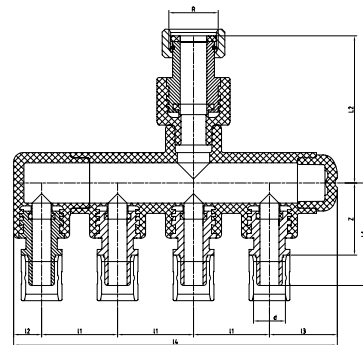
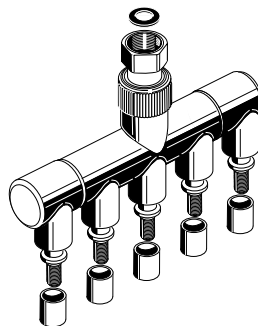


aquatherm grey pipe - UNIVERSAL MANIFOLD FOURFOLD

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

Art.-No.	d	R	Z	L1	L2	l1	l2	PU	Price € m/pc
778052	16	G3/4	38	54	77,5	40	170,5	1	
778053	16	G1	38	55	73,5	40	180,5	1	

Material: PP-R/brass
Colour: green

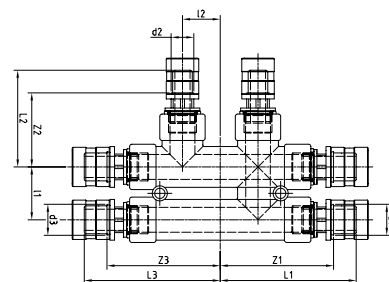
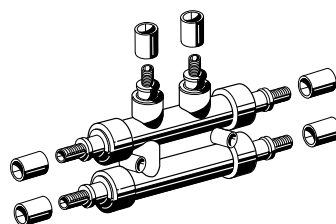


aquatherm grey pipe - UNIVERSAL MANIFOLD FIVEFOLD

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	54	77,5	40	189,5	1	

Material: PP-R/brass
Colour: green



aquatherm grey pipe - DISTRIBUTION BLOCK

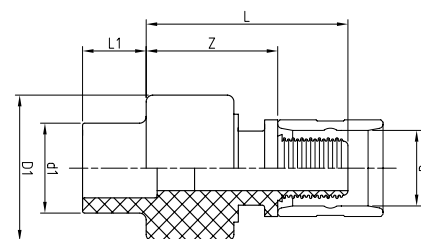
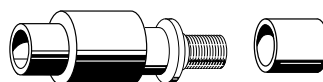
with sliding sleeve connection including sliding sleeves - for aquatherm grey pipe Art.-No. 777050 ... 777072

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



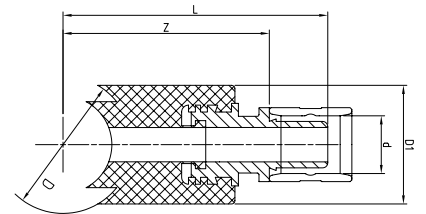
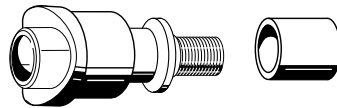
aquatherm grey pipe - ADAPTER

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	32,5	31,5	47,5	13	2	
778300	aquatherm green pipe 20 mm x aquatherm grey pipe 14 mm	20	16	32,5	30	46	14,5	2	
778302	aquatherm green pipe 20 mm x aquatherm grey pipe 16 mm	20	16	32,5	30	46	14,5	2	
778304	aquatherm green pipe 20 mm x aquatherm grey pipe 20 mm	20	20	34,5	30	47	11	2	
778306	aquatherm green pipe 25 mm x aquatherm grey pipe 20 mm	25	20	34,5	30	47	12	2	
778308	aquatherm green pipe 25 mm x aquatherm grey pipe 25 mm	25	25	43,5	35	52	14,6	2	
778310	aquatherm green pipe 32 mm x aquatherm grey pipe 25 mm	32	25	43,5	36	54	16	1	
778312	aquatherm green pipe 40 mm x aquatherm grey pipe 32 mm	40	32	57,5	44	65	20,5	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

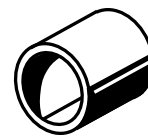
Art.-No.	Dimension	D	d	Z	L	D1	PU	Price € m/pc
778402	aquatherm green pipe 40 mm x aquatherm grey pipe 16 mm	40	16	60	77	34,5	2	
778404	aquatherm green pipe 40 mm x aquatherm grey pipe 20 mm	40	20	58	75	38,5	2	
778406	aquatherm green pipe 50 mm x aquatherm grey pipe 16 mm	50	16	65	82	32,5	2	
778408	aquatherm green pipe 50 mm x aquatherm grey pipe 20 mm	50	20	64	81	38,5	2	
778410	aquatherm green pipe 63 mm x aquatherm grey pipe 16 mm	63	16	71,5	88,5	34,5	2	
778412	aquatherm green pipe 63 mm x aquatherm grey pipe 20 mm	63	20	70,5	87,5	38,5	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	

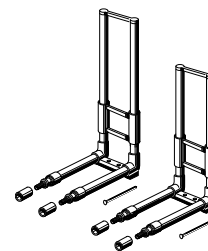


Material: brass

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	

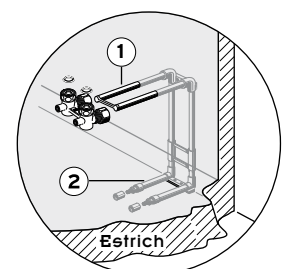


with sliding sleeve connection including sliding sleeves and one fastening plug
Pipe spacing: 50 mm
Material: PP-R/brass
Colour: white

... 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

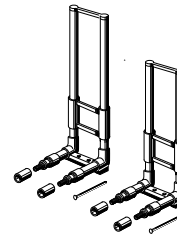


aquatherm grey pipe - CONNECTING BEND*...

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	

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

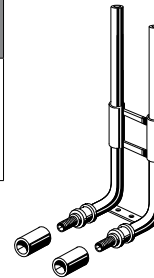


aquatherm grey pipe - METAL CONNECTING BEND

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

Art.-No.	Dimension	PU	Price € 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	

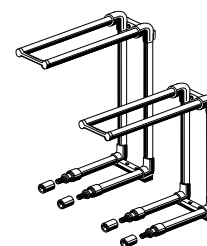
with sliding sleeve connections including sliding sleeves
Material: copper nickel-plated



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.

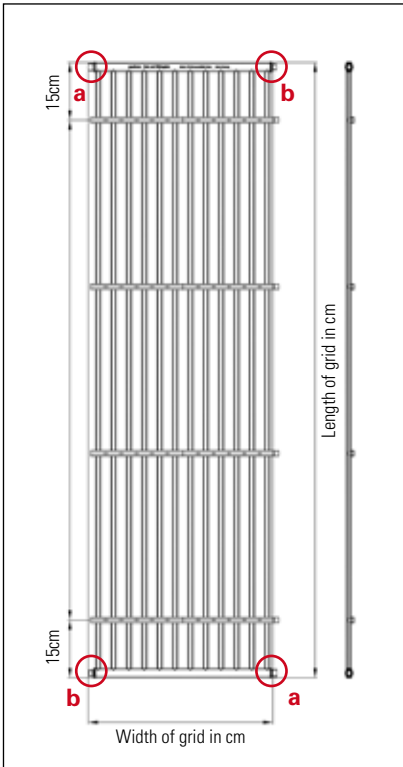
ADVANTAGES:

- ▶ 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-aquatherm black is exclusively made from fusiolen® 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.

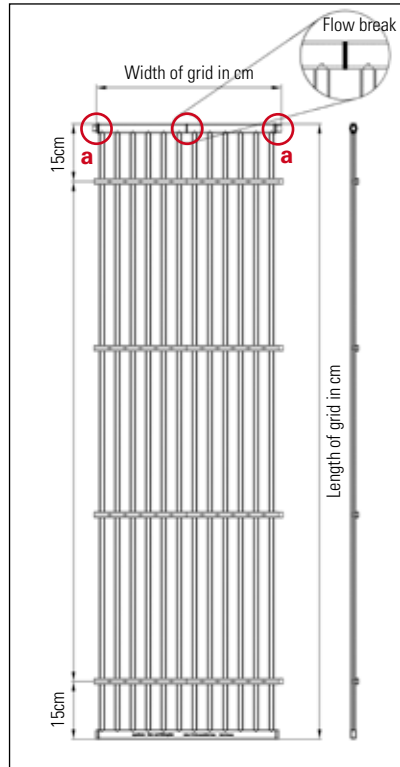


TYPES OF CONNECTION aquatherm black system - HEATING AND COOLING GRIDS



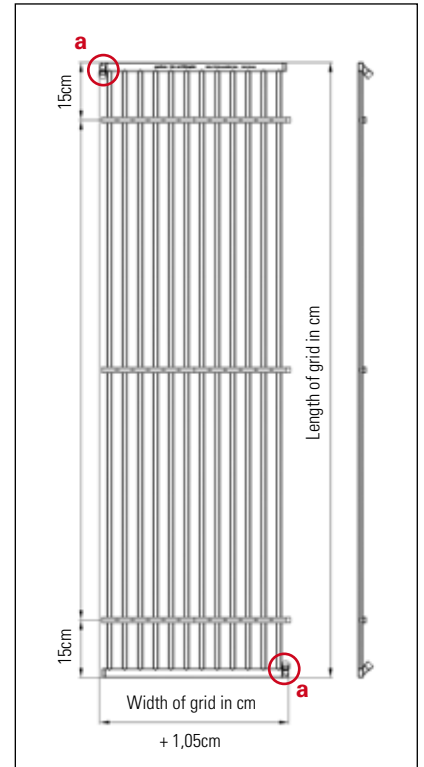
Connection type 50 = side by side welded connections

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



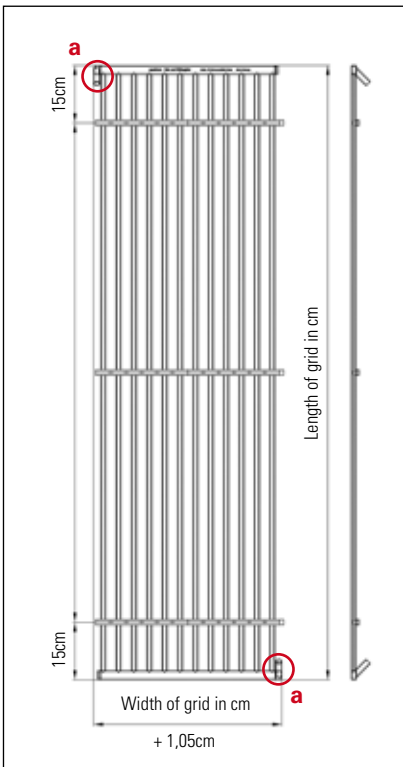
Connection type 64 = welded connection left, right

- a** Welding socket 16mm



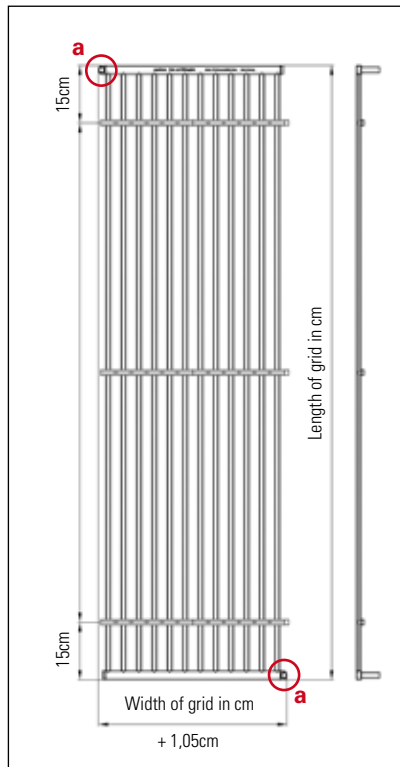
Connection type 59 = welded connection 45° top left, lower right

- a** Welding socket 16mm



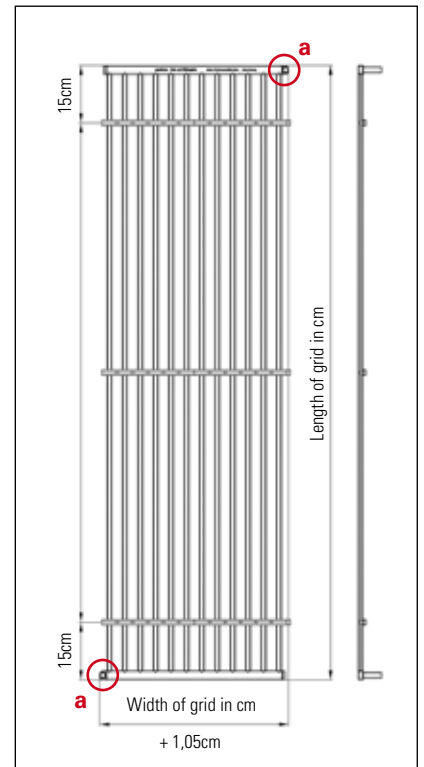
Connection type 51 = plug connection 45° top left, lower right

- a** plug socket 16mm



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

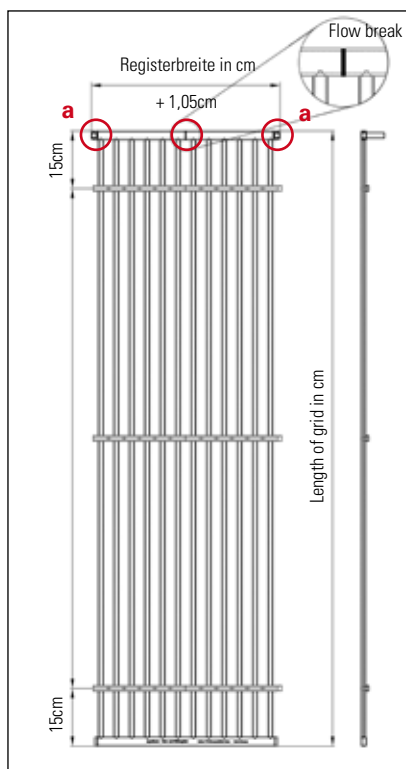
- a** plug socket 16mm



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

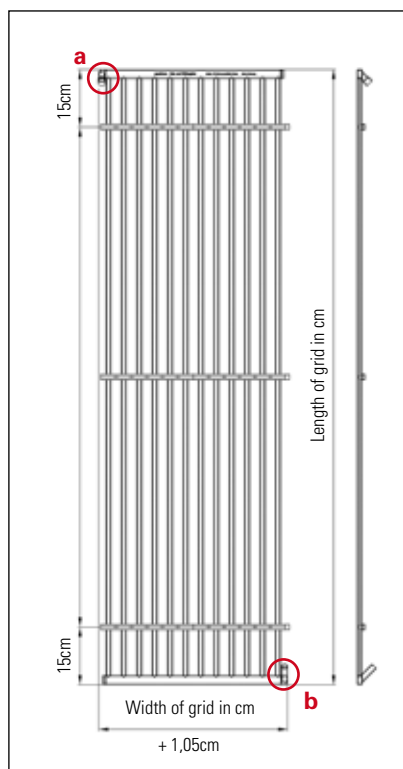
- a** plug socket 16mm

TYPES OF CONNECTION aquatherm black system - HEATING AND COOLING GRIDS



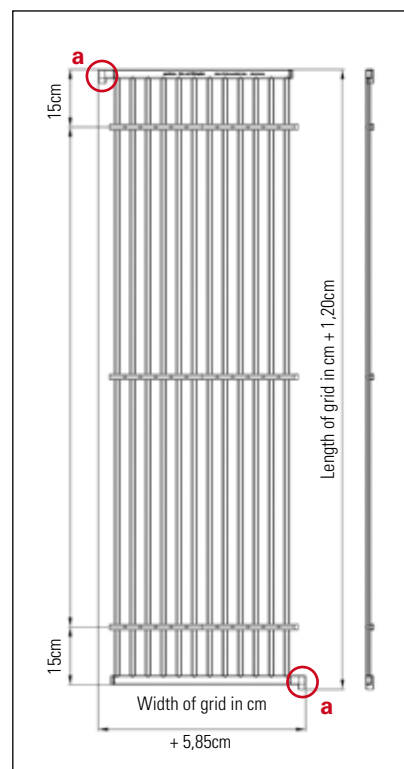
Connection type 62 = plug connection 90° links, rechts

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	Width of grids	Length of grids
50 = DD Welding connection AX	24 cm	40 cm
64 = DD Welding connection LR with flow break	28 cm	50 cm
51 = 45° Plug connection TL/LR	32 cm	60 cm
58 = 45° Welding connection TL / Plug connection LR	36 cm	70 cm
59 = 45° Welding connection TL /LR	40 cm	80 cm
52 = 90° Plug connection TL/LR	48 cm	90 cm
53 = 90° Plug connection TR/LL	56 cm	100 cm
62 = 90° Plug connection LR with flow break	60 cm	120 cm
	68 cm	140 cm
	80 cm	160 cm
56 = Weldable connecting elbow TL/LR*	100 cm	180 cm
		200 cm
		225 cm
		250 cm
		275 cm
		300 cm
		325 cm
		350 cm
		375 cm
		400 cm
		425 cm
		450 cm
		475 cm
		500 cm

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

aquatherm black system - HEATING AND COOLING GRIDS

with oxygen barrier, with lateral welding connection (including proportionate number of wall brackets and fixing rails)

Art.-No.	Wide/m	Length/m	Area/m ²	PU	Price € m/pc
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	
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	
5032050	0,32	0,50	0,16	1	
5032060	0,32	0,60	0,19	1	



Attention:

As mentioned on page 106 & 107 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. „51“....).

Special size on request!

aquatherm black system - HEATING AND COOLING GRIDS

with oxygen barrier, with lateral welding connection (including proportionate number of wall brackets and fixing rails)

Art.-No.	Wide/m	Length/m	Area/m ²	PU	Price € m/pc
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	
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	



Attention:

As mentioned on page 106 & 107 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. „51“....).

Special size on request!

aquatherm black system - HEATING AND COOLING GRIDS

with oxygen barrier, with lateral welding connection (including proportionate number of wall brackets and fixing rails)

Art.-No.	Wide/m	Length/m	Area/m ²	PU	Price € m/pc
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	
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	
5056050	0,56	0,50	0,28	1	
5056060	0,56	0,60	0,34	1	



Attention:

As mentioned on page 106 & 107 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. „51“....).

Special size on request!

aquatherm black system - HEATING AND COOLING GRIDS

with oxygen barrier, with lateral welding connection (including proportionate number of wall brackets and fixing rails)

Art.-No.	Wide/m	Length/m	Area/m ²	PU	Price € m/pc
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	
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	
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	



Attention:

As mentioned on page 106 & 107 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. „51“...).

Special size on request!

aquatherm black system- HEATING AND COOLING GRIDS

with oxygen barrier, with lateral welding connection (including proportionate number of wall brackets and fixing rails)

Art.-No.	Wide/m	Length/m	Area/m ²	PU	Price € m/pc
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	
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	
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	



Attention:

As mentioned on page 106 & 107 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. „51“....).

Special size on request!

aquatherm black system - HEATING AND COOLING GRIDS

with oxygen barrier, with lateral welding connection (including proportionate number of wall brackets and fixing rails)

Art.-No.	Wide/m	Length/m	Area/m ²	PU	Price € m/pc
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	



Attention:

As mentioned on page 106 & 107 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. „51“...).

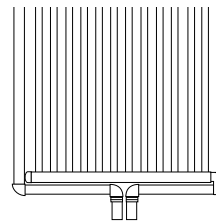
Special size on request!

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

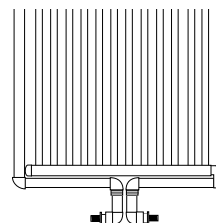


aquatherm black system - DRY WALL HEATING ELEMENT

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	2	
5663100	62,5 x 100 cm	48 cm x 87 cm	2	
5663200	62,5 x 200 cm	48 cm x 187 cm	2	

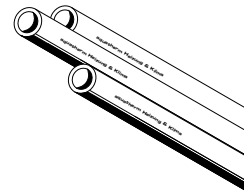
Connection: aquatherm grey pipe- sliding sleeve technology



aquatherm black system - PP-GRID CONNECTION PIPE

with oxygen barrier, in 2,5 m lengths

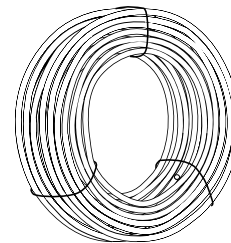
Art.-No.	Dimension	PU	Price € m/pc
81006	16 mm	50	
81008	20 mm	50	



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	

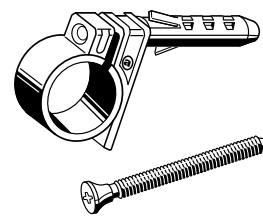


PLASTIC PIPE CLAMPS

suitable for ø 16 mm pipes

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

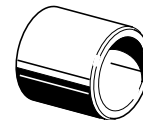
Colour: antrazit



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

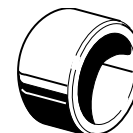
Art.-No.	Dimension	PU	Price € m/pc
81060	16 mm	10	



aquatherm black system- END CAP

for heating and cooling grids

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



aquatherm black system - ELBOW 90°

male/female

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



aquatherm black system - JOINT ADHESIVE

for aquatherm black system - dry wall heating element

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

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

aquatherm black system - FIXING RAIL

for heating and cooling grids

Art.-No.	Dimension	PU	Price € m/pc
81506	Length Länge = 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	



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

with oxygen barrier, with plug connection on side

Art.-No.	Dimension	PU	Price € m/pc
5160061	for ceiling panels 62,5 x 62,5 cm	10	
5156058	for ceiling panels 60 x 60 cm	10	



Special size on request!

aquatherm black system - CORRUGATED CONNECTING PIPE

with oxygen barrier, in ring

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



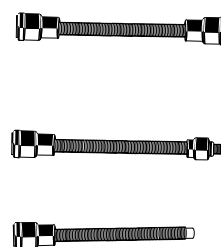
Connectable by welding with Art. 81288, 81289, 81290, 81291 separable every 25 cm

aquatherm black system - CORRUGATED CONNECTING PIPE

with oxygen barrier, for Art.-No. 5161061 and 5157058

Art.-No.	Dimension	PU	Price € m/pc
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	

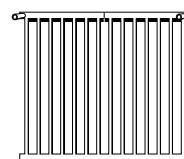
with safety pin



aquatherm black system - 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.

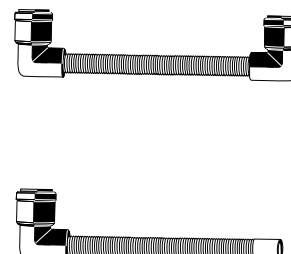
Special size on request!

aquatherm black system - CORRUGATED CONNECTING PIPE

with oxygen barrier, for connection types 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			
81034			
81035	L 1,5m with elbow double sided push-fit connection	1	
81036	L 1,75m with elbow double sided push-fit connection	1	

with safety pin



aquatherm black system - THERMOGRAPHY FILM

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

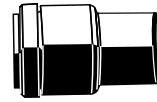
Art.-No.	Dimension	PU	Price € m/pc
50186	160 x 70 mm	1	

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

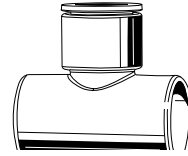


aquatherm black system - T-ADAPTER

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

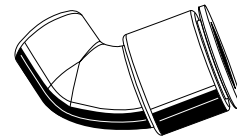


aquatherm black system - 90° ELBOW-ADAPTER

onesided plugable / onesided PP-R 16 mm weldable

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

with safety pin

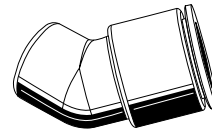


aquatherm black system - 45° ELBOW-ADAPTER

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 - SEALING PLUG

for wall and ceiling grids

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

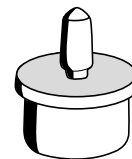
welding tool for sealing plug Art.-No. 50285 see tools



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 - DOUBLE SOCKET

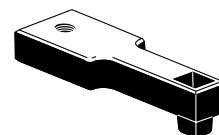
calibrated pipe nipple for connection of plug adapter

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

aquatherm black system - WELDING TOOL

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

for sealing plug Art.-No. 81091





aquatherm orange system HEATING 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
- sprinkler systems



Flexible sports floor



Open space heating



Industrial floor heating



Chilled area, ice stadium



Underfloor heating living area



Undersoil pitch heating

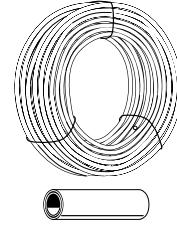


aquatherm orange system - SURFACE HEATING AND RADIATOR CONNECTING PIPE (PE-RT)

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

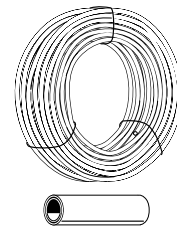


aquatherm orange system - SURFACE HEATING AND RADIATOR CONNECTING PIPE (PB)

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	

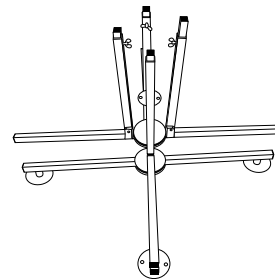
Material: PB with EVOH coating
oxygen barrier according to DIN 4726/4727/16968
Colour: grey



aquatherm orange system - PIPE HASP

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

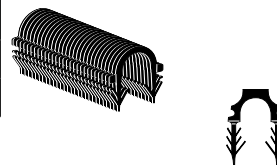
for winding the heating pipe



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 Tackfix tacker	500	

for aquatherm orange system - underfloor heating pipes
Material: Polyamid



aquatherm orange system - TACKFIX TACKER

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

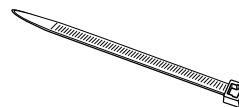
Note: Applicable with Art.- No 90504
for fixing of heating pipe with pipe clips on the aquatherm orange system -system elements



aquatherm orange system - CABLE TIE

for industrial surface heating

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

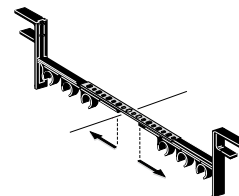


aquatherm orange system - PIPE GUIDING RAIL

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



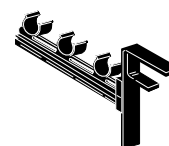
aquatherm orange system - END RAIL

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

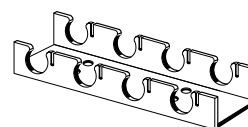


aquatherm orange system - PROFILE RAIL

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

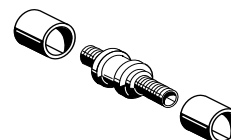


aquatherm orange system - COUPLING

for wall and surface heating for PE-RT and PB pipes, including sliding sleeve

Art.-No.	Dimension	PU	Price € m/pc
95500	10 mm	1	

Material: brass

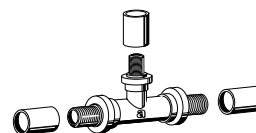


aquatherm orange system - REDUCER TEE

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

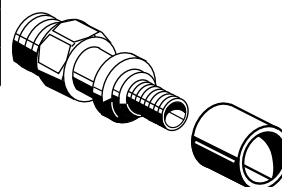


aquatherm orange system - TRANSITION PIECE, MALE

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

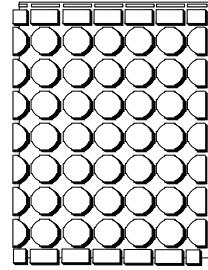
for surface heating

Art.-No.	Dimension	PU	Price € m/pc
91039	L = 1005 mm, W = 750 mm, H = 25 mm	17 m ²	

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

RλB Dä = 0,714 m² K/W

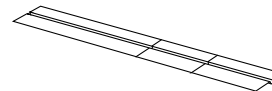


aquatherm orange system - HEAT CONDUCTING STEEL SHEET

for installation into system element TS 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 m ²	

Just for ø14 and ø16 mm pipe

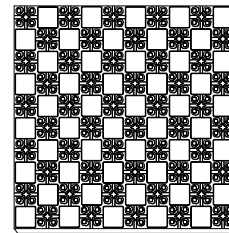
Material: EPS-035-DEO dh

- Knob spacing: 50 mm for installation without pipe clips
- sound insulation

RλB Dä = 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 m ²	

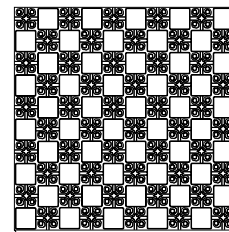
Just for ø14 and ø16 mm pipe

- Knob spacing: 50 mm for installation without pipe clips
- sound insulation

RλB Dä = 0,75 m² K/W

Insulation thickness: = 30 mm

Total thickness including knobs = 49 mm



aquatherm orange system - SYSTEM ELEMENT VALUFIX-ROLL 30-2

Art.-No.	Dimension	PU	Price € m/pc
91033	L = 10000 mm, W = 1000 mm, H = 30 mm	10 m ²	

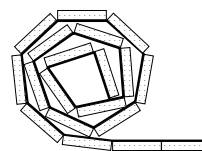
Material: EPS 040 DES sg - DIN 13163

with:

- cloth-lined covering layer, protected against corrosion
- imprinted screen for placing
- impact sound insulation $R_{\lambda,B} D_{\dot{a}} = 0,75 \text{ m}^2 \text{ K/W}$

Working load: 5 kPa

Improved impact sound insulation: 28 dB



aquatherm orange system - SYSTEM ELEMENT VALUFIX-ROLL 35-3

Art.-No.	Dimension	PU	Price € m/pc
91035	L = 10000 mm, W = 1000 mm, H = 30 mm	10 m ²	

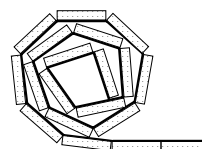
Material: EPS-045-DES sm - DIN 13163

with:

- cloth-lined covering layer, protected against corrosion
- imprinted screen for placing
- impact sound insulation $R_{\lambda,B} D_{\dot{a}} = 0,75 \text{ m}^2 \text{ K/W}$

Working load: 4 kPa

Improved impact sound insulation: 29 dB



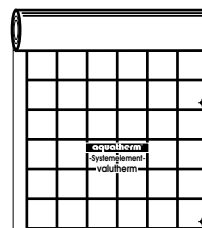
aquatherm orange system - SYSTEM ELEMENT VALUTHERM

Art.-No.	Dimension	PU	Price € m/pc
91010	W = 1080 mm	50 m ²	

System element consisting of:

- mutual corrosion protection layer
- imprinted screen for placing
- cloth-lined covering layer (acc.to DIN 18560 with min. 80 mm overlap)

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



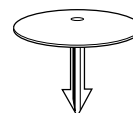
aquatherm orange system - PLASTIC NAIL

for fixing of the system element valutherm aluminium grid foil

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

Material: polyamide

Requirement: 2 Pcs/m²

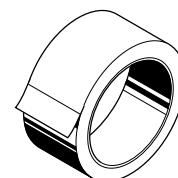


aquatherm orange system - ADHESIVE TAPE

for sealing of joint gaps in system elements

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

Requirement 1m/m²

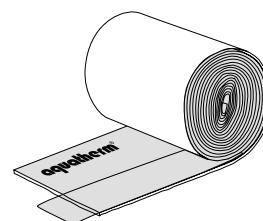


aquatherm orange system - EDGE INSULATION

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

Material: PE- foam

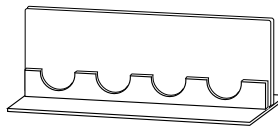
- very low flammability
- with covering foil including self-adhesive strip



aquatherm orange system - EXPANSION JOINT SECTION

double-sided overlay

Art.-No.	Dimension	PU	Price € m/pc
91107	height = 100 mm, thickness = 8 mm	20	



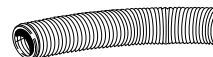
to form permanent elastic joints for heating screeds and to separate screed fields consisting of:
 - T-profile for absorption of expansion strips
 - expansion strips of PE

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 \varnothing 14 - 17 mm	10	



Note: Protection pipe can also be used for passage through a stud frame with dry-lined walls.
 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 kg	

for increasing the screed density

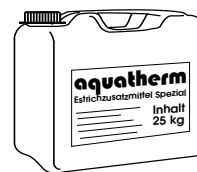


aquatherm orange system - SPECIAL FLOOR MIX

for thin-layer cement screeds

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

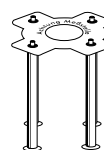
Screed-pipe covering: 30 mm



aquatherm orange system - SCREED MEASURING POINT

for marking the measuring points in the screed

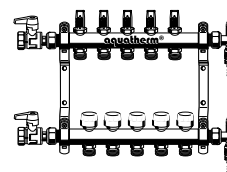
Art.-No.	Dimension	PU	Price € m/pc
91109		1	



aquatherm orange system - HEATING CIRCUIT MANIFOLD WITH FLOW METER

with ball valve and end piece set

Art.-No.	Dimension	PU	Price € m/pc
92112	2 circuits, length = 295 mm	1	
92113	3 circuits, length = 350 mm	1	
92114	4 circuits, length = 405 mm	1	
92115	5 circuits, length = 460 mm	1	
92116	6 circuits, length = 515 mm	1	
92117	7 circuits, length = 570 mm	1	
92118	8 circuits, length = 625 mm	1	
92119	9 circuits, length = 680 mm	1	
92120	10 circuits, length = 735 mm	1	
92121	11 circuits, length = 790 mm	1	
92122	12 circuits, length = 845 mm	1	



made of high quality stainless steel, with

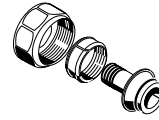
- flat packing connection
- end pieces with thread
- filling and ventilation valves
- adjustment and stop valve in return with manual control cap and upper part of a thermostat
- galvanized, sound insulated consoles
- ball valves 1" with flat packing connection
- Screw joints have to be ordered separately

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	

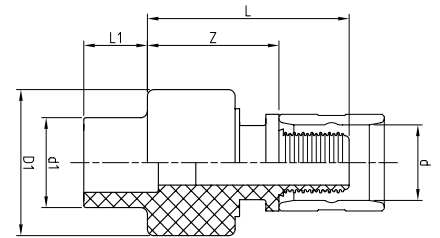
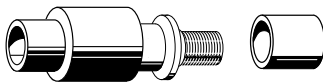
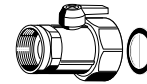
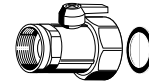
cap nut nickel-plated



aquatherm orange system - BALL VALVE SET

with threaded connection and gasket

Art.-No.	Dimension	PU	Price € m/pc
92327	1" x 1" DG	1	

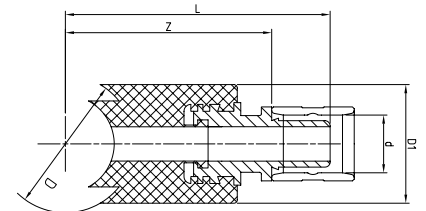
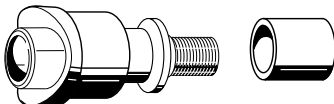


aquatherm grey pipe - ADAPTER

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 grey pipe 14 mm	20	14					2	
78300	aquatherm green pipe 20 mm x aquatherm grey pipe 16 mm	20	16	32,5	30	46	14,5	2	
78302	aquatherm green pipe 20 mm x aquatherm grey pipe 20 mm	20	20	34,5	30	47	11	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 grey pipe 16 mm	40	16	60	77	34,5	2	
78404	aquatherm green pipe 40 mm x aquatherm grey pipe 20 mm	40	20	58	75	38,5	2	
78406	aquatherm green pipe 50 mm x aquatherm grey pipe 16 mm	50	16	65	82	32,5	2	
78408	aquatherm green pipe 50 mm x aquatherm grey pipe 20 mm	50	20	64	81	38,5	2	

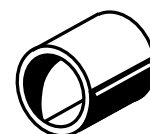
one side for saddle welding - one side for sliding sleeve connection

Material: PP-R/brass

aquatherm grey pipe - SPARE SLIDING SLEEVE for PE-RT and PB pipes

Art.-No.	Dimension	PU	Price € m/pc
79988	14 mm	10	
79990	16mm	10	
79992	20mm	10	
79998	40 mm	10	

Material: brass



aquatherm orange system - CONNECTION SET

with elbow

Art.-No.	Dimension	PU	Price € m/pc
92328	1"x1"	Set (2 St)	

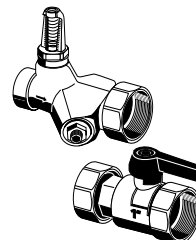
for vertical connection of ball valves



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

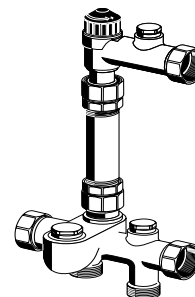


aquatherm orange system - UNIVERSAL-FLOW METER

add-on kit with elbow

Art.-No.	Dimension	PU	Price € m/pc
92210	1"	1	

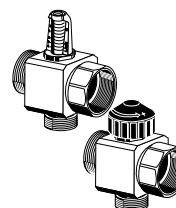
for mounting to aquatherm orange system-manifold



aquatherm orange system - HEATING CIRCUIT MANIFOLD EXTENSION SET 1-FOLD

for flow and return with flow meter

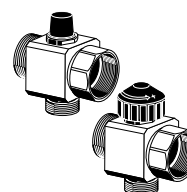
Art.-No.	Dimension	PU	Price € m/pc
92068			62,39



aquatherm orange system - HEATING CIRCUIT MANIFOLD EXTENSION SET 1-FOLD

for flow and return without flow meter

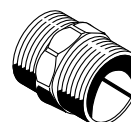
Art.-No.	Dimension	PU	Price € m/pc
92084	1"	1	



aquatherm orange system - HEATING PIPE COUPLING ADAPTER

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

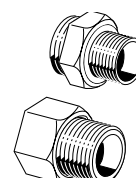
Suitable euroconus connector Art.-No.: 92100-92108



aquatherm orange system - HEATING PIPE SCREW CONNECTION ADAPTER

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

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

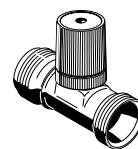


aquatherm orange system - HEATING CIRCUIT CONTROL VALVE FLOW

with manual control cap and upper part of thermostat

Art.-No.	Dimension	PU	Price € m/pc
95310	1/2" m	1	

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

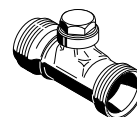


aquatherm orange system - RETURN CONTROL VALVE

lockable

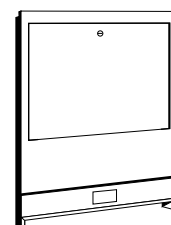
Art.-No.	Dimension	PU	Price € m/pc
95410	1/2" m	1	

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	

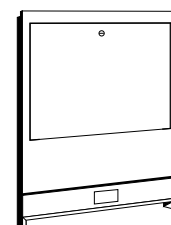


for concealed installation with:

- 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	

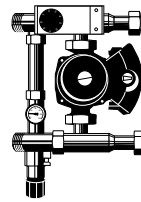


for surface installation with

- 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 - HEAT DISTRIBUTION STATION

Art.-No.	Dimension	PU	Price € m/pc
92161	up to 80 m heating surface	1	



for extension/changeover of an existing radiator system with underfloor heating in conjunction with the aquatherm-manifolds Art.-No. 92052-92062

consisting of:

- thermostatic mixing valve
- thermometer
- circulation pump
- safety temperature limiter

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	



aquatherm orange system - MANUAL CONTROL CAP

for heating circuit manifold and heating circuit control valves - flow

Art.-No.	Dimension	PU	Price € m/pc
99109	scale+-	1	

Colour: white



aquatherm orange system - INDIVIDUAL ROOM CONTROL

with RTL valve and axial Th valve

Art.-No.	Dimension	PU	Price € m/pc
94161		1	

for control of

- return temperature
- room temperature
- in connection for euroconus
- with concealed manifold cabinet
- with covering



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	



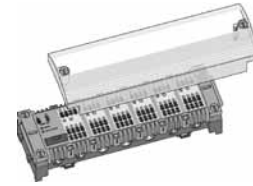
CONNECTION SYSTEMS, THERMOSTATS 230 VOLT (HEATING)

aquatherm orange system - CONNECTION SYSTEM AB 2000-6

230 volt

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

Up to 6 room thermostats connectable
max. 14 actuators
(extension: see modules)



aquatherm orange system - CONTROL MODULE AB RM 2000

230 volt

Art.-No.	Dimension	PU	Price € m/pc
94141		1	

for extension of 2 room thermostats
up to 2 room thermostats connectable
8 actuators



aquatherm orange system - ACTUATOR MODULE AB AM 2000

230 volt

Art.-No.	Dimension	PU	Price € m/pc
94142		1	

for extension of actuators for large heating surfaces
up to 2 groups with each 4 actuators are connectable

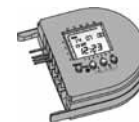


aquatherm orange system - TIMER MODULE AB TM 1000

230 volt, 24 volt and for radio connection system

Art.-No.	Dimension	PU	Price € m/pc
94143		1	

plugable 2 channel-digital clock for simple and comfortable programming of the heating times
Function: 2 week programmes / 42 storage locations
automatic switching between sommer-/wintertime

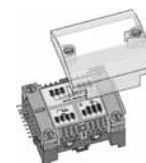


aquatherm orange system - PUMP MODULE AB PL 2000

230 volt

Art.-No.	Dimension	PU	Price € m/pc
94144		1	

plugable extension for controlling of circulation pump
Connection options: 2 x NYM 2 x 1,5 mm² for external pump

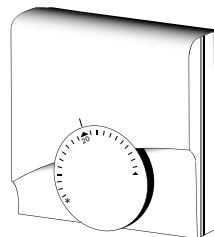


CONNECTION SYSTEMS, THERMOSTATS 230 VOLT (HEATING)

aquatherm orange system - ROOM THERMOSTAT

230 volt - 50 Hz - differential gap 0,5 K, prepared for night setback, white

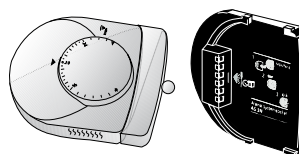
Art.-No.	Dimension	PU	Price € m/pc
94107		1	



aquatherm orange system - PROGRAMMABEL ROOM THERMOSTAT, ANALOGUE

230 volt digital timer with day and week program, white

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



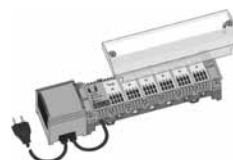
CONNECTION SYSTEMS, THERMOSTATS 24 VOLT - RADIO CONTROLLED (HEATING)

aquatherm orange system - AUTOMATIC CONTROL, WIRELESS AB 4071-6

24 volt

Art.-No.	Dimension	PU	Price € m/pc
94148		1	

up to 6 radio controls (wireless) connectable
13 actuators (24 volt)
transformer: 230V/24V, 50/60 Hz, 50 vA
operating voltage: 24V/50/60 Hz

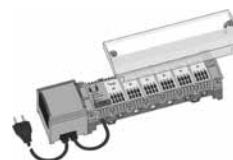


aquatherm orange system - AUTOMATIC CONTROL, WIRELESS AB 4071-12

24 volt

Art.-No.	Dimension	PU	Price € m/pc
94149		1	

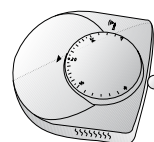
up to 12 radio controls (wireless) connectable
13 actuators (24 volt)



aquatherm orange system - ROOM THERMOSTAT WIRELESS AR 4070 KF

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

Room thermostats with wireless radio transmission (battery 2 x 1,5 V Mignon)
temperature range: 10 - 28 °C



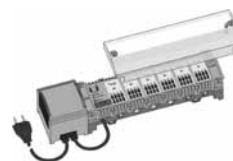
CONNECTION SYSTEMS, THERMOSTATS 24 VOLT (HEATING/ HEATING AND COOLING)

aquatherm orange system - CONNECTION SYSTEM AB 4001-6

24 volt

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

Connections: up to 6 room thermostats 24 v respectively room thermostats Art.-No. 94156/94154
14 actuators (24volt)
Transformer: 230V/24V, 50/60 Hz, 50 vA
Operating voltage: 24V/50/60 Hz

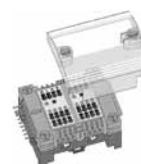


aquatherm orange system - CONTROL MODULE AB RM 4000

24 volt

Art.-No.	Dimension	PU	Price € m/pc
94131		1	

for extension of 2 room thermostats
up to 2 room thermostats connectable
8 actuators

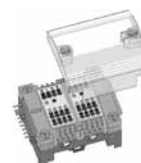


aquatherm orange system - ACTUATOR MODULE AB AM 4000

24 volt

Art.-No.	Dimension	PU	Price € m/pc
94132		1	

for extension of actuators of large heating surfaces
up to 2 groups with each 4 actuators connectable

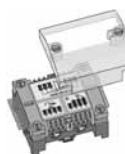


aquatherm orange system - PUMP MODULE AB PL 4000

24 volt and for radio

Art.-No.	Dimension	PU	Price € m/pc
94150		1	

plugable extension for controlling of circulation pump
Connection options: 2 x NYM 2 x 1,5 mm² for external pump

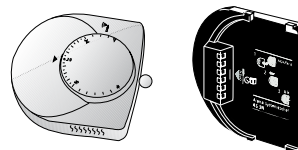


aquatherm orange system - ROOM THERMOSTAT

24 volt differential gap 0,5 K, prepared for night set-back, white

Art.-No.	Dimension	PU	Price € m/pc
94156		1	

Including mounting base and electrical connection for room thermostats
- suitable for wall installation and mounting on switch box



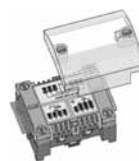
CONNECTION SYSTEMS, THERMOSTATS 24 VOLT (HEATING/ HEATING AND COOLING)

aquatherm orange system - HEATING / COOLING MODULE AB HK 4000

24 volt

Art.-No.	Dimension	PU	Price € m/pc
94153		1	

The plug-in extension of the connection system automatically initiates the change-over of all connected room thermostats into cooling mode by external potential-free contact or manually.

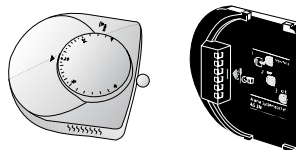


aquatherm orange system - ROOM THERMOSTAT FOR HEATING AND COOLING AR 4010 K

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

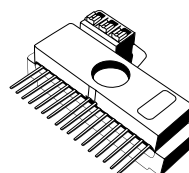


aquatherm orange system - ADAPTER PLUG FOR EXTERNAL LOWERING

24 volt

Art.-No.	Dimension	PU	Price € m/pc
99408		1	

Plug-in extension of the connecting system effects the automatical switching (Art.-No. 94034) of all connected room thermostats into the cooling mode by external potential-free contact or manually.

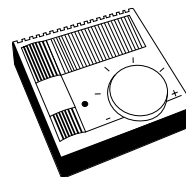


aquatherm orange system - ROOM THERMOSTAT FOR HEATING AND COOLING

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

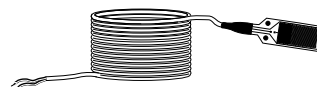


aquatherm orange system - DEWPOINT SENSOR

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)



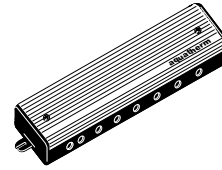
CONNECTION SYSTEMS, THERMOSTATS 230 VOLT (HEATING AND COOLING)

aquatherm orange system - CONTROL MANIFOLD ASV 6

230 volt

Art.-No.	Dimension	PU	Price € m/pc
94170		1	

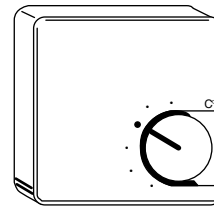
up to 6 room thermostats connectable
max. 12 actuators



aquatherm orange system - ROOM THERMOSTAT NRT 210

230 volt, differential gap 0,5 K, for 2 pipe-system, white

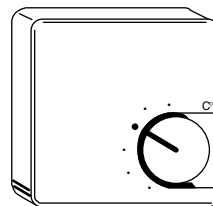
Art.-No.	Dimension	PU	Price € m/pc
94172		1	



aquatherm orange system - ROOM THERMOSTAT NRT 220

230 volt, differential gap 0,5 K, for 4 pipe-systems, white

Art.-No.	Dimension	PU	Price € m/pc
94174		1	



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 kg	



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

aquatherm green pipe,

aquatherm blue pipe,

aquatherm lilac pipe pipe systems

aquatherm ti Pre-insulated pipe systems for district heating

aquatherm grey pipe Portable water and heating installations

aquatherm black system Heating and cooling system

aquatherm orange system Heating Systems

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aquatherm black system

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15164	33	15264	34	15746	37	20208	42	23006	46
15166	33	15265	34	15748	37	20209	42	23008	46
15168	33	15268	34	15750	37	20210	43	23010	46
15170	33	15269	34	15752	37	21006	44	23012	46
15172	33	15270	34	15754	37	21008	44	23014	46
15174	33	15271	34	15812	37	21010	44	23016	46
15175	33	15275	34	15814	37	21011	44	23018	46
15176	33	15277	34	15816	37	21012	44	23208	47
15178	33	15278	34	15818	37	21013	44	23504	47
15180	33	15288	34	15820	37	21106	44	23506	47
15181	33	15290	34	15838	38	21108	44	23508	47
15182	33	15300	34	15840	38	21110	44	23510	47
15184	33	15303	34	15842	38	21111	44	23512	47
15186	33	15315	34	15844	38	21112	44	23514	47
15188	33	15316	34	15846	38	21113	44	25004	47
15189	33	15318	34	15848	38	21114	44	25006	47
15190	33	15331	34	15850	38	21115	44	25008	47
15192	33	15512	36	16106	31	21116	44	25010	47
15194	33	15514	36	16108	31	21117	44	25012	47
15196	33	15516	36	16110	31	21118	44	25014	47
15197	33	15518	36	16112	31	21119	44	25016	47

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25020	47	27322	50	28338	35	41410	57	50226	62
25022	47	27510	50	28340	35	41412	57	50285	116
25506	48	27512	50	28342	35	41414	57	50307	62
26608	48	27514	50	28344	35	41416	57	50311	62
26610	48	27516	50	28346	35	41418	57	50330	60
26612	48	27518	50	28350	35	41488	57	50336	59
26614	48	27520	50	30115	51	41490	57	50337	59
26616	48	27522	50	30602	52	41492	57	50341	59
26618	48	27524	50	30604	52	41494	57	50440	63
26638	48	27710	51	30804	522	41496	57	50421	66
26640	48	27712	51	40808	53	41498	57	50422	66
26642	48	27714	51	40810	53	41601	57	50424	66
26644	48	27716	51	40812	53	41602	57	50426	66
26646	48	27718	51	40814	53	41604	57	50428	66
26648	48	27720	51	40858	53	41607	57	50506	63
26708	49	27722	51	40860	53	50102	59	50507	63
26710	49	27724	51	40862	53	50103	101	50508	63
26712	49	28214	35	40868	54	50104	5	50511	63
26714	49	28216	35	40870	54	50105	59	50512	63
26716	49	28218	35	40872	54	50106	59	50515	63
26718	49	28220	35	40878	54	50107	59	50516	63
26720	49	28222	35	40880	54	50108	59	50518	63
26722	49	28224	35	40882	54	50109	59	50519	63
26808	49	28226	35	40888	54	50145	60	50520	63
26810	49	28230	35	40890	54	50148	60	50525	63
26812	49	28232	35	40892	54	50151	60	50526	63
27010	49	28234	35	40900	55	50159	60	50558	63
27011	49	28236	35	40902	55	50163	60	50560	63
27012	49	28238	35	40908	55	50165	61	50562	63
27013	49	28240	35	40910	55	50166	61	50564	63
27014	49	28242	35	40912	55	50167	60	50566	63
27015	49	28244	35	40914	55	50169	61	50568	63
27016	49	28246	35	41108	55	50175	61	50570	63
27017	49	28250	35	41110	55	50177	61	50572	63
27018	49	28254	35	41112	55	50178	60	50574	63
27019	49	28260	35	41114	55	50186	115	50576	63
27020	49	28262	35	41208	56	50188	61	50580	63
27021	49	28264	35	41210	56	50190	61	50592	63
27022	49	28266	35	41212	56	50191	80	50614	64
27310	50	28270	35	41214	56	50193	62	50616	64
27311	50	28274	35	41308	56	50195	61	50619	64
27312	50	28314	35	41310	56	50206	62	50620	64
27313	50	28316	35	41312	56	50208	62	50623	64
27314	50	28318	35	41314	56	50210	62	50624	64
27315	50	28320	35	41316	56	50212	62	50625	64
27316	50	28322	35	41318	56	50214	62	50627	64
27317	50	28324	35	41378	56	50216	62	50628	64
27318	50	28326	35	41382	56	50218	62	50629	64
27319	50	28330	35	41386	56	50220	62	50631	64
27320	50	28334	35	41400	57	50222	62	50632	64

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50635	64	50734	65	50952	66	70758	9	79252	123
50636	64	50736	65	50954	66	70760	9	79254	123
50638	64	50738	65	50956	66	70806	11	79550	98
50640	64	50740	65	50958	66	70808	11	79566	82
50642	64	50742	65	50960	66	70810	11	79568	82
50644	64	50744	65	60010	40	70812	11	79606	91
50648	64	50746	65	60110	42	70814	11	79608	91
50650	64	50800	101	60115	43	70816	11	79610	91
50652	64	50802	102	60150	43	70818	11	79612	91
50654	64	50803	102	60155	43	70820	11	79988	124
50656	64	50804	103	60210	54 / 93	70822	11	81003	114
50657	64	50805	103	60516	17	70824	11	81006	113
50658	64	50809	102	60520	17	70856	11	81008	113
50660	64	50814	101	60525	17	77000	82	81026	113
50662	64	50815	101	60532	17	77002	82	81028	113
50664	64	50817	101	60540	17	77010	82	81030	115
50666	64	50820	101	60550	17	77012	82	81031	115
50667	64	50822	101	60563	17	77020	82	81032	115
50668	64	50824	102	60575	17	77022	82	81035	115
50669	64	50825	102	60590	17	77024	82	81036	115
50670	64	50826	102	60594	17	77030	82	81039	114
50671	64	50828	102	60595	17	77032	82	81040	115
50672	64	50830	102	60597	17	77040	82	81041	115
50674	64	50832	102	60600	62	77080	82	81042	115
50676	64	50834	102	60604	17	77082	82	81044	113
50678	64	50840	101	60606	17	77090	82	81050	113
50680	64	50857	101	60608	17	77092	82	81060	113
50682	64	50860	101	60610	17	78000	52 / 91	81065	113
50684	65	50862	101	60616	17	78020	93	81080	113
50686	65	50864	101	60620	17	78220	95	81091	116
50688	65	50866	101	60625	17	78228	95	81092	116
50690	65	50875	103	60632	17	78298	123	81093	116
50692	65	50876	103	60640	17	78300	123	81288	116
50694	65	50878	103	60650	17	78302	123	81289	116
50696	65	50880	103	60654	17	78402	123	81290	116
50698	65	50882	103	60658	17	78404	123	81291	116
50699	65	50910	66	60660	17	78406	123	81296	114
50700	42	50912	66	60716	113	78408	123	81297	114
50708	42	50914	66	70708	8	79008	84	81298	114
50710	42	50921	66	70710	8	79080	40 / 83	81506	114
50712	65	50922	66	70712	9	79090	40 / 83	83006	99
50714	65	50924	66	70714	9	79095	41 / 84	83306	100
50716	65	50926	66	70716	9	79096	41 / 84	85110	18
50718	65	50928	66	70718	9	79209	119	85115	99
50720	65	50940	66	70720	9	79210	119	85119	101
50722	65	50941	66	70722	9	79212	119	85120	101
50724	65	50942	66	70724	9	79214	119	85121	101
50726	65	50944	66	70726	9	79220	123	85123	101
50728	65	50946	66	70730	9	79222	123	85125	99
50730	65	50948	66	70734	9	79249	123	90020	118

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90038	118	92329	123	99258	131	313134	25	777070	82
90306	118	93102	125	99259	131	313138	25	777072	82
90307	118	93104	125	99408	130	313142	25	778003	92
90316	118	93106	125	99743	131	313144	25	778004	92
90317	118	93108	125	370712	8	313600	27	778010	92
90502	118	93110	125	370714	8	313602	27	778012	92
90504	118	93112	125	370716	8	313608	27	778050	94
90510	119	93114	125	370718	8	313610	27	778051	94
90511	119	93116	125	370720	8	313612	27	778052	94
90512	119	93118	125	370722	8	313614	27	778053	94
90515	119	94034	130	370724	8	313624	27	778054	94
90517	119	94035	130	370726	8	313626	27	778200	91
90518	119	94036	130	370730	8	313628	27	778201	91
90520	119	94102	126	370734	8	313630	27	778202	91
91010	121	94103	126	370738	8	313904	27	778204	91
91033	121	94107	128	370742	8	313916	27	778206	91
91035	121	94108	128	370744	8	313918	23	778208	91
91039	120	94131	129	370762	9	313634	23	778304	96
91041	120	94132	129	370764	9	313640	23	778306	96
91102	121	94140	127	370766	9	313906	23	778308	96
91104	121	94141	127	370768	9	313908	23	778310	96
91106	122	94142	127	370770	9	313910	23	778312	96
91107	122	94143	127	370772	9	313916	27	778320	96
91108	122	94144	127	370774	9	313918	23	778330	85
91109	122	94148	128	370776	9	313920	23	778332	85
91110	122	94149	128	370780	9	313922	23	778360	85
91111	122	94150	129	370784	9	313924	23	778362	84
91112	120	94151	128	370788	9	314130	32	778364	85
91115	120	94152	129	370792	9	314134	32	778366	84
92067	124	94153	130	370794	9	314138	32	779010	85
92084	124	94154	130	311174	20	314142	32	779012	84
92100	123	94156	129	311176	20	314144	32	779014	84
92104	123	94161	126	311182	20	315265	34	779016	84
92106	123	94165	126	311184	20	315271	34	779018	84
92107	123	94170	131	311188	20	315530	36	779020	85
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92112	123	94174	131	311192	20	315538	36	779032	85
92113	123	95210	124	311194	20	315542	36	779033	85
92114	123	95212	124	311196	20	315544	36	779034	85
92115	123	95214	124	311198	20	777050	82	779036	85
92116	123	95310	124	312130	22	777052	82	779038	85
92117	123	95410	124	312134	22	777054	82	779039	85
92118	123	95500	119	312138	22	777056	82	779040	86
92119	123	95502	119	312142	22	777058	82	778410	96
92120	123	95504	119	312144	22	777070	82	778412	96
92121	123	95510	119	312530	24	777072	82	779000	83
92122	123	95512	119	312534	24	777050	82	779002	83
92161	125	96003	118	312538	24	777052	82	779004	83
92210	124	96004	118	312542	24	777054	82	779006	83
92327	123	99086	119	312544	24	777056	82	779100	86

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779104	86	779210	88	1211038	77	1213118	71	1213346	74
779106	86	779212	88	1211042	77	1213120	71	1213350	74
779108	86	779214	88	1211222	78	1213122	71	1213382	74
779110	87	779216	88	1211228	78	1213124	71	1213384	74
779112	87	779218	88	1211230	78	1213126	71	1213386	74
779114	87	779220	88	1211236	78	1213130	71	1213388	74
779116	87	779222	88	1211238	78	1213134	71	1213390	74
779118	87	779230	88	1211240	78	1213138	71	1213392	74
779120	87	779232	88	1211242	78	1213202	73	1213394	74
779122	87	779240	88	1211252	78	1213206	73	1213396	74
779123	87	779242	88	1211253	78	1213208	73	1214112	80
779124	87	779244	88	1211257	78	1213212	73	1214114	80
779126	87	779246	88	1211259	78	1213214	73	1214118	80
779128	87	779256	90	1211263	78	1213216	73	1214122	80
779130	87	779258	90	1211265	78	1213220	73	1214124	80
779132	87	779260	90	1211274	78	1213222	73	1214126	80
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779136	87	779300	90	1211282	78	1213226	73	1214134	80
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779160	86	779512	93	1212130	71	1213256	73	1218112	72
779162	86	779532	93	1212134	71	1213258	73	1218114	72
779163	86	779534	93	1212138	71	1213260	73	1218116	72
779164	86	779536	93	1212212	70	1213262	73	1218118	72
779165	86	779540	94	1212214	70	1213264	73	1218120	72
779166	86	779542	94	1212216	70	1213266	73	1218122	72
779168	86	779858	83	1212218	70	1213268	73	1218124	72
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779184	88	779992	96	1212512	70	1213292	73	1218130	72
779186	88	779994	96	1212514	70	1213294	73	1218134	72
779188	88	779996	96	1212516	70	1213296	73	1218138	72
779190	88	779998	96	1212518	70	1213298	73	1218202	75
779192	88	1211012	77	1212520	70	1213300	73	1218206	75
779194	88	1211014	77	1212522	70	1213302	73	1218208	75
779200	88	1211016	77	1212524	70	1213304	73	1218212	75
779202	88	1211018	77	1212526	70	1213332	74	1218214	75
779203	88	1211020	77	1212530	70	1213334	74	1218216	75
779204	88	1211022	77	1212534	70	1213336	74	1218220	75
779205	88	1211024	77	1212538	70	1213338	74	1218222	75
779206	88	1211026	77	1213112	71	1213340	74	1218224	75
779207	88	1211030	77	1213114	71	1213342	74	1218226	75

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1218232	75	1270718	69	2013653	29	2070708	13	2212214	70
1218234	75	1270719	69	2013655	29	2070710	13	2212216	70
1218236	75	1270720	69	2013657	29	2070712	13	2212218	70
1218238	75	1270721	69	2013663	28	2070758	14	2212220	70
1218242	75	1270722	69	2013665	29	2070760	14	2212512	70
1218244	75	1270723	69	2013667	29	2070762	14	2212514	70
1218246	75	1270724	69	2013669	29	2170114	15	2212516	70
1218248	75	1270725	69	2013671	29	2170116	15	2212518	70
1218250	75	1270726	69	2013676	28	2170118	15	2212520	70
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1218264	75	1270738	69	2013690	28	2170134	15	2212539	70
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1218268	75	2010210	15	2013694	29	2170708	15	2213112	71
1218290	75	2010212	15	2013696	29	2170710	15	2213114	71
1218292	75	2010308	15	2013698	29	2211012	77	2213116	71
1218294	75	2010310	15	2013699	29	2211014	77	2213118	71
1218296	75	2010312	15	2013700	29	2211016	77	2213120	71
1218298	75	2012135	22	2070112	13	2211018	77	2213122	71
1218300	75	2012139	22	2070114	13	2211020	77	2213124	71
1218302	75	2012143	22	2070116	13	2211022	77	2213126	71
1218304	75	2012145	22	2070118	13	2211024	77	2213131	71
1218332	76	2012147	22	2070120	13	2211026	77	2213135	71
1218334	76	2012149	22	2070122	13	2211030	77	2213139	71
1218336	76	2012535	24	2070124	13	2211034	77	2213143	71
1218338	76	2012539	24	2070126	13	2211038	77	2213202	73
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1218342	76	2012545	24	2070134	13	2211275	78	2213208	73
1218344	76	2012547	24	2070138	13	2211277	78	2213212	73
1218346	76	2012549	24	2070142	13	2211283	78	2213214	73
1218350	76	2013135	25	2070144	13	2211285	78	2213216	73
1218382	76	2013139	25	2070146	13	2211289	78	2213220	73
1218384	76	2013143	25	2070148	13	2211291	78	2213222	73
1218386	76	2013145	25	2070162	14	2211297	78	2213224	73
1218388	76	2013147	25	2070164	14	2211299	78	2213226	73
1218390	76	2013149	25	2070166	14	2212112	71	2213230	73
1218392	76	2013609	28	2070168	14	2212114	71	2213232	73
1218394	76	2013611	28	2070170	14	2212116	71	2213234	73
1218396	76	2013613	28	2070172	14	2212118	71	2213236	73
1218400	76	2013615	28	2070174	14	2212120	71	2213238	73
1218402	76	2013619	29	2070176	14	2212122	71	2213242	73
1270711	69	2013625	28	2070180	14	2212124	71	2213244	73
1270712	69	2013627	28	2070184	14	2212126	71	2213246	73
1270713	69	2013629	28	2070188	14	2212131	71	2213248	73
1270714	69	2013631	28	2070192	14	2212135	71	2213250	73
1270715	69	2013635	29	2070194	14	2212139	71	2213252	73
1270716	69	2013641	29	2070196	14	2212143	71	2213256	73

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2213260	73	2218208	75	2218403	76	2411222	79	2413118	71
2213262	73	2218212	75	2218407	76	2411228	79	2413120	71
2213264	73	2218214	75	2218409	76	2411230	79	2413122	71
2213266	73	2218216	75	2218411	76	2411236	79	2413124	71
2213268	73	2218220	75	2218413	76	2411238	79	2413126	71
2213291	73	2218222	75	2218415	76	2411240	79	2413131	76
2213293	73	2218224	75	2218417	76	2411242	79	2413135	76
2213295	73	2218226	75	2218419	76	2411252	79	2413139	76
2213297	73	2218230	75	2218421	76	2411253	79	2413202	73
2213299	73	2218232	75	2218425	76	2411257	79	2413206	73
2213301	73	2218234	75	2218429	76	2411259	79	2413208	73
2213303	73	2218236	75	2218433	71	2411263	79	2413212	73
2213305	73	2218238	75	2270111	69	2411265	79	2413214	73
2213333	74	2218244	75	2270112	69	2411274	79	2413216	73
2213335	74	2218246	75	2270113	69	2411276	79	2413220	73
2213337	74	2218248	75	2270114	69	2411282	79	2413224	73
2213339	74	2218250	75	2270115	69	2411284	79	2413226	73
2213341	74	2218252	75	2270116	69	2411288	79	2413230	73
2213343	74	2218256	75	2270117	69	2411290	79	2413232	73
2213345	74	2218258	75	2270118	69	2411296	79	2413234	73
2213383	74	2218260	75	2270119	69	2411298	79	2413236	73
2213385	74	2218262	75	2270120	69	2412112	71	2413238	73
2213387	74	2218264	75	2270121	69	2412114	71	2413242	73
2213389	74	2218266	75	2270122	69	2412116	71	2413244	73
2213391	74	2218268	75	2270123	69	2412118	71	2413246	73
2213393	74	2218291	75	2270124	69	2412120	71	2413248	73
2213395	74	2218293	75	2270125	69	2412122	71	2413250	73
2213397	74	2218295	75	2270126	69	2412124	71	2413252	73
2213407	74	2218297	75	2270129	69	2412126	71	2413256	73
2213409	74	2218299	75	2270130	69	2412131	71	2413258	73
2213411	74	2218301	75	2270133	69	2412135	71	2413260	73
2213413	74	2218303	75	2270134	69	2412139	71	2413262	73
2213415	74	2218305	75	2270137	69	2412212	70	2413264	73
2213417	74	2218333	76	2270138	69	2412214	70	2413266	73
2213419	74	2218335	76	2270141	69	2412216	70	2413268	73
2213421	74	2218337	76	2270142	69	2412218	70	2413291	73
2213425	74	2218339	76	2411000	79	2412220	70	2413293	73
2218112	72	2218341	76	2411001	79	2412512	70	2413295	73
2218114	72	2218343	76	2411002	79	2412514	70	2413297	73
2218116	72	2218345	76	2411012	77	2412516	70	2413299	73
2218118	72	2218347	76	2411014	77	2412518	70	2413301	73
2218120	72	2218351	76	2411016	77	2412520	70	2413303	73
2218122	72	2218383	76	2411018	77	2412522	70	2413305	73
2218124	72	2218385	76	2411020	77	2412524	70	2418112	72
2218126	72	2218387	76	2411022	77	2412526	70	2418114	72
2218131	72	2218389	76	2411024	77	2412531	70	2418116	72
2218135	72	2218391	76	2411026	77	2412535	70	2418118	72
2218139	72	2218393	76	2411030	77	2412539	70	2418120	72
2218143	72	2218395	76	2411034	77	2413112	71	2418122	72
2218202	75	2218397	76	2411038	77	2413114	71	2418124	72

Art.-Nr	Seite	Art.-Nr	Seite	Art.-Nr	Seite	Art.-Nr	Seite	Art.-Nr	Seite
2418126	72	2418387	76	2511214	21	2513655	30	2514148	32
2418131	72	2418389	76	2511215	21	2513657	30	2514150	32
2418135	72	2418391	76	2511216	21	2513663	29	2514152	32
2418139	72	2418393	76	2511217	21	2513665	30	2514154	32
2418202	75	2418395	76	2511218	21	2513667	30	2515530	36
2418206	75	2418397	76	2511219	21	2513669	30	2515534	36
2418208	75	2418401	76	2512130	22	2513671	30	2515538	36
2418212	75	2418403	76	2512134	22	2513676	29	2515542	36
2418214	75	2470113	69	2512138	22	2513678	30	2515544	36
2418216	75	2470114	69	2512142	22	2513680	30	2515546	36
2418220	75	2470115	69	2512144	22	2513682	30	2515548	36
2418222	75	2470116	69	2512146	22	2513684	30	2515550	36
2418224	75	2470117	69	2512148	22	2513685	30	2515552	36
2418226	75	2470118	69	2512150	22	2513690	29	2515554	36
2418230	75	2470119	69	2512152	22	2513692	30	2570130	13
2418232	75	2470120	69	2512154	22	2513694	30	2570134	13
2418234	75	2470121	69	2512530	24	2513696	30	2570138	13
2418236	75	2470122	69	2512534	24	2513698	30	2570142	13
2418238	75	2470123	69	2512538	24	2513699	30	2570144	13
2418242	75	2470124	69	2512542	24	2513700	30	2570146	13
2418244	75	2470125	69	2512544	24	2513804	29	2570148	13
2418246	75	2470126	69	2512546	24	2513806	30	2570150	13
2418248	75	2470129	69	2512548	24	2513808	30	2570152	13
2418250	75	2470130	69	2512550	24	2513810	30	2570154	13
2418252	75	2470133	69	2512552	24	2513812	30	2570180	14
2418256	75	2470134	69	2512554	24	2513813	30	2570184	14
2418258	75	2470137	69	2513130	25	2513814	30	2570188	14
2418260	75	2470138	69	2513134	25	2513815	30	2570192	14
2418262	75	2470711	69	2513138	25	2513821	29	2570194	14
2418264	75	2470712	69	2513142	25	2513823	30	2570196	14
2418266	75	2511174	20	2513144	25	2513825	30	2570198	14
2418268	75	2511176	20	2513146	25	2513827	30	2570200	14
2418291	75	2511182	20	2513148	25	2513829	30	2570202	14
2418293	75	2511184	21	2513150	25	2513831	30	2570204	14
2418295	75	2511188	21	2513152	25	2513832	30	2712130	71
2418297	75	2511190	21	2513154	25	2513833	30	2712134	71
2418299	75	2511193	21	2513600	29	2513839	29	2712138	71
2418301	75	2511195	21	2513602	29	2513841	30	2712142	71
2418303	75	2511197	21	2513608	29	2513843	30	2712530	65
2418305	75	2511199	21	2513610	29	2513845	30	2712534	65
2418333	76	2511201	21	2513612	29	2513847	30	2712538	65
2418335	76	2511203	21	2513614	29	2513849	30	2712542	65
2418337	76	2511204	21	2513618	30	2513850	30	2713290	68
2418339	76	2511206	21	2513624	29	2513851	30	2713292	68
2418341	76	2511207	21	2513626	29	2513852	30	2713294	68
2418343	76	2511208	21	2513628	29	2514130	32	2713296	68
2418345	76	2511209	21	2513630	29	2514134	32	2713298	68
2418347	76	2511210	21	2513634	30	2514138	32	2713300	68
2418351	76	2511211	21	2513640	30	2514142	32	2713302	68
2418383	76	2511212	21	2513651	29	2514144	32	2713304	68
2418385	76	2511213	21	2513653	30	2514146	32	2713332	69

Art.-Nr	Seite	Art.-Nr	Seite	Art.-Nr	Seite	Art.-Nr	Seite	Art.-Nr	Seite
2413333	74	2718142	72	5000090	111	5028180	107	5036300	108
2713334	69	2718290	75	5000100	111	5028200	107	5036325	108
2413335	74	2718292	75	5000120	112	5028225	107	5036350	108
2713336	69	2718294	75	5000140	112	5028250	107	5036375	108
2413337	74	2718296	75	5000160	112	5028275	107	5036400	108
2713338	69	2718298	75	5000180	112	5028300	107	5036425	108
2413339	74	2718300	75	5000200	112	5028325	107	5036450	108
2713340	69	2718302	75	5000225	112	5028350	107	5036475	108
2413341	74	2718304	75	5000250	112	5028375	107	5036500	108
2713342	69	2718332	76	5000275	112	5028400	107	5040050	109
2413343	74	2718334	76	5000300	112	5028425	107	5040060	109
2713344	69	2718336	76	5000325	112	5028450	107	5040070	109
2413345	74	2718338	76	5000350	112	5028475	107	5040080	109
2713346	69	2718340	76	5000375	112	5028500	107	5040090	109
2413347	74	2718342	76	5000400	112	5032050	107	5040100	109
2713350	69	2718344	76	5000425	112	5032060	107	5040120	109
2413351	74	2718346	76	5000450	112	5032070	108	5040140	109
2713382	69	2718350	76	5000475	112	5032080	108	5040160	109
2413383	74	2718382	76	5000500	112	5032090	108	5040180	109
2713384	69	2718384	76	5024050	107	5032100	108	5040200	109
2413385	74	2718386	76	5024060	107	5032120	108	5040225	109
2713386	69	2718388	76	5024070	107	5032140	108	5040250	109
2413387	74	2718390	76	5024080	107	5032160	108	5040275	109
2713388	69	2718392	76	5024090	107	5032180	108	5040300	109
2413389	74	2718394	76	5024100	107	5032200	108	5040325	109
2713390	69	2718396	76	5024120	107	5032225	108	5040350	109
2413391	74	2718400	76	5024140	107	5032250	108	5040375	109
2713392	69	2718402	76	5024160	107	5032275	108	5040400	109
2413393	74	2718406	76	5024180	107	5032300	108	5040425	109
2713394	69	2718408	76	5024200	107	5032325	108	5040450	109
2413395	74	2718410	76	5024225	107	5032350	108	5040475	109
2713396	69	2718412	76	5024250	107	5032375	108	5040500	109
2413397	74	2718414	76	5024275	107	5032400	108	5048050	109
2713400	69	2718416	76	5024300	107	5032425	108	5048060	109
2413401	74	2718418	76	5024325	107	5032450	108	5048070	109
2713402	69	2718420	76	5024350	107	5032475	108	5048080	109
2413403	74	2718424	76	5024375	107	5032500	108	5048090	109
2713406	69	2718428	76	5024400	107	5036050	108	5048100	109
2713408	69	2718432	76	5024425	107	5036060	108	5048120	109
2713410	69	2770130	69	5024450	107	5036070	108	5048140	109
2713412	69	2770133	69	5024475	107	5036080	108	5048160	109
2713414	69	2770134	69	5024500	107	5036090	108	5048180	109
2713416	69	2770137	69	5028050	107	5036100	108	5048200	109
2713418	69	2770138	69	5028060	107	5036120	108	5048225	109
2713420	69	2770141	69	5028070	107	5036140	108	5048250	109
2713424	69	2770142	69	5028080	107	5036160	108	5048275	109
2713428	69	2770148	69	5028090	107	5036180	108	5048300	109
2713432	69	5000050	111	5028100	107	5036200	108	5048325	109
2718130	72	5000060	111	5028120	107	5036225	108	5048350	109
2718134	72	5000070	111	5028140	107	5036250	108	5048375	109
2718138	72	5000080	111	5028160	107	5036275	108	5048400	109

Art.-Nr	Seite	Art.-Nr	Seite	Art.-Nr	Seite
5048425	109	5068070	110	6252056	115
5048450	109	5068080	110	6256056	115
5048475	109	5068090	111	6256060	115
5048500	109	5068100	111	6256120	115
5056050	109	5068120	111	9010212	16
5056060	109	5068140	111	9010214	16
5056070	110	5068160	111	9010216	16
5056080	110	5068180	111	9010218	16
5056090	110	5068200	111	9010220	16
5056100	110	5068225	111	9010222	16
5056120	110	5068250	111	9010224	16
5056140	110	5068275	111	9010226	16
5056160	110	5068300	111	9010808	16
5056180	110	5068325	111	9010810	16
5056200	110	5068350	111		
5056225	110	5068375	111		
5056250	110	5068400	111		
5056275	110	5068425	111		
5056300	110	5068450	111		
5056325	110	5068475	111		
5056350	110	5068500	111		
5056375	110	5080050	111		
5056400	110	5080060	111		
5056425	110	5080070	111		
5056450	110	5080080	111		
5056475	110	5080090	111		
5056500	110	5080100	111		
5060050	110	5080120	111		
5060060	110	5080140	111		
5060070	110	5080160	111		
5060080	110	5080180	111		
5060090	110	5080200	111		
5060100	110	5080225	111		
5060120	110	5080250	111		
5060140	110	5080275	111		
5060160	110	5080300	111		
5060180	110	5080325	111		
5060200	110	5080350	111		
5060225	110	5080375	111		
5060250	110	5080400	111		
5060275	110	5080425	111		
5060300	110	5080450	111		
5060325	110	5080475	111		
5060350	110	5080500	111		
5060375	110	5156058	114		
5060400	110	5160061	114		
5060425	110	5662050	112		
5060450	110	5662100	112		
5060475	110	5662200	112		
5060500	110	5663050	112		
5068050	110	5663100	112		
5068060	110	5663200	112		

WORKING PRESSURE

PERMISSIBLE WORKING PRESSURE - POTABLE WATER

Fluid transported: water acc. to DIN 2000

Temperature	Service life	aquatherm green pipe SDR 11 S aquatherm lilac pipe SDR 11 S		aquatherm green pipe SDR 7,4 S		aquatherm green pipe SDR 6 S aquatherm green pipe SDR 7,4 MS		aquatherm green pipe SDR 7,4 MF		aquatherm green pipe SDR9 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)	28,0	(406)
	5	14,1	(205)	22,3	(324)	28,1	(408)	26,8	(389)	26,9	(390)
	10	13,7	(199)	21,7	(315)	27,3	(396)	26,1	(379)	26,5	(384)
	25	13,3	(193)	21,1	(306)	26,5	(385)	25,3	(367)	26,0	(377)
	50	12,9	(187)	20,4	(296)	25,7	(373)	24,5	(356)	25,6	(371)
30°C 86°F	1	12,8	(186)	20,2	(293)	25,5	(370)	24,3	(353)	24,5	(364)
	5	12,0	(174)	19,0	(276)	23,9	(347)	22,8	(331)	23,6	(355)
	10	11,6	(168)	18,3	(266)	23,1	(335)	22,0	(319)	23,2	(342)
	25	11,2	(163)	17,7	(257)	22,3	(324)	21,3	(309)	22,7	(336)
	50	10,9	(158)	17,3	(251)	21,8	(316)	20,7	(300)	22,3	(329)
40°C 104°F	1	10,8	(157)	17,1	(248)	21,5	(312)	20,5	(298)	21,3	(323)
	5	10,1	(147)	16,0	(232)	20,2	(293)	19,2	(279)	20,5	(318)
	10	9,8	(142)	15,6	(226)	19,6	(284)	18,7	(271)	20,1	(309)
	25	9,4	(136)	15,0	(218)	18,8	(273)	18,0	(261)	19,6	(297)
	50	9,2	(134)	14,5	(210)	18,3	(266)	17,5	(254)	19,3	(292)
50°C 122°F	1	9,2	(134)	14,5	(210)	18,3	(266)	17,5	(254)	18,4	(284)
	5	8,5	(123)	13,5	(196)	17,0	(247)	16,2	(235)	17,7	(280)
	10	8,2	(119)	13,1	(190)	16,5	(239)	15,7	(228)	17,3	(274)
	25	8,0	(116)	12,6	(183)	15,9	(231)	15,2	(221)	16,9	(267)
	50	7,7	(112)	12,2	(177)	15,4	(224)	14,7	(213)	16,6	(257)
60°C 140°F	1	7,7	(112)	12,2	(177)	15,4	(224)	14,7	(213)	15,8	(251)
	5	7,2	(104)	11,4	(165)	14,3	(208)	13,7	(199)	15,1	(245)
	10	6,9	(100)	11,0	(160)	13,8	(200)	13,2	(192)	14,8	(241)
	25	6,7	(97)	10,5	(152)	13,3	(193)	12,6	(183)	14,4	(236)
	50	6,4	(93)	10,1	(147)	12,7	(184)	12,1	(176)	14,1	(229)
Potable water (cold) Potable water (warm)	65°C 149°F	1	11,6	(168)	14,6	(212)	13,9	(202)	14,6	(219)	
		5	10,8	(157)	13,6	(197)	12,9	(187)	13,9	(215)	
		10	10,4	(151)	13,1	(190)	12,5	(181)	13,6	(209)	
		25	10,0	(145)	12,6	(183)	12,0	(174)	13,3	(205)	
		50	8,8	(128)	11,1	(161)	10,6	(154)	13,0	(212)	
	70°C 158°F	1	10,3	(149)	13,0	(189)	12,4	(180)	13,5	(202)	
		5	9,5	(138)	11,9	(173)	11,4	(165)	12,8	(197)	
		10	9,3	(135)	11,7	(170)	11,1	(161)	12,5	(193)	
		25	8,0	(116)	10,1	(147)	9,6	(139)	12,2	(189)	
		30	7,0	(102)	8,8	(128)	9,3	(135)	12,1	(196)	
50	6,7	(97)	8,5	(123)	8,1	(118)	11,9	(186)			

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

PERMISSIBLE WORKING PRESSURE

For heating systems or closed systems considering the seasonal periods of operation

Heating period	Temperatur	Service life	aquatherm blue pipe SDR 11 MF & SDR 11 OT, SDR 11 S		aquatherm blue pipe SDR 17,6 MF		aquatherm green pipe SDR 7,4 MF		aquatherm green pipe SDR 7,4 MS		aquatherm green pipe SDR 9 MF RP	
			Permissible working pressure in bar and (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	(098)	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	(094)	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	(097)	3,85	(56)	10,14	(147)	10,10	(146)		
		37,5	6,07	(088)	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	(085)	3,36	(49)	8,86	(129)	9,20	(133)		
		35	5,39	(078)	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	(096)	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	(090)	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	(088)	3,47	(50)	9,22	(134)	9,90	(144)		
		35	5,57	(081)	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	(093)	3,67	(53)	9,76	(142)	9,30	(135)		
		25	5,12	(074)	2,94	(43)	7,81	(113)	9,10	(132)		
		30	4,90	(071)	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	(094)	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	(096)	3,78	(55)	10,05	(146)	10,70	(155)		
		37,5	5,98	(087)	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	(082)	3,23	(47)	8,58	(124)	9,80	(142)		
		32,5	5,28	(077)	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	(085)	3,37	(49)	8,96	(130)	9,20	(133)		
		25	4,70	(068)	2,70	(39)	7,17	(104)	8,90	(129)		

* SDR = Standard Dimension Ratio (diameter/wall thickness ratio)
 $SDR = 2 \times S + 1 = d/s$
(S = Pipe series index from ISO 4065)

PERMISSIBLE WORKING PRESSURE

for general pressure pipe applications in permanent operation
 charted application ranges on page 149 and 150

Temperatur	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)									
10 °C	1	12,8	(186)	27,8	(403)	27,8	(403)	30,2	(438)	31,7	(460)
	5	12,0	(186)	26,2	(403)	26,2	(403)	28,2	(438)	30,6	(460)
	10	11,7	(170)	25,6	(371)	25,6	(371)	27,7	(402)	30,2	(438)
	25	11,4	(165)	24,7	(358)	24,7	(358)	26,9	(390)	29,6	(429)
	50	11,1	(161)	24,1	(350)	24,1	(350)	26,1	(379)	29,1	(422)
15 °C	100	10,8	(157)	23,5	(341)	23,5	(341)	25,2	(366)	28,7	(416)
	1	11,8	(171)	25,7	(373)	25,7	(373)	29,4	(426)	29,8	(432)
	5	11,1	(161)	24,2	(351)	24,2	(351)	27,4	(397)	28,7	(416)
	10	10,8	(157)	23,6	(342)	23,6	(342)	26,9	(390)	28,3	(410)
	25	10,5	(152)	22,8	(331)	22,8	(331)	26,1	(379)	27,7	(402)
20 °C	50	10,2	(148)	22,2	(322)	22,2	(322)	25,3	(367)	27,3	(396)
	100	9,9	(144)	21,6	(313)	21,6	(313)	24,5	(355)	26,9	(390)
	1	10,9	(158)	23,8	(345)	23,8	(345)	28,6	(415)	28,0	(406)
	5	10,3	(149)	22,3	(323)	22,3	(323)	26,8	(389)	26,9	(390)
	10	10,0	(145)	21,7	(315)	21,7	(315)	26,1	(379)	26,5	(384)
30 °C	25	9,6	(139)	21,0	(305)	21,0	(305)	25,3	(367)	26,0	(377)
	50	9,4	(136)	20,4	(296)	20,4	(296)	24,5	(355)	25,6	(371)
	100	9,1	(132)	19,9	(289)	19,9	(289)	23,7	(344)	25,1	(364)
	1	9,3	(135)	20,2	(293)	20,2	(293)	24,3	(352)	24,5	(355)
	5	8,7	(126)	18,9	(274)	18,9	(274)	22,8	(331)	23,6	(342)
40 °C	10	8,5	(123)	18,4	(267)	18,4	(267)	22,0	(319)	23,2	(336)
	25	8,2	(119)	17,8	(258)	17,8	(258)	21,3	(309)	22,7	(329)
	50	7,9	(115)	17,3	(251)	17,3	(251)	20,7	(300)	22,3	(323)
	100	7,7	(112)	16,8	(244)	16,8	(244)	20,0	(290)	21,9	(318)
	1	7,9	(115)	17,1	(248)	17,1	(248)	20,5	(297)	21,3	(309)
50 °C	5	7,4	(107)	16,0	(232)	16,0	(232)	19,2	(278)	20,5	(297)
	10	7,2	(104)	15,6	(226)	15,6	(226)	18,7	(271)	20,1	(292)
	25	6,9	(100)	15,0	(218)	15,0	(218)	18,0	(261)	19,6	(284)
	50	6,7	(097)	14,6	(212)	14,6	(212)	17,5	(254)	19,3	(280)
	100	6,5	(094)	14,1	(205)	14,1	(205)	16,8	(244)	18,9	(274)
60 °C	1	6,7	(097)	14,5	(210)	14,5	(210)	17,5	(254)	18,4	(267)
	5	6,2	(090)	13,5	(196)	13,5	(196)	16,2	(235)	17,7	(257)
	10	6,0	(087)	13,1	(190)	13,1	(190)	15,7	(228)	17,3	(251)
	25	5,8	(084)	12,6	(183)	12,6	(183)	15,2	(220)	16,9	(245)
	50	5,6	(081)	12,2	(177)	12,2	(177)	14,7	(213)	16,6	(241)
70 °C	100	5,5	(080)	11,9	(173)	11,9	(173)	14,1	(205)	16,3	(236)
	1	5,6	(081)	12,2	(177)	12,2	(177)	14,7	(213)	15,8	(229)
	5	5,2	(075)	11,4	(165)	11,4	(165)	13,7	(199)	15,1	(219)
	10	5,1	(074)	11,0	(160)	11,0	(160)	13,2	(191)	14,8	(215)
	25	4,9	(071)	10,6	(154)	10,6	(154)	12,6	(183)	14,4	(209)
80 °C	50	4,7	(068)	10,3	(149)	10,3	(149)	12,1	(175)	14,1	(205)
	1	4,7	(068)	10,3	(149)	10,3	(149)	12,4	(180)	13,5	(196)
	5	4,4	(064)	9,6	(139)	9,6	(139)	11,4	(165)	12,8	(186)
	10	4,2	(061)	9,2	(133)	9,2	(133)	11,1	(161)	12,5	(181)
	25	3,7	(054)	8,0	(116)	8,0	(116)	9,6	(139)	12,2	(177)
90 °C	50	3,1	(045)	6,8	(099)	6,8	(099)	8,1	(117)	11,9	(173)
	1	4,3	(062)	9,4	(136)	9,4	(136)	11,7	(170)	12,4	(180)
	5	4,0	(058)	8,7	(126)	8,7	(126)	10,8	(157)	11,8	(171)
	10	3,7	(054)	8,0	(116)	8,0	(116)	10,0	(145)	11,5	(167)
	25	3,0	(044)	6,4	(093)	6,4	(093)	8,0	(116)	11,2	(162)
90 °C	50	2,5	(036)	5,4	(078)	5,4	(078)	6,7	(97)	10,9	(158)
	1	4,0	(058)	8,6	(125)	8,6	(125)	10,4	(151)	11,3	(164)
	5	3,5	(051)	7,7	(112)	7,7	(112)	9,2	(133)	10,8	(157)
	10	3,0	(044)	6,5	(094)	6,5	(094)	7,8	(113)	10,5	(152)
	25	2,4	(035)	5,2	(075)	5,2	(075)	6,2	(90)	10,2	(148)
90 °C	1	3,3	(048)	7,2	(104)	7,2	(104)	8,7	(126)	9,5	(138)
	5	2,3	(033)	5,1	(074)	5,1	(074)	6,0	(87)	9,0	(131)
	10	2,0	(029)	4,3	(062)	4,3	(062)	5,1	(74)	8,8	(128)

* SDR = Standard Dimension Ratio (diameter/wall thickness ratio)
 $SDR = 2 \times S + 1 = d/s$
 (S = Pipe series index from ISO 4065)



Management
System
ISO 9001:2008
ISO 14001:2004
ISO 50001:2011
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