

Edition: 07.2015

2/2015



PRODUCT CATALOGUE 2/2015



aquatherm

state of the pipe



NEW ARTICLES SINCE THE LAST VERSION

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68	50510	Set of spare blades for manual scraper
68	99909	Chamfering tool
		aquatherm ti
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77	2270144	aquatherm blue pipe MF TI SDR 11 355 mm (length á 11.6 m)
77	2270125	aquatherm blue pipe MF TI SDR 17.6 125 mm (length á 5.8 m)
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All prices are for piece, m, m², kg or set.

Recommended retail price of the manufacturer.

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

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

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REBRANDING

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

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

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

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

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

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

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

System recommended due to its technical advantages: ●

Application of the system is suitable: ☒

Fields of application



potable water application



heating system construction



connection heating and cooling



underfloor heating



wall heating



ceiling heating and cooling



industrial floor cooling



industrial floor heating



chilled water technology



agriculture



sports floor heating and cooling



swimming-pool technology



chemical transport



rainwater application



irrigation



fire protection sprinkler-systems



application in the field of ship building



district heating pipeline systems



geothermal

short cuts structure of pipe

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

short cuts material

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

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

aquatherm green pipe

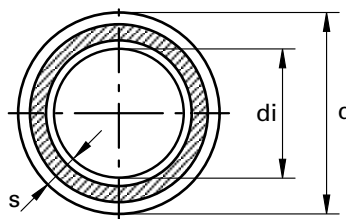
Pipe system made of polypropylene

for potable water supply

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

aquatherm green pipe SDR 9 MF RP

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



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

SDR	Art.-No.	Dimension d [mm]	Wall thickness s [mm]	Internal diameter di [mm]	Water content [l/m]	Weight [kg]	DN	PU [m]	Price € m/pc
9	Socket welding								
	370712	32	3,6	24,8	0,483	0,328	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	12,488	150	5,8	
	370738	250	27,9	194,2	29,605	19,422	200	5,8	
	370742	315	35,2	244,6	46,966	30,876	250	5,8	
	370744	355	39,7	275,6	59,625	39,202	-	5,8	

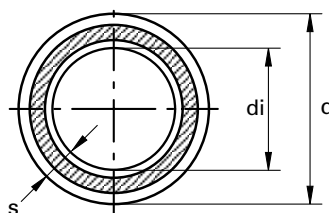
aquatherm green pipe SDR 7.4 MF

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:

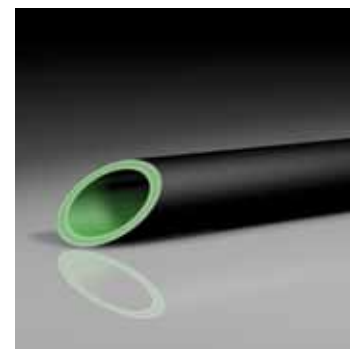


Mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-R.

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	0,157	15	100	
	70710	25	3,5	18,0	0,254	0,244	20	100	
	70712	32	4,4	23,2	0,423	0,391	25	40	
	70714	40	5,5	29,0	0,660	0,608	32	40	
	70716	50	6,9	36,2	1,029	0,948	40	20	
	70718	63	8,6	45,8	1,647	1,490	50	20	
	70720	75	10,3	54,4	2,323	2,120	-	20	
	70722	90	12,3	65,4	3,358	3,037	65	12	
	70724	110	15,1	79,8	4,999	4,546	80	8	
	70726	125	17,1	90,8	6,472	5,850	-	4	
	Butt welding								
	70730	160	21,9	116,2	10,599	9,559	125	5,8	
	70734	200	27,4	145,2	16,558	14,944	150	5,8	
	70738	250	34,2	181,6	25,901	23,312	175	5,8	
315-355		Dimensions 315 and 355 mm see aquatherm green pipe SDR 9 MF RP on page 7							

aquatherm green pipe SDR 9 MF RP UV

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



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

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

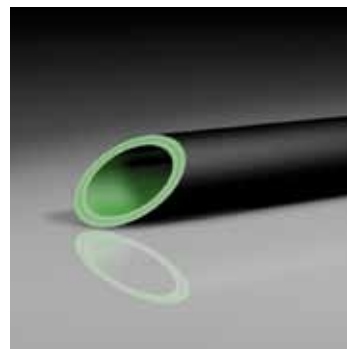
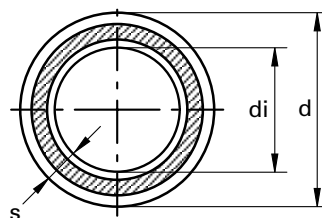
aquatherm green pipe

aquatherm blue pipe

aquatherm lilac pipe

aquatherm green pipe SDR 7.4 MF UV

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

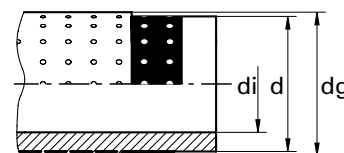
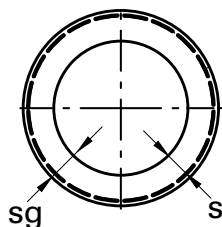


Resistant against UV-rays. Mechanically stabilized through a fiber mix integrated in the middle layer of the fusiolen® PP-R.

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	0,210	15	100	
	70760	25	3,5	18,0	0,254	0,314	20	100	
	70762	32	4,4	23,2	0,423	0,485	25	40	
	70764	40	5,5	29,0	0,660	0,728	32	40	
	70766	50	6,9	36,2	1,029	1,101	40	20	
	70768	63	8,6	45,8	1,647	1,686	50	20	
	70770	75	10,3	54,4	2,323	2,347	50	20	
	70772	90	12,3	65,4	3,358	3,378	65	12	
	70774	110	15,1	79,8	4,999	5,054	80	8	
	70776	125	17,1	90,8	6,472	6,494	-	4	
	Butt welding								
	70780	160	21,9	116,2	10,599	9,859	100	5,8	
	70784	200	27,4	145,2	16,550	15,273	150	5,8	
	70788	250	34,2	181,6	25,888	23,630	175	5,8	
315-355		Dimensions 315 and 355 mm see aquatherm green pipe SDR 9 MF RP UV on page 9							

aquatherm green pipe SDR 7.4 MS

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

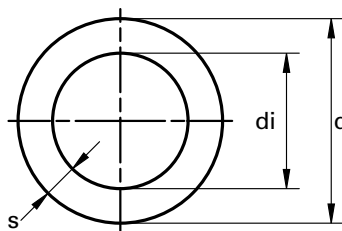


Mechanically stabilized through integrated aluminium-layer

SDR	Art.-No.	Dimension d [mm]	Wall thickness s [mm]	Internal diameter di [mm]	Water content [l/m]	Weight [kg]	DN	PU [m]	Price € m/pc
7.4	70806	16	2,2	11,6	0,106	0,144	12	100	
	70808	20	2,8	14,4	0,163	0,216	15	100	
	70810	25	3,5	18,0	0,254	0,296	20	100	
	70812	32	4,5	23,0	0,415	0,471	25	40	
	70814	40	5,6	28,8	0,651	0,670	32	40	
	70816	50	6,9	36,2	1,029	1,025	40	20	
	70818	63	8,7	45,6	1,632	1,530	50	20	
	70820	75	10,4	54,4	2,306	2,197	-	20	
	70822	90	12,5	65,4	3,317	3,226	65	12	
	70824	110	15,2	79,8	4,974	4,735	80	8	
	70856*	16	2,2	11,6	0,106	0,150	12	100	

aquatherm green pipe SDR 6 / 7.4 S

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



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

aquatherm green pipe

aquatherm blue pipe

aquatherm lilac pipe

aquatherm green pipe SDR 11 S / MF

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

Material: fusiolen PP-R

Pipe series: SDR 11/ S5

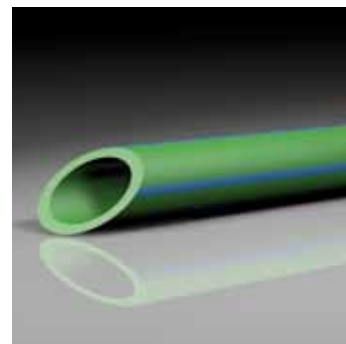
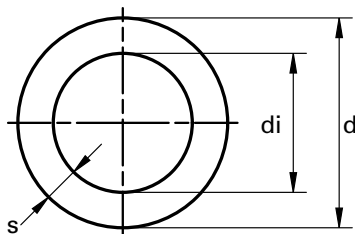
Standards: DIN 8077 / 78, DIN EN ISO 15874,
ASTM F 2389, CSA B 137.11

Colour: green with 4 blue stripes

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

Packing Unit: PU in Meter

Application:



SDR	Art.-No.	Dimension d [mm]	Wall thickness s [mm]	Internal diameter di [mm]	Water content [l/m]	Weight [kg]	DN	PU [m]	Price € m/pc
11	<i>Socket welding</i>								
	10208	20	1,9	16,2	0,206	0,108	15	100	
	10210	25	2,3	20,4	0,327	0,165	20	100	
	10212	32	2,9	26,2	0,539	0,261	25	40	
	10214	40	3,7	32,6	0,834	0,414	32	40	
	10216	50	4,6	40,8	1,307	0,641	40	20	
	10218	63	5,8	51,4	2,074	1,012	50	20	
	10220	75	6,8	61,4	2,959	1,411	65	20	
	10222	90	8,2	73,6	4,252	2,043	80	12	
	10224	110	10,0	90,0	6,359	3,026	-	8	
	10226	125	11,4	102,2	8,199	3,924	100	4	
	10308*	20	1,9	16,2	0,206	0,108	15	100	
	10310*	25	2,3	20,4	0,327	0,165	20	100	
	10312*	32	2,9	26,2	0,539	0,261	25	50	
	<i>Butt welding</i>								
	10230	160	14,6	130,8	13,430	6,415	125	5,8	
	10234	200	18,2	163,6	21,010	9,992	150	5,8	
	10238	250	22,7	204,6	32,861	15,548	200	5,8	
	10242	315	28,6	257,8	52,172	24,664	250	5,8	
	10244	355	32,2	290,6	66,325	31,300	300	5,8	
	10246 ¹⁾	400	36,3	327,6	84,290	39,734	300	5,8	
	10248 ¹⁾	450	40,9	368,2	106,477	50,292	400	5,8	

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

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

aquatherm blue pipe

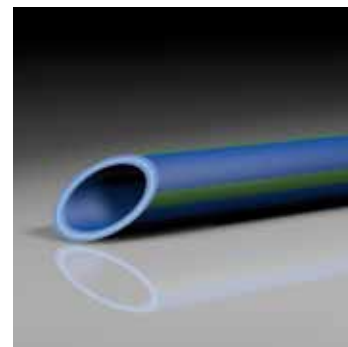
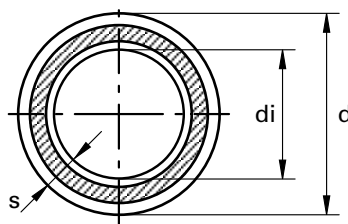
Pipe system made of polypropylene

for chilled, hot fluid and various industrial applications

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

aquatherm blue pipe SDR 7.4 / 11 / 17.6 MF

Structure of pipe:	MF = multilayer, with fibre reinforced
Material:	fusiolen PP-R
Pipe series:	SDR 7.4 / S 3.2 & SDR11 / S 5 & SDR 17.6 / S 8.3
Standards:	SKZ HR 3.28, ASTM F 2389, CSA B 137.11, ISO 21003
Colour:	blue with 4 wider green stripes
Form supplied:	ø 20-125 mm straight lengths 4 m ø 160-630 mm straight lengths 5.8 m
Packing Unit:	PU in meter
Application:	



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

SDR	Art.-No.	Dimension d [mm]	Wall thickness s [mm]	Internal diameter di [mm]	Water content [l/m]	Weight [kg]	DN	PU [m]	Price € m/pc
7.4	Socket welding								
	2070708	20	2,8	14,4	0,163	0,157	15	100	
	2070710	25	3,5	18,0	0,254	0,244	20	100	
	2070712	32	4,4	23,2	0,423	0,391	25	40	
11	2070112	32	2,9	26,2	0,539	0,275	25	40	
	2070114	40	3,7	32,6	0,834	0,435	32	40	
	2070116	50	4,6	40,8	1,307	0,674	40	20	
	2070118	63	5,8	51,4	2,074	1,065	50	20	
	2070120	75	6,8	61,4	2,959	1,485	65	20	
	2070122	90	8,2	73,6	4,252	2,150	80	12	
	2070124	110	10,0	90,0	6,359	3,185	-	8	
	2070126	125	11,4	102,2	8,199	4,130	100	4	
	Butt welding								
	2070130	160	14,6	130,8	13,430	6,751	125	5,8	
	2070134	200	18,2	163,6	21,010	10,515	150	5,8	
	2070138	250	22,7	204,6	32,861	16,363	200	5,8	
	2070142	315	28,6	257,8	52,172	25,958	250	5,8	
	2070144	355	32,2	290,6	66,29	32,941	300	5,8	
	2070146	400	36,3	327,6	84,290	41,818	300	5,8	
	2070148	450	40,9	368,2	106,477	52,930	400	5,8	
17.6	Socket welding								
	2570126	125	7,1	110,8	9,637	2,697	100	4	
	Butt welding								
	2570130	160	9,1	141,8	15,792	4,574	150	5,8	
	2570134	200	11,4	177,2	24,661	7,081	200	5,8	
	2570138	250	14,2	221,6	38,568	10,949	250	5,8	
	2570142	315	17,9	279,2	61,223	17,245	300	5,8	
	2570144	355	20,1	314,8	77,832	21,806	350	5,8	
	2570146	400	22,7	354,6	98,756	27,638	350	5,8	
	2570148	450	25,5	399,0	125,036	34,858	400	5,8	
	2570150	500	28,4	443,2	154,272	43,048	450	5,8	
	2570152	560	31,7	496,6	193,688	53,706	500	5,8	
	2570154	630	35,7	558,6	245,070	67,917	500	5,8	

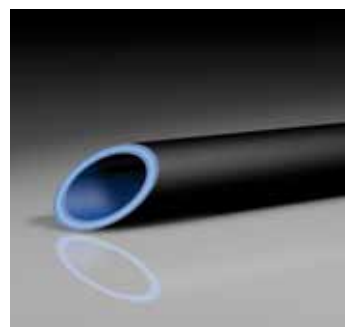
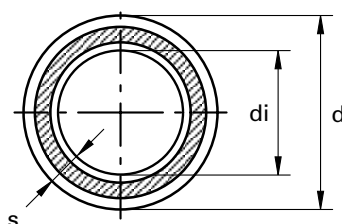
aquatherm green pipe

aquatherm blue pipe

aquatherm lilac pipe

aquatherm blue pipe SDR 7.4 / 11 / 17.6 MF UV

Structure of pipe:	MF = multilayer, with fibre reinforced
Special feature of pipe:	UV resistant
Material:	fusiolen PP-R
Pipe series:	SDR 7.4 / S 3.2 & SDR11/SDR 17.6 / S 8.3
Standards:	SKZ HR 3.28, ASTM F 2389, CSA B 137.11, ISO 21003
Colour:	outside: black, inside: blue
Form supplied:	ø 20-125 mm straight lengths 4 m ø 160-250 mm straight lengths 5.8 m
Packing Unit:	PU in meter
Application:	

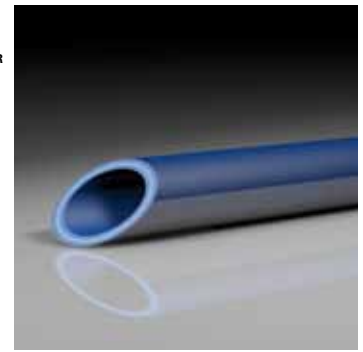
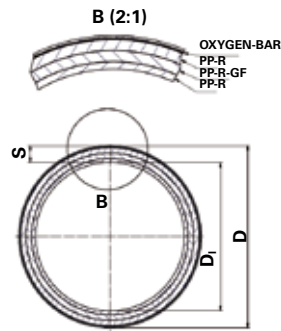


UV-resistant. Mechanically stabilized by a fibre mixture, integrated in the middle layer of fusiolen PP-R.

SDR	Art.-No.	Dimension d [mm]	Wall thickness s [mm]	Internal diameter di [mm]	Water content [l/m]	Weight [kg]	DN	PU [m]	Price € m/pc
7.4	Socket welding								
	2070758	20	2,8	14,4	0,163	0,210	15	100	
	2070760	25	3,5	18,0	0,254	0,314	20	100	
11	2070762	32	4,4	23,2	0,423	0,484	20	40	
	2070162	32	2,9	26,2	0,539	0,368	25	40	
	2070164	40	3,7	32,6	0,834	0,555	32	40	
	2070166	50	4,6	40,8	1,307	0,827	40	20	
	2070168	63	5,8	51,4	2,074	1,260	50	20	
	2070170	75	6,8	61,4	2,959	1,712	65	20	
	2070172	90	8,2	73,6	4,252	2,491	80	12	
	2070174	110	10,0	90,0	6,359	3,693		8	
	2070176	125	11,4	102,2	8,199	4,774	100	4	
	Butt welding								
	2070180	160	14,6	130,8	13,430	7,051	125	5,8	
	2070184	200	18,2	163,6	21,010	10,845	150	5,8	
	2070188	250	22,7	204,6	32,861	16,681	200	5,8	
	2070192	315	28,6	257,8	52,172	26,217	250	5,8	
	2070194	355	32,2	290,6	66,292	33,153	300	5,8	
	2070196	400	36,3	327,4	84,145	41,937	300	5,8	
	2070198	450	40,9	368,2	106,423	52,997	400	5,8	
17.6	2570180	160	9,1	141,8	15,784	4,707	150	5,8	
	2570184	200	11,4	177,2	24,649	7,201	200	5,8	
	2570188	250	14,2	221,6	38,549	11,006	250	5,8	
	2570192	315	17,9	279,2	61,193	17,174	300	5,8	
	2570194	355	20,1	314,8	77,793	21,647	350	5,8	
	2570196	400	22,7	354,6	98,707	27,339	350	5,8	
	2570198	450	25,5	399	124,973	34,454	400	5,8	
	2570200	500	28,4	443,2	154,195	42,525	450	5,8	
	2570202	560	31,7	496,6	193,590	52,994	500	5,8	
	2570204	630	35,7	558,6	244,947	66,976	500	5,8	

aquatherm blue pipe SDR 7.4 / 11 MF OT

Structure of pipe:	MF = multilayer, with fibre reinforced
Special feature of pipe:	OT = oxygen tight
Material:	fusiolen PP-R
Pipe series:	SDR 7.4 / S 3.2 & SDR11 / S 5
Standards:	DIN 8077 / 78, DIN EN ISO 15874, ASTM F 2389, CSA B 137.11, ISO 21003
Colour:	blue
Form supplied:	ø 20-125 mm straight lengths 4 m ø 160-250 mm straight lengths 5,8 m
Packing Unit:	PU in meter
Application:	



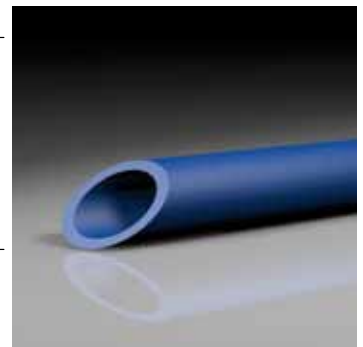
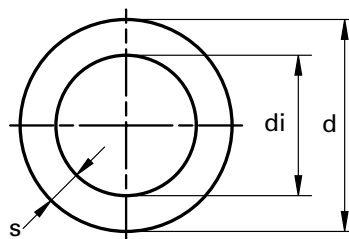
Oxygen tight by diffusion barrier.

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

SDR	Art.-No.	Dimension d [mm]	Wall thickness s [mm]	Internal diameter di [mm]	Water content [l/m]	Weight [kg]	DN	PU [m]	Price € m/pc
<i>Socket welding</i>									
7.4	2170708	20	2,8	14,4	0,163	0,211	15	100	
	2170710	25	3,5	18,0	0,254	0,316	20	100	
	2170712	32	4,4	23,2	0,423	0,488	20	40	
11	2170114	40	3,7	32,6	0,834	0,562	32	40	
	2170116	50	4,6	40,8	1,307	0,809	40	20	
	2170118	63	5,8	51,4	2,074	1,279	50	20	
	2170120	75	6,8	61,4	2,959	1,739	65	20	
	2170122	90	8,2	73,6	4,252	2,983	80	12	
	2170124	110	10	90,0	6,359	3,752		8	
	2170126	125	11,4	102,2	8,199	4,857	100	4	
	<i>Butt welding</i>								
	2170130	160	14,6	130,8	13,430	6,888	125	5,8	
	2170134	200	18,2	163,6	21,010	10,687	150	5,8	
	2170138	250	22,7	204,6	32,861	16,578	200	5,8	

aquatherm blue pipe - SDR 11 S

Structure of pipe:	S (single)
Material:	fusiolen PP-R
Pipe series:	SDR 11 / S 5
Standards:	DIN 8077 / 78, DIN EN ISO 15874, ASTM F 2389, CSA B 137.11, NSF 14, ISO 21003
Colour:	blue
Form supplied:	4 m straight lengths, also* in coils
Packing Unit:	PU in meter
Application:	



SDR	Art.-No.	Dimension d [mm]	Wall thickness s [mm]	Internal diameter di [mm]	Water content [l/m]	Weight [kg]	DN	PU [m]	Price € m/pc
11	2010208	20	1,9	16,2	0,206	0,108	15	100	
	2010210	25	2,3	20,4	0,327	0,165	20	100	
	2010212	32	2,9	26,2	0,539	0,261	25	40	
	2010308*	20	1,9	16,2	0,206	0,108	15	100	
	2010310*	25	2,3	20,4	0,327	0,165	20	100	
	2010312*	32	2,9	26,2	0,539	0,261	25	50	

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

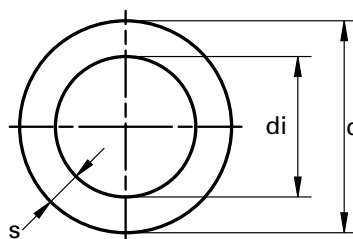
aquatherm lilac pipe

Pipe system made of polypropylene
for reclaimed

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

aquatherm lilac pipe SDR 7.4 / 11 S

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

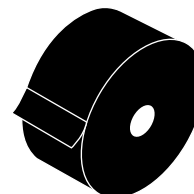


SDR	Art.-No.	Dimension d [mm]	Wall thickness s [mm]	Internal diameter di [mm]	Water content [l/m]	Weight [kg]	DN	PU [m]	Price € m/pc
7.4	9010808	20	2,8	14,4	0,163	0,149	15	100	
	9010810	25	3,5	18,0	0,254	0,232	20	100	
11	9010212	32	2,9	26,2	0,539	0,261	25	40	
	9010214	40	3,7	32,6	0,834	0,414	32	40	
	9010216	50	4,6	40,8	1,307	0,641	40	20	
	9010218	63	5,8	51,4	2,074	1,012	50	20	
	9010220	75	6,8	61,4	2,959	1,411	65	20	
	9010222	90	8,2	73,6	4,252	2,042	80	12	
	9010224	110	10,0	90,0	6,359	3,026	-	8	
	9010226	125	11,4	102,2	8,199	3,924	100	4	

ADHESIVE TAPE TO PROTECT AGAINST UV-RADIATION

for aquatherm MF UV pipes

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

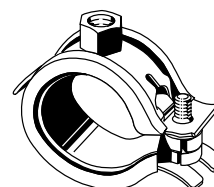


PIPE CLAMPS

suitable for sliding and fixed point installation

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

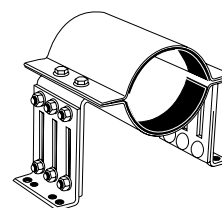
Art.-No.	for pipe dimension	PU	Box unit	Price € m/pc
60516	16 mm	50		
60520	20 mm	50		
60525	25 mm	50		
60532	32 mm	50		
60540	40 mm	50		
60550	50 mm	50		
60563	63 mm	25		
60575	75 mm	25		
60590	90 mm	25		
60594	110 mm	25		
60595	125 mm	25		
60597	160 mm	25		
60650	200 mm	1		
60654	250 mm	1		
60658	315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



PIPE CLAMPS

suitable for fixed point installation

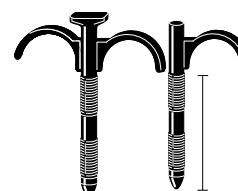
Art.-No.	for pipe dimension	PU	Box unit	Price € m/pc
60768	160 mm	1		
60770	200 mm	1		
60774	250 mm	1		
60778	315 mm	1		
60780	355 mm	1		
60782	400 mm	1		
60784	450 mm	1		
60786	500 mm	1		
60788	560 mm	1		
60790	630 mm	1		



PIPE FASTENING BOW

suitable for ø 16-32 mm pipes

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



aquatherm green pipe

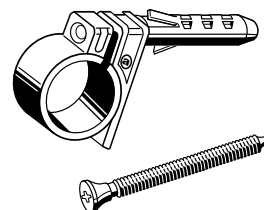
aquatherm blue pipe

aquatherm lilac pipe

PLASTIC PIPE CLAMPS

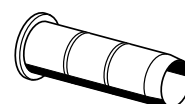
suitable for $\varnothing$ 16-40 mm pipes

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



PIPE SUPPORT

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



SOCKET

Systems:

aquatherm green pipe,
aquatherm blue pipe, aquatherm lilac pipe

Material:

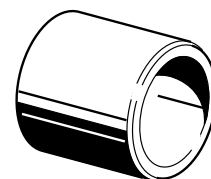
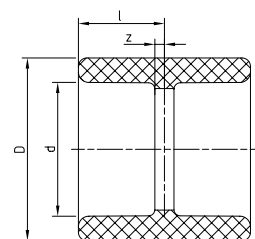
Fusiolen® PP-R

Standard:

DIN 16962, DIN EN ISO 15874

Colour:

green



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

REDUCING SOCKET FEMALE/FEMALE

Systems:

aquatherm green pipe,
aquatherm blue pipe, aquatherm lilac pipe

Material:

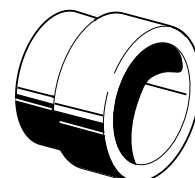
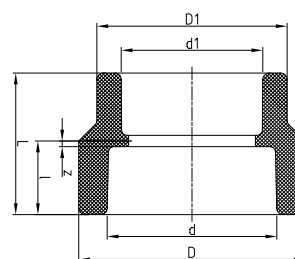
Fusiolen® PP-R

Standard:

DIN 16962, DIN EN ISO 15874

Colour:

green



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

REDUCING SOCKET, SOCKET WELDING

Systems:

aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material:

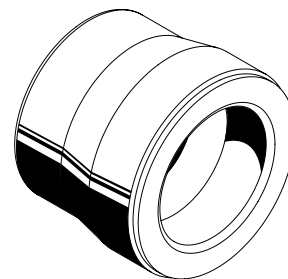
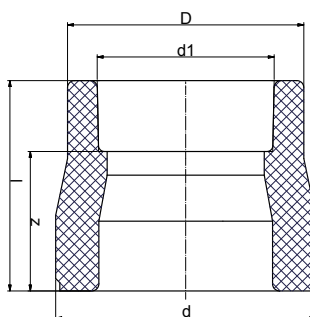
Fusiolen® PP-R

Standard:

DIN 16962, DIN EN ISO 15874

Colour:

green



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

aquatherm green pipe

aquatherm blue pipe

aquatherm lilac pipe

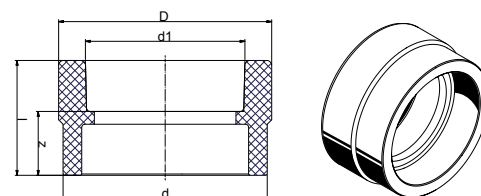
REDUCING SOCKET, SOCKET & BUTT WELDING

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: Fusiolen® PP-R & PP-RP

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



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

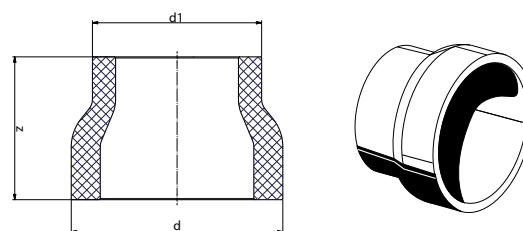
REDUCING SOCKET, BUTT WELDING

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: Fusiolen® PP-R & PP-RP

Standard: DIN 16962, DIN EN ISO 15874

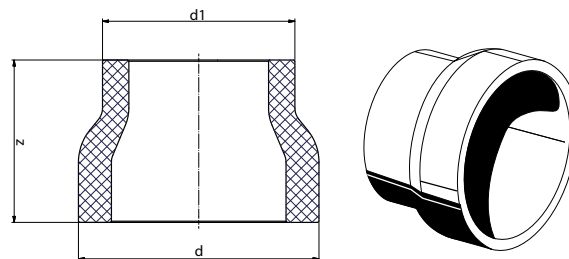
Colour: green



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

REDUCING SOCKET, BUTT WELDING

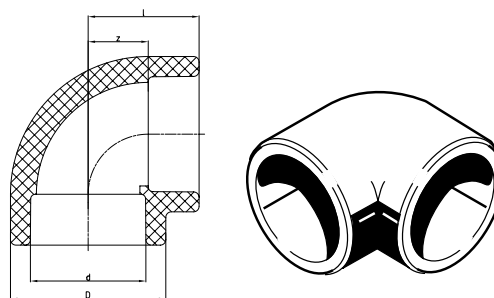
Systems: aquatherm blue pipe
Material: Fusiolen® PP-R
Standard: DIN 16962, DIN EN ISO 15874
Colour: green



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

ELBOW 90°

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



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

ELBOW 90° BUTT WELDING

Systems:

aquatherm green pipe, aquatherm blue pipe

Material:

Fusiofen® PP-R & PP-RP

Standard:

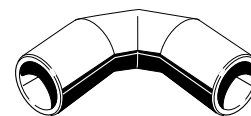
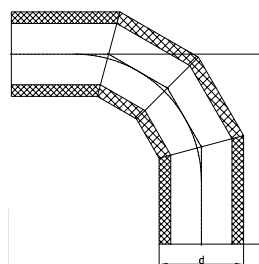
DIN 16962, DIN EN ISO 15874

Notice

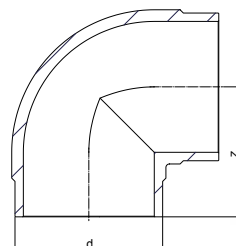
There is a gradual conversion of the XXL-fittings made of pipe segments to an injection molded design. The table shows which articles are already available in new design at the time of printing this catalogue. In the aquatherm technews we will inform you of further changes, but first the current stock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

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

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



Fitting made of pipe segments



Injection molded fitting
Colour: green

SDR	Art.-No.	Dimension d [mm]	z	Weight [kg]	System	pipe segments	NEW injection molded* (green)	PU	Box unit	Price € m/pc
<i>butt welding</i>										
7.4	12130	160	145,00	2,561	•	•	•	1	8	
	12134	200	450,00	11,685	•	•	•	1	16	
	12138	250	625,00	26,000	•	•	•	1	7	
9	312130	160	145,00	2,371	•	•	•	1		
	312134	200	175,00	4,339	•	•	•	1		
	312138	250	220,00	8,250	•	•	•	1		
	312142	315	773,00	42,300	•	•	•	1		
	312144	355	833,00	57,628	•	•	•	1		
11	12131	160	145,00	2,145	•	•	•	1	8	
	12135	200	175,00	4,056	•	•	•	1	12	
	12139	250	220,00	7,331	•	•	•	1	6	
	12143	315	773,00	37,850	•	•	•	1	2	
	12145	355	833,00	37,400	•	•	•	1		
	12147 ¹⁾	400	900,00	62,800	•	•	•	1		
	12149 ¹⁾	450	975,00	89,500	•	•	•	1		
11	2012143	315	773,00	37,300	•	•	•	1		
	2012145	355	833,00	57,074	•	•	•	1		
	2012147	400	900,00	74,500	•	•	•	1		
	2012149	450	975,00	89,080	•	•	•	1		
17.6	2512130	160	145,00	1,642	•	•	•	1		
	2512134	200	175,00	3,118	•	•	•	1		
	2512138	250	220,00	5,623	•	•	•	1		
	2512142	315	773,00	24,000	•	•	•	1		
	2512144	355	833,00	32,000	•	•	•	1		
	2512146	400	900,00	42,549	•	•	•	1		
	2512148	450	975,00	62,200	•	•	•	1		
	2512150	500	1100,00	91,000	•	•	•	1		
	2512152	560	1190,00	108,779	•	•	•	1		
	2512154	630	1295,00	164,600	•	•	•	1		

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

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

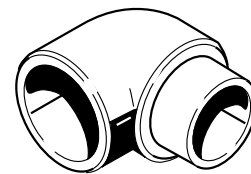
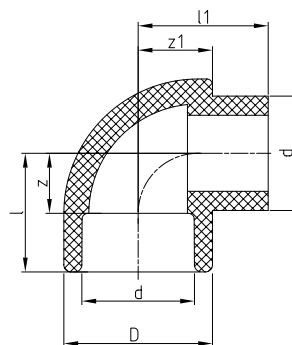
ELBOW 90° FEMALE/MALE

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

Material: Fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	Dimension d [mm]	z	l	D	L1	z1	Weight [kg]	System	PU	Box unit	Price € m/pc
<i>socket welding</i>												
6 7.4 9 11	12306	16	9,00	22,00	24,50	21,75	12,00	0,010	•	10	2000	
	12308	20	11,00	25,50	29,50	25,50	15,00	0,017	• • •	10	1200	
	12310	25	13,50	29,50	34,00	29,50	17,00	0,023	• • •	10	800	
	12312	32	17,00	35,00	43,00	39,00	21,50	0,048	• • •	5	400	
	12314	40	21,00	41,50	52,00	45,50	26,00	0,080	• • •	5	300	

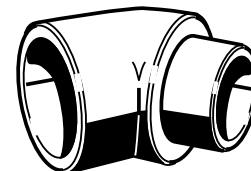
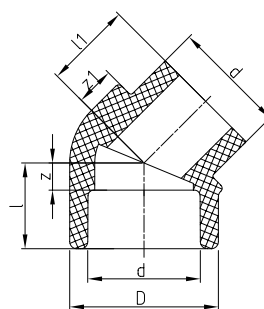
ELBOW 45° FEMALE/MALE

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

Material: Fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	Dimension d [mm]	z	l	D	L1	z1	Weight [kg]	System	PU	Box unit	Price € m/pc
<i>socket welding</i>												
6 7.4 9 11	12708	20	5,00	19,50	29,50	19,50	9,00	0,013	• • •	10	1500	
	12710	25	6,00	22,00	34,00	22,00	8,50	0,017	• • •	10	1000	
	12712	32	7,50	25,50	43,00	28,50	11,50	0,036	• • •	5	500	
	12714	40	9,50	30,00	52,00	30,50	13,50	0,057	• • •	5	300	

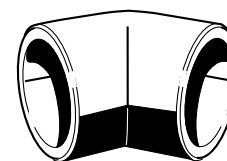
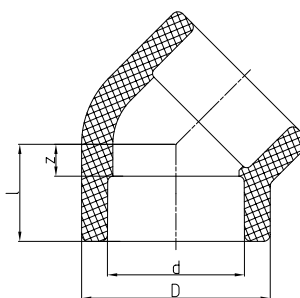
ELBOW 45° SOCKET WELDING

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

Material: Fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



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

ELBOW 45° BUTT WELDING

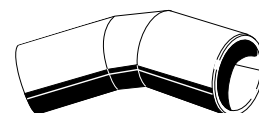
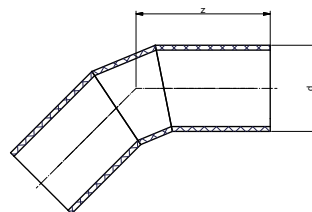
Systems: aquatherm green pipe, aquatherm blue pipe
Material: Fusiolen® PP-R & PP-RP
Standard: DIN 16962, DIN EN ISO 15874

Notice

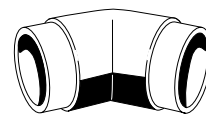
There is a gradual conversion of the XXL-fittings made of pipe segments to an injection molded design. The table shows which articles are already available in new design at the time of printing this catalogue. In the aquatherm technews we will inform you of further changes, but first the current stock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

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

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



Fitting made of
pipe segments



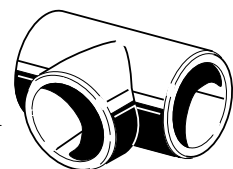
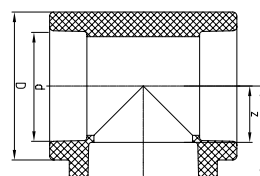
Injection molded fitting
Colour: green

SDR	Art.- No.	Dimension d [mm]	z	Weight [kg]	System	pipe segments	injection molded*	PU	Box unit	Price € m/pc
<i>butt welding</i>										
7.4	12530	160	95,00	1,903	•	•		1		
	12534	200	274,00	8,175	•	•		1		
	12538	250	412,00	20,500	•	•		1		
9	312530	160	250,00	3,994	•	•		1		
	312534	200	274,00	6,745	•	•		1		
	312538	250	412,00	15,928	•	•		1		
	312542	315	517,00	30,567	•	•		1		
	312544	355	520,00	40,771	•	•		1		
11	12531	160	95,00	1,393	•	•		1		
	12535	200	274,00	5,735	•	•		1		
	12539	250	412,00	13,000	•	•		1		
	12543	315	517,00	27,300	•	•		1		
	12545	355	520,00	26,650	•	•		1		
	12547 ¹⁾	400	548,00	44,900	•	•		1		
	12549 ¹⁾	450	580,00	60,500	•	•		1		
¹⁾ mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-R										
11	2012535	200	274,00	6,285	•	•		1		
	2012539	250	412,00	14,181	•	•		1		
	2012543	315	517,00	27,100	•	•		1		
	2012545	355	520,00	38,158	•	•		1		
	2012547	400	548,00	44,712	•	•		1		
	2012549	450	580,00	60,260	•	•		1		
17.6	2512530	160	249,00	1,730	•	•		1		
	2512534	200	274,00	3,672	•	•		1		
	2512538	250	412,00	9,400	•	•		1		
	2512542	315	498,00	18,000	•	•		1		
	2512544	355	520,00	22,058	•	•		1		
	2512546	400	548,00	30,800	•	•		1		
	2512548	450	580,00	39,123	•	•		1		
	2512550	500	665,00	55,112	•	•		1		
	2512552	560	698,00	72,519	•	•		1		
	2512554	630	741,00	97,148	•	•		1		

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

T-PIECE SOCKET WELDING

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



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

T-PIECE BUTT WELDING

Systems:

aquatherm green pipe,
aquatherm blue pipe

Material:

Fusiolen® PP-R & PP-RP

Standard:

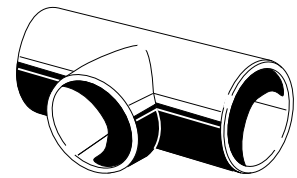
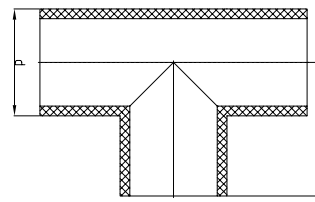
DIN 16962, DIN EN ISO 15874

Notice

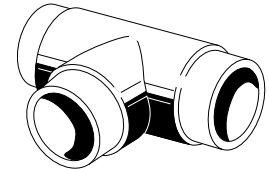
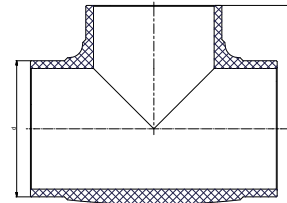
There is a gradual conversion of the XXL-fittings made of pipe segments to an injection molded design. The table shows which articles are already available in new design at the time of printing this catalogue. In the aquatherm technews we will inform you of further changes, but first the current stock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

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

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



Fitting made of
pipe segments



Injection molded fitting
Colour: green

SDR	Art.-No.	Dimension d [mm]	z	Weight [kg]	System	pipe segments	NEW injection molded* (green)	PU	Box unit	Price € m/pc
<i>butt welding</i>										
7.4	13130	160	145,00	3,600	•	•		1	5	
	13134	200	250,00	9,825	•	•		1	2	
	13138	250	375,00	24,000	•	•		1	8	
NEW 9	313130	160	145,00		•		•	1		
	313134	200	250,00	9,367	•	•		1		
	313138	250	375,00	21,949	•	•		1		
	313142	315	460,00	42,609	•	•		1		
	313144	355	480,00	56,452	•	•		1		
NEW 11	13131	160	145,00	3,005	•	•	•	1	5	
	13135	200	250,00	6,865	•	•		1	2	
	13139	250	375,00	16,000	•	•		1	8	
	13143	315	460,00	20,450	•	•		1		
	13145	355	480,00	45,072	•	•		1		
	13147¹⁾	400	500,00	63,100	•	•		1		
	13149¹⁾	450	525,00	83,300	•	•		1		
<i>1) mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-R</i>										
11	2013135	200	250,00	8,171	•	•		1		
	2013139	250	375,00	18,827	•	•		1		
	2013143	315	460,00	36,674	•	•		1		
	2013145	355	480,00	40,000	•	•		1		
	2013147	400	500,00	62,100	•	•		1		
	2013149	450	525,00	82,792	•	•		1		
NEW 17.6	2513130	160	145,00	2,348	•		•	1		
	2513134	200	250,00	4,660	•	•		1		
	2513138	250	375,00	11,500	•	•		1		
	2513142	315	460,00	19,800	•	•		1		
	2513144	355	480,00	27,500	•	•		1		
	2513146	400	500,00	40,395	•	•		1		
	2513148	450	525,00	45,400	•	•		1		
	2513150	500	600,00	75,726	•	•		1		
	2513152	560	630,00	99,320	•	•		1		
	2513154	630	665,00	122,500	•	•		1		

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

NEW aquatherm blue pipe Y-TEES

Special fittings - available on inquiry

ATTENTION - PLEASE NOTE!

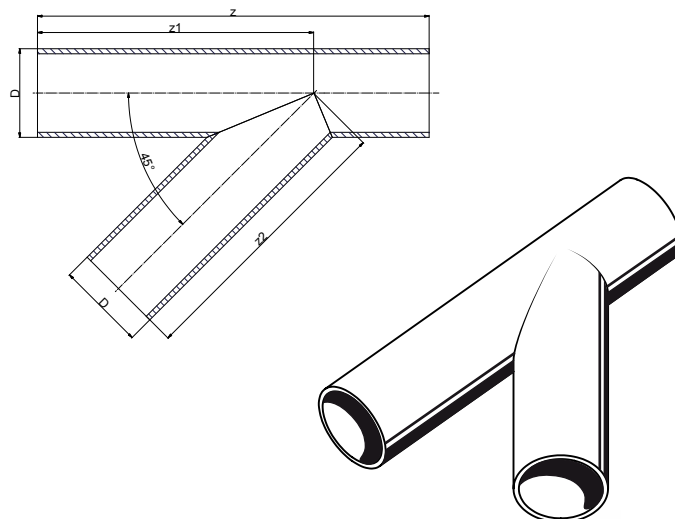
The branches are used for **special applications** in **non-pressurized** area, e.g. in the vacuum dewatering in shipbuilding. Y-tees may **under no circumstances** be exposed to the pressures mentioned in the tables „Permissible working pressure“ on page 163 to 165.

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

Material: Fusiolen® PP-R

Standard: DIN16962-2

Colour: blue



SDR	Art.-No.	Dimension D [mm]	z	z1	z2	Weight [kg]	System	PU	Box unit	Price € m/pc
<i>socket welding</i>										
11	2013018	63	560,00	380,00	380,00		• • •	1		
	2013020	75	570,00	405,00	405,00		• • •	1		
	2013022	90	577,00	412,00	412,00		• • •	1		
	2013024	110	610,00	435,00	435,00		• • •	1		
	2013026	125	665,00	475,00	475,00		• • •	1		
<i>butt welding</i>										
	2013031	160	782,00	551,00	551,00		• •	1		
	2013035	200	925,00	650,00	650,00		• •	1		
	2013039	250	1105,00	780,00	780,00		• •	1		
<i>socket welding</i>										
17.6	2513026	125	665,00	475,00	475,00		• •	1		
	<i>butt welding</i>									
	2513030	160	782,00	551,00	551,00		• •	1		
	2513034	200	925,00	650,00	650,00		• •	1		
	2513038	250	1105,00	780,00	780,00		• •	1		

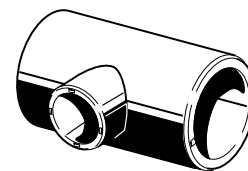
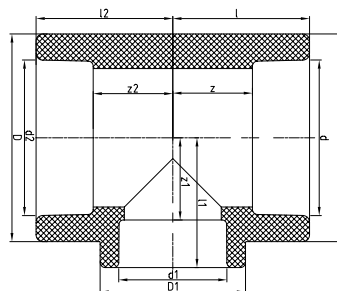
RED.- T-PIECE, SOCKET WELDING

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 17.6	13506	20	16	16	25,50	25,50	25,50	11,00	12,00	12,50	29,50	29,50	0,025	•	10	1000	
	13508	20	16	20	25,50	25,50	25,50	11,00	12,00	11,00	29,50	29,50	0,024	•	10	1000	
	13510	20	20	16	25,50	25,50	25,50	11,00	11,00	12,50	29,50	29,50	0,023	•	10	1000	
	13511	20	25	20	31,00	30,50	31,00	16,50	14,50	16,50	34,00	34,00	0,040	• • •	10	500	
	13512	25	16	16	31,00	30,50	31,00	15,00	17,50	18,00	34,00	34,00	0,043	•	10	500	
	13514	25	16	20	31,00	30,50	31,00	15,00	17,50	16,50	34,00	34,00	0,041	•	10	500	
	13516	25	16	25	31,00	30,50	31,00	15,00	17,50	15,00	34,00	34,00	0,038	•	10	500	
	13520	25	20	20	31,00	30,50	31,00	15,00	16,00	16,50	34,00	34,00	0,039	• • •	10	500	
	13522	25	20	25	31,00	30,50	31,00	15,00	16,00	15,00	34,00	34,00	0,036	• • •	10	500	
	13528	32	16	32	35,00	31,00	35,00	17,00	18,00	17,00	43,00	29,50	0,053	• • •	5	300	
	13532	32	20	20	36,50	37,00	36,50	18,75	22,50	22,25	43,00	43,00	0,076	• • •	5	300	
	13534	32	20	32	35,00	31,00	35,00	17,00	16,50	17,00	43,00	29,50	0,053	• • •	5	300	
	13538	32	25	25	35,00	34,50	35,00	17,00	18,50	15,00	43,00	43,00	0,069	• • •	5		
	13540	32	25	32	35,00	34,50	35,00	17,00	18,50	17,00	43,00	43,00	0,050	• • •	5	300	
	13542	40	20	40	41,50	36,00	41,50	21,00	21,50	21,00	52,00	34,00	0,091	• • •	5	200	
	13544	40	25	40	41,50	36,00	41,50	21,00	20,00	21,00	52,00	34,00	0,089	• • •	5	200	
	13546	40	32	40	42,00	40,50	42,00	21,50	22,50	21,50	52,00	52,00	0,092	• • •	5	200	
	13547	50	20	50	49,50	40,50	49,50	26,00	26,00	26,00	68,00	29,50	0,162	• • •	5	100	
	13548	50	25	50	49,50	44,50	49,50	26,00	28,50	26,00	68,00	43,00	0,157	• • •	5	100	
	13550	50	32	50	49,50	44,50	49,50	26,00	26,50	26,00	68,00	43,00	0,160	• • •	5	100	
	13551	50	40	50	49,50	49,50	49,50	26,00	29,00	26,00	68,00	68,00	0,161	• • •	5	100	
	13552	63	20	63	60,00	48,50	60,00	32,50	34,00	32,50	84,00	34,00	0,335	• • •	1	50	
	13554	63	25	63	60,00	48,50	60,00	32,50	32,50	32,50	84,00	34,00	0,331	• • •	1	50	
	13556	63	32	63	60,00	53,50	60,00	32,50	35,50	32,50	84,00	52,00	0,340	• • •	1	50	
	13558	63	40	63	60,00	53,50	60,00	32,50	33,00	32,50	84,00	52,00	0,332	• • •	1	50	
	13560	63	50	63	60,00	60,00	60,00	32,50	36,50	32,50	84,00	84,00	0,398	• • •	1	50	
	13561	75	20	75	68,50	54,50	68,50	38,50	40,00	38,50	100,00	34,00	0,501	• • •	1	35	
	13562	75	25	75	68,50	54,50	68,50	38,50	38,50	38,50	100,00	34,00	0,497	• • •	1	35	
	13564	75	32	75	68,50	59,00	68,50	38,50	41,00	38,50	100,00	52,00	0,505	• • •	1	35	
	13566	75	40	75	68,50	59,00	68,50	38,50	38,50	38,50	100,00	52,00	0,497	• • •	1	35	
	13568	75	50	75	68,50	66,00	68,50	38,50	42,50	38,50	100,00	84,00	0,550	• • •	1	35	
	13570	75	63	75	68,50	66,00	68,50	38,50	38,50	38,50	100,00	84,00	0,515	• • •	1	35	
	13576	90	32	90	79,00	65,00	79,00	46,00	47,00	46,00	120,00	52,00	0,880	• • •	1	25	
	13578	90	40	90	79,00	65,00	79,00	46,00	44,50	46,00	120,00	52,00	0,862	• • •	1	25	
	13580	90	50	90	79,00	75,00	79,00	46,00	51,50	46,00	120,00	84,00	0,905	• • •	1	25	
	13582	90	63	90	79,00	75,00	79,00	46,00	47,50	46,00	120,00	84,00	0,876	• • •	1	25	
	13584	90	75	90	79,00	81,00	79,00	46,00	51,00	46,00	120,00	120,00	0,991	• • •	1	25	
	13586	110	63	110	93,00	87,50	93,00	56,00	60,00	56,00	147,00	100,00	1,562	• • •	1	15	
	13588	110	75	110	93,00	87,50	93,00	56,00	57,50	56,00	147,00	100,00	1,511	• • •	1	15	
	13590	110	90	110	93,00	89,00	93,00	56,00	56,00	56,00	147,00	120,00	1,548	• • •	1	15	
	13592	125	75	125	116,50	106,50	116,50	76,50	76,50	76,50	167,00	100,00	2,427	• • •	1	8	
	13594	125	90	125	116,50	109,50	116,50	76,50	76,50	76,50	167,00	120,00	2,509	• • •	1	8	
	13596	125	110	125	116,50	113,50	116,50	76,50	76,50	76,50	167,00	147,00	2,563	• • •	1	8	

aquatherm green pipe

aquatherm blue pipe

aquatherm lilac pipe

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

Systems: aquatherm green pipe, aquatherm blue pipe

Material: Fusiolen® PP-R & PP-RP

Standard: DIN 16962, DIN EN ISO 15874

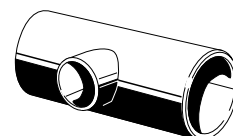
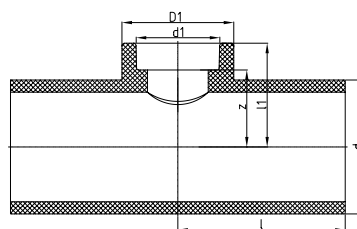
Branch: socket welding

Colour: green

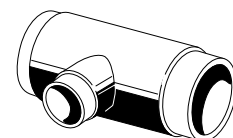
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Fitting made of pipe segments



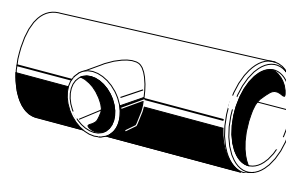
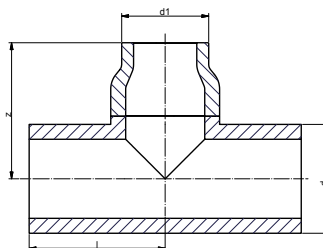
Injection molded fitting

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

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

RED.- T-PIECE, BUTT WELDING

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



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

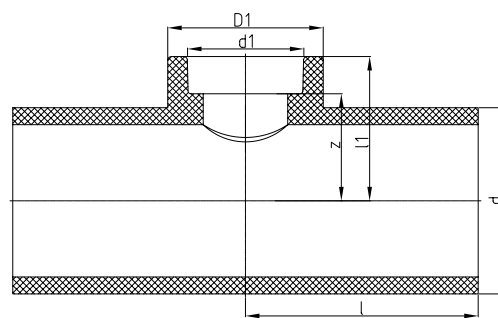
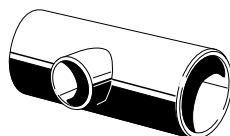
aquatherm green pipe

aquatherm blue pipe

aquatherm lilac pipe

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

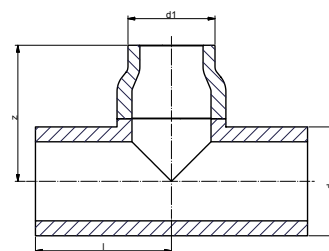
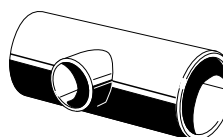
Systems: aquatherm blue pipe
Material: Fusiolen® PP-R
Standard: DIN 16962, DIN EN ISO 15874
Colour: blue/green
Branch: socket welding



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

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

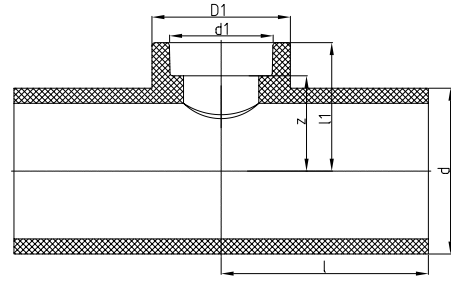
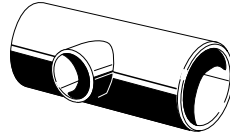
Systems: aquatherm blue pipe
Material: Fusiolen® PP-R
Standard: DIN 16962, DIN EN ISO 15874
Colour: blue/green
Branch: butt welding



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

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

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



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

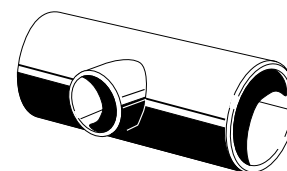
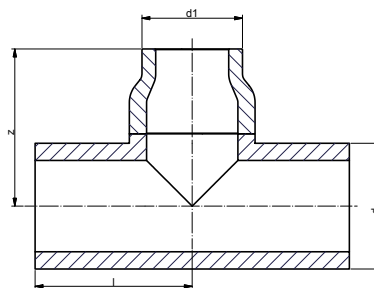
aquatherm green pipe

aquatherm blue pipe

aquatherm lilac pipe

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

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



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

CROSS

Systems:

aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material:

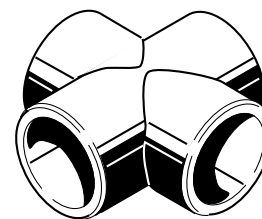
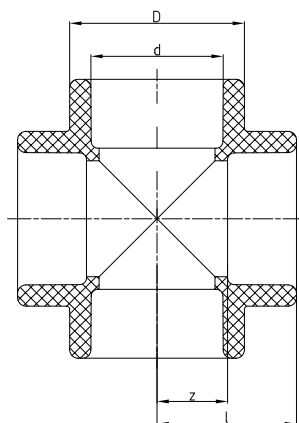
Fusiolen® PP-R

Standard:

DIN 16962, DIN EN ISO 15874

Colour:

green



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

CROSS OVER FITTING

Systems:

aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material:

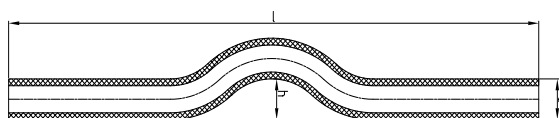
Fusiolen® PP-R

Standard:

DIN 16962, DIN EN ISO 15874

Colour:

green



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

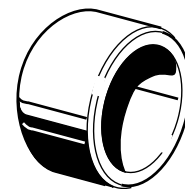
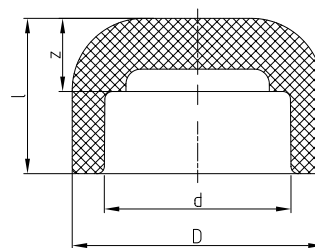
END CAP

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

Material: Fusiolen® PP-R & PP-RP

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



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

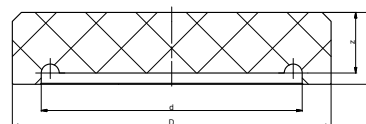
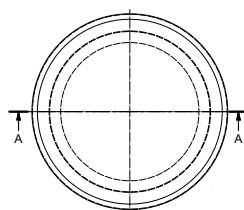
END CAP BUTT-WELDING

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

Material: Fusiolen® PP-R & PP-RP

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



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

WELD-IN SADDLE

Systems:

aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material:

Fusiolen® PP-R

Standard:

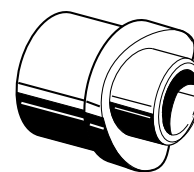
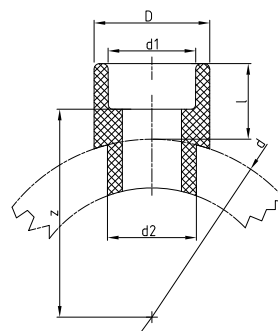
DIN 16962, DIN EN ISO 15874

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
<i>socket welding</i>												
6 7.4 9 11 17.6	15156*	40	20	25	27,00	32,50	29,50	0,016	• • •	5	1000	
	15158*	40	25	25	28,50	32,50	34,00	0,017	• • •	5	1000	
	15160	50	20	25	27,50	38,00	29,50	0,018	• • •	5	1000	
	15162	50	25	25	28,50	37,50	34,00	0,019	• • •	5	1000	
	15164	63	20	25	27,50	44,50	29,50	0,017	• • •	5	1000	
	15166	63	25	25	28,50	44,00	34,00	0,019	• • •	5	750	
	15168	63	32	32	30,00	43,50	43,00	0,028	• • •	5	750	
	15170	75	20	25	27,50	50,50	29,50	0,018	• • •	5	1000	
	15172	75	25	25	28,50	50,00	34,00	0,019	• • •	5	750	
	15174	75	32	32	30,00	49,50	43,00	0,028	• • •	5	750	
	15175	75	40	40	34,00	51,00	52,00	0,049	• • •	5	400	
	15176	90	20	25	27,50	58,00	29,50	0,018	• • •	5	1000	
	15178	90	25	25	28,50	57,50	34,00	0,019	• • •	5	1000	
	15180	90	32	32	30,00	57,00	43,00	0,029	• • •	5	750	
	15181	90	40	40	34,00	58,50	52,00	0,048	• • •	5	500	
	15182	110	20	25	27,50	68,00	29,50	0,019	• • •	5	1000	
	15184	110	25	25	28,50	67,50	34,00	0,020	• • •	5	1000	
	15186	110	32	32	30,00	67,00	43,00	0,030	• • •	5	750	
	15188	110	40	40	34,00	68,50	52,00	0,050	• • •	5	450	
	15189	110	50	50	34,00	65,50	68,00	0,091	• • •	5	200	
	15190	125	20	25	27,50	75,50	29,50	0,019	• • •	5	1000	
	15192	125	25	25	28,50	75,00	34,00	0,020	• • •	5	1000	
	15194	125	32	32	30,00	74,50	43,00	0,029	• • •	5	750	
	15196	125	40	40	34,00	76,00	52,00	0,050	• • •	5	450	
	15197	125	50	50	34,00	73,00	68,00	0,090	• • •	5	200	
	15198	125	63	63	38,00	73,00	84,00	0,149	• • •	5	125	
	15206	160	20	25	27,50	62,00	29,50	0,021	• • •	5	700	
	15208	160	25	25	28,50	92,50	34,00	0,023	• • •	5	700	
	15210	160	32	32	30,00	92,00	43,00	0,034	• • •	5	500	
	15212	160	40	40	34,00	93,50	52,00	0,054	• • •	5	300	
	15214	160	50	50	34,00	90,50	68,00	0,094	• • •	5	200	
	15216	160	63	63	38,00	90,50	84,00	0,157	• • •	5	120	
	15218	160	75	75	42,00	92,00	100,00	0,238	• • •	5	80	
	15220	160	90	90	45,00	92,00	120,00	0,360	• • •	5	40	
	15228	200-250	20	25	27,50	113,00	29,50	0,020	• • •	5	100	
	15229	200-250	25	25	28,50	112,50	34,00	0,021	• • •	5	100	
	15230	200-250	32	32	30,00	112,00	43,00	0,031	• • •	5	50	
	15231	200	40	40	34,00	113,50	52,00	0,049	• • •	5	200	
	15232	200	50	50	34,00	110,50	68,00	0,087	• • •	5	200	
	15233	200	63	63	37,50	110,00	84,00	0,146	• • •	5	120	
	15234	200	75	75	42,00	112,00	100,00	0,225	• • •	5	100	
	15235	200	90	90	45,00	112,00	120,00	0,356	• • •	5	5	
	15236	200	110	110	49,00	112,00	147,00	0,638	• • •	5	2	
	15237	200	125	125	55,00	115,00	167,00	0,862	• • •	5	20	
	15251	250	40	40	34,00	138,50	52,00	0,053	• • •	5	150	
	15252	250	50	50	34,00	135,50	68,00	0,090	• • •	5	100	
	15253	250	63	63	37,50	135,00	84,00	0,152	• • •	5	140	
	15254	250	75	75	42,00	137,00	100,00	0,222	• • •	5	5	
	15255	250	90	90	45,00	137,00	120,00	0,348	• • •	5	5	
	15256	250	110	110	49,00	137,00	147,00	0,602	• • •	5	20	
	15257	250	125	125	55,00	140,00	167,00	0,820	• • •	1	20	

aquatherm green pipe

aquatherm blue pipe

aquatherm lilac pipe

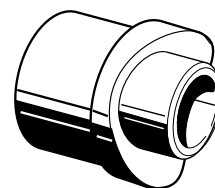
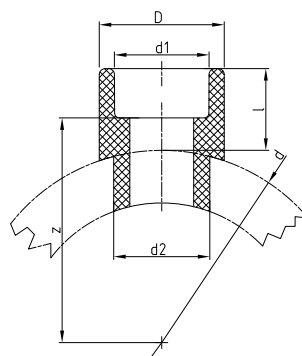
WELD-IN SADDLES

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: Fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	d	d1	d2	l	z	D	Weight [kg]	System	PU	Box unit	Price € m/pc
<i>socket welding</i>												
6 7.4 9 11 17.6	15260	315-355	63	63	37,50	167,50	84,00	0,153	• •	1		
	15261	315-355	75	75	42,00	169,50	100,00	0,230	• •	1		
	15262	315	90	90	45,00	169,50	120,00	0,363	• •	1		
	15263	315	110	110	49,00	169,50	147,00	0,592	• •	1		
	15264	315	125	125	55,00	172,50	167,00	0,830	• •	1		
	15268	355	90	90	45,00	189,50	120,00	0,355	• •	1		
	15269	355	110	110	49,00	189,50	147,00	0,586	• •	1		
	15270	355	125	125	55,00	192,50	167,00	0,813	• •	1		
	15275	400-500	75	75	42,00	212,00	100,00	0,216	• •	1		
	15277	400-450	110	110	49,00	212,00	147,00	0,535	• •	1		
	15278	400	125	125	55,00	215,00	167,00	0,693	• •	1		
	15288	400-500	90	90	45,00	237,00	120,00	0,330	• •	1		
	15290	450-500	125	125	55,00	240,00	167,00	0,671	• •	1		
	15300	400-630	63	63	37,50	260,00	84,00	0,498	• •	1		
	15303	500-560	110	110	49,00	262,00	147,00	0,533	• •	1		
	15315	560-630	75	75	42,00	292,00	100,00	0,260	• •	1		
	15316	560-630	90	90	45,00	292,00	120,00	0,350	• •	1		
	15318	560-630	125	125	55,00	295,00	167,00	0,689	• •	1		
	15331	630	110	110	49,00	327,00	147,00	0,567	• •	1		

With weld-on surface and additional weld-in socket for the fusion with the inner pipe wall.

The necessary tools for the fusion of aquatherm green pipe weld-in saddles are listed from page 66 onwards.

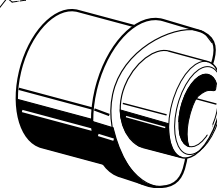
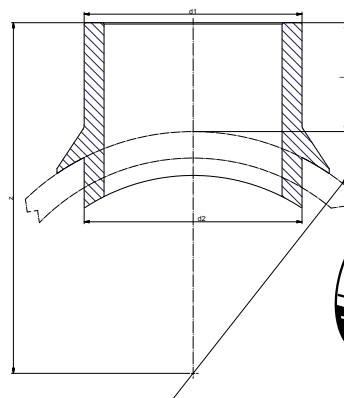
WELD-IN SADDLE BUTT WELDING

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: Fusiolen® PP-R & PP-RP

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	d	d1	d2	l	z	Weight [kg]	System	PU	Box unit	Price € m/pc
<i>butt welding</i>											
9	315265	315	160	160	80,00	237,50	0,831	• •	1		
	315271	355	160	160	80,00	257,50	0,845	• •	1		
11	15265	315	160	160	80,00	237,50	0,868	• •	1		
	15271	355	160	160	80,00	257,50	0,867	• •	1		

With weld-on surface and additional weld-in socket for the fusion with the inner pipe wall.

The necessary tools for the fusion of aquatherm green pipe weld-in saddles are listed from page 66 onwards.

WELD-IN SADDLE WITH FEMALE THREAD

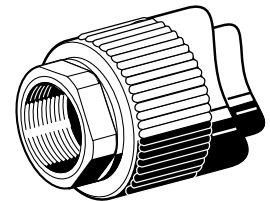
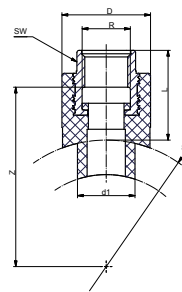
Systems: aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe

Material: Fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green

Notice *do not use with aquatherm blue pipe OT



SDR	Art.-No.	d	d1	l	z	D	R	SW	Weight [kg]	System	PU	Box unit	Price € m/pc
<i>socket welding</i>													
6 7.4 9 11 17.6	28214*	40	25	39,00	43,00	38,50	1/2"	24,00	0,088	• • •	5	300	
	28216	50	25	39,00	48,00	38,50	1/2"	24,00	0,090	• • •	5	300	
	28218	63	25	39,00	54,50	38,50	1/2"	24,00	0,089	• • •	5	300	
	28220	75	25	39,00	53,50	38,50	1/2"	24,00	0,083	• • •	5	300	
	28222	90	25	39,00	68,00	38,50	1/2"	24,00	0,090	• • •	5	300	
	28224	110	25	39,00	78,00	38,50	1/2"	24,00	0,089	• • •	5	300	
	28226	125	25	39,00	85,50	38,50	1/2"	24,00	0,092	• • •	5	250	
	28230	160	25	39,00	103,00	38,50	1/2"	24,00	0,092	• • •	5	250	
	28232	200	25	39,00	38,00	38,50	1/2"	24,00	0,092	• • •	5	50	
	28234	40	25	39,00	43,00	43,50	3/4"	31,00	0,107	• • •	5	300	
	28236	50	25	39,00	49,50	43,50	3/4"	31,00	0,110	• • •	5	300	
	28238	63	25	39,00	55,50	43,50	3/4"	31,00	0,109	• • •	5	300	
	28240	75	25	39,00	63,00	43,50	3/4"	31,00	0,109	• • •	5	300	
	28242	90	25	39,00	73,00	43,50	3/4"	31,00	0,110	• • •	5	300	
	28244	110	25	39,00	80,50	43,50	3/4"	31,00	0,110	• • •	5	300	
	28246	125	25	39,00	96,00	43,50	3/4"	31,00	0,112	• • •	5	300	
	28250	160	25	39,00	58,50	43,50	3/4"	31,00	0,112	• • •	5	250	
	28254	200	25	39,00	66,00	43,50	3/4"	31,00	0,112	• • •	5	250	
	28260	75	32	43,00	76,00	60,00	1"	39,00	0,223	• • •	5	125	
	28262	90	32	43,00	83,50	60,00	1"	39,00	0,223	• • •	5	125	
	28264	110	32	43,00	101,00	60,00	1"	39,00	0,223	• • •	5	125	
	28266	125	32	43,00	123,00	60,00	1"	39,00	0,224	• • •	5	125	
	28270	160	32	43,00	118,00	60,00	1"	39,00	0,226	• • •	5	125	
	28274	200	32	43,00	121,00	60,00	1"	39,00	0,244	• • •	5	25	

WELD-IN SADDLE WITH MALE THREAD

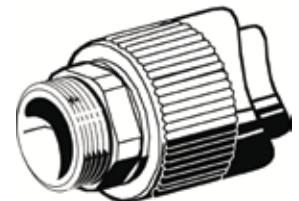
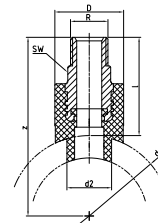
Systems: aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe

Material: Fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green

Notice *do not use with aquatherm blue pipe OT



SDR	Art.-No.	d	d2	l	z	D	R	SW	Weight [kg]	System	PU	Box unit	Price € m/pc
<i>socket welding</i>													
6 7.4 9 11 17.6	28314*	40	25	55,00	75,00	38,50	R1/2	21,00	0,088	• • •	5	300	
	28316	50	25	55,00	80,00	38,50	R1/2	21,00	0,090	• • •	5	300	
	28318	63	25	55,00	86,50	38,50	R1/2	21,00	0,089	• • •	5	300	
	28320	75	25	55,00	92,50	38,50	R1/2	21,00	0,097	• • •	5	300	
	28322	90	25	55,00	100,00	38,50	R1/2	21,00	0,090	• • •	5	300	
	28324	110	25	55,00	110,00	38,50	R1/2	21,00	0,089	• • •	5	300	
	28326	125	25	55,00	117,50	38,50	R1/2	21,00	0,092	• • •	5	300	
	28330	160	25	55,00	135,00	38,50	R1/2	21,00	0,092	• • •	5	300	
	28334	40	25	56,00	76,00	43,50	R3/4	24,00	0,107	• • •	5	250	
	28336	50	25	56,00	81,00	43,50	R3/4	24,00	0,110	• • •	5	250	
	28338	63	25	56,00	87,50	43,50	R3/4	24,00	0,109	• • •	5	250	
	28340	75	25	56,00	93,50	43,50	R3/4	24,00	0,109	• • •	5	250	
	28342	90	25	56,00	101,00	43,50	R3/4	24,00	0,110	• • •	5	250	
	28344	110	25	56,00	111,00	43,50	R3/4	24,00	0,110	• • •	5	250	
	28346	125	25	56,00	118,50	43,50	R3/4	24,00	0,112	• • •	5	250	
	28350	160	25	56,00	136,00	43,50	R3/4	24,00	0,112	• • •	5	250	

With hex shaped male thread, weld-in surface and weld-in socket for fusion with the inner wall of the pipe. The necessary tools for the fusion of aquatherm green pipe weld-in saddles are listed from page 66 onwards.

FLANGE ADAPTER SOCKET WELDING

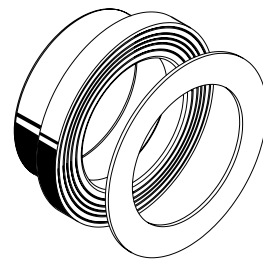
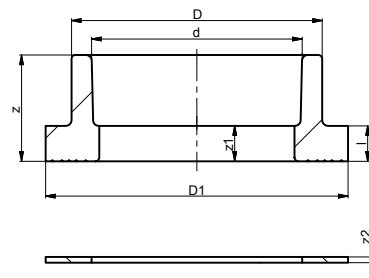
with gasket

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

Material: Fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	Dimension d [mm]	L	z	D	D1	z1	z2	Weight [kg]	System	PU	Box unit	Price € m/pc
socket welding													
6 7.4 9 11	15512	32	11,00	35,00	41,00	68,00	17,00	3,00	0,053	• • •	1	500	
	15514	40	12,00	36,50	50,00	78,00	16,00	3,00	0,071	• • •	1	250	
	15516	50	13,00	40,50	61,00	88,00	17,00	3,00	0,071	• • •	1	200	
	15518	63	15,00	44,50	76,00	102,00	17,00	3,00	0,112	• • •	1	150	
	15520	75	17,00	47,00	90,00	122,00	17,00	3,00	0,169	• • •	1	80	
	15522	90	17,00	50,00	108,00	138,00	17,00	3,00	0,261	• • •	1	50	
	15524	110	18,50	55,50	131,00	158,00	18,50	3,00	0,329	• • •	1	40	
	15526*	125	18,50	202,00	131,00	158,00	18,50	3,00	1,180	• • •	1	16	
	15527	125	20,00	63,00	165,00	188,00	23,00	3,00	0,724	• • •	1	25	

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

FLANGE ADAPTER BUTT WELDING

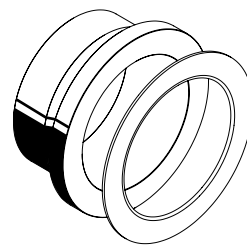
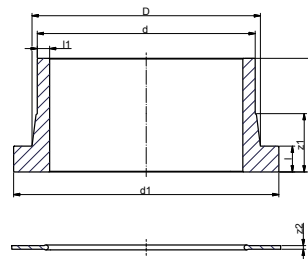
with gasket

Systems: aquatherm green pipe, aquatherm blue pipe

Material: Fusiolen® PP-R & PP-RP

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



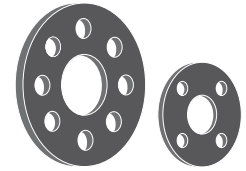
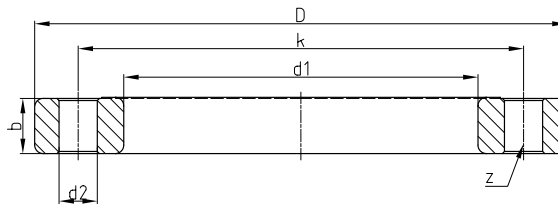
SDR	Art.-No.	Dimension d [mm]	L	z	D	D1	L1	z1	z2	Weight [kg]	System	PU	Box unit	Price € m/pc
butt welding														
7.4	15530	160	25,00	93,00	175,00	212	21,90	53,00	3,00	1,163	• •	1	16	
	15534	200	32,00	130,00	232,00	268	27,40	72,00	6,00	2,292	• •	1	6	
	15538	250	35,00	130,00	285,00	320	34,20	75,00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

PLASTIC COATED STEEL FLANGE

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

Material: PP/steel

Colour: grey



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

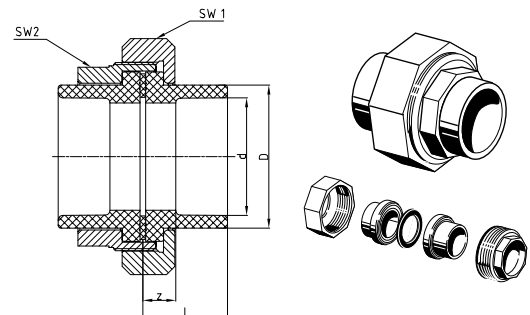
COUPLING SCREW JOINT

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

Material: Fusiolen® PP-R, brass

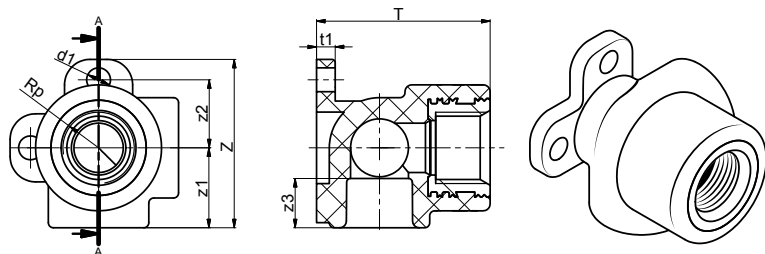
Standard: DIN 16962, DIN EN ISO 15874

Colour: green, brassy



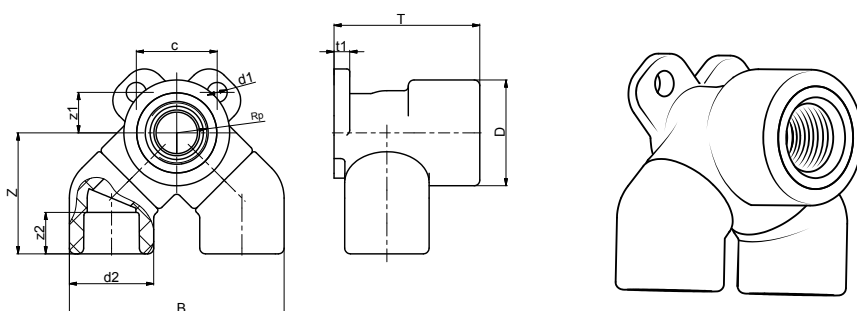
SDR	Art.-No.	Dimension d [mm]	l	z	D	SW1	SW2	Weight [kg]	System	PU	Box unit	Price € m/pc
socket welding												
6 7.4 9 11	15812	32	36,50	18,50	41,00	64,00	50,00	0,479	• • •	1		
	15814	40	38,00	17,50	50,00	80,00	60,00	0,841	• • •	1		
	15816	50	41,00	17,50	61,00	86,00	70,00	0,821	• • •	1		
	15818	63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

PRINCIPLE OF FLOW-THROUGH BACK PLATE ELBOW



aquatherm green pipe FLOW-THROUGH BACK PLATE ELBOW 90°

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



aquatherm green pipe FLOW-THROUGH BACK PLATE ELBOW, PARALLEL

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

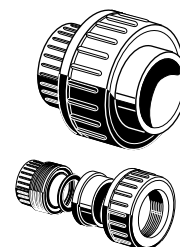
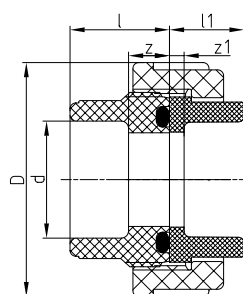
COUPLING SCREW JOINT

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

Material: Fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



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

ELECTROFUSION SOCKET

Systems:

aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material:

Fusiolen® PP-R

Standard:

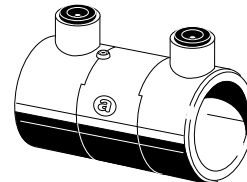
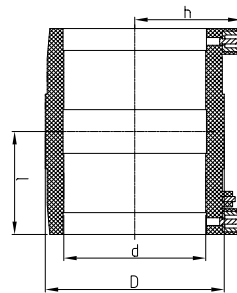
DIN 16962, DIN EN ISO 15874

Colour:

green

Notice

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



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

BACK PLATE ELBOW

Systems:

aquatherm green pipe,
aquatherm blue pipe,
aquatherm lilac pipe

Material:

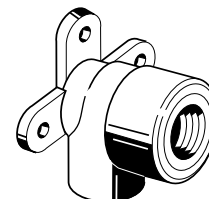
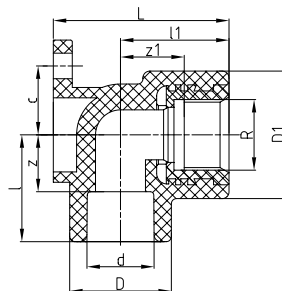
Fusiolen® PP-R, brass

Standard:

DIN 16962, DIN EN ISO 15874

Colour:

green



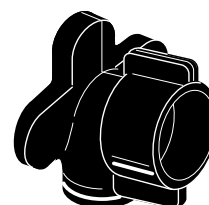
SDR	Art.-No.	d	R	l	z	D	l1	z1	D1	L	c	Weight [kg]	System	PU	Box unit	Price € m/pc
<i>socket welding</i>																
6 7.4 11	20106	16	1/2"	31,00	18,00	29,50	31,50	15,50	37,00	51,00	20,00	0,080	•	10	200	
	20108	20	1/2"	31,00	16,50	29,50	31,50	15,50	37,00	51,00	20,00	0,079	• • •	10	200	
	20110	20	3/4"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

DISCONTINUED SOUND ISOLATION COVER

for aquatherm green pipe back plate elbow 1/2"

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

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



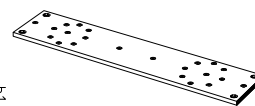
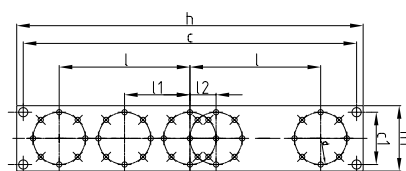
MOUNTING PLATE

galvanized; to fix back plate elbows as double connection

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

Material: iron, galvanized

Colour: zinc



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

not suitable for connection with sound insulation plate (Art.-No. 79080).

We recommend mounting rail Art.-No. 79090.

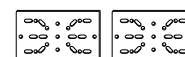
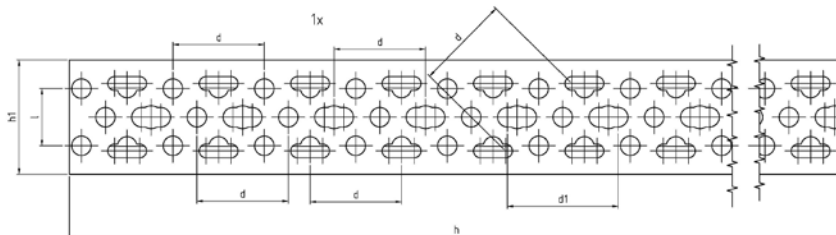
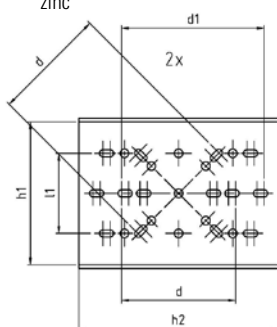
MOUNTING PLATE

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

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

Material: iron, galvanized

Colour: zinc



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

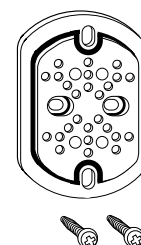
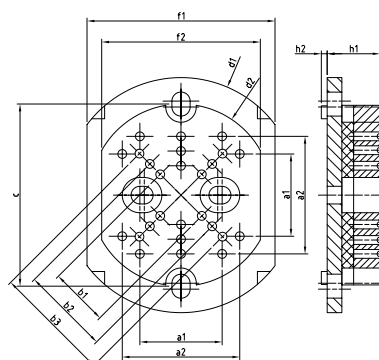
SOUND ISOLATION PLATE

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

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

Material: PP

Colour: white



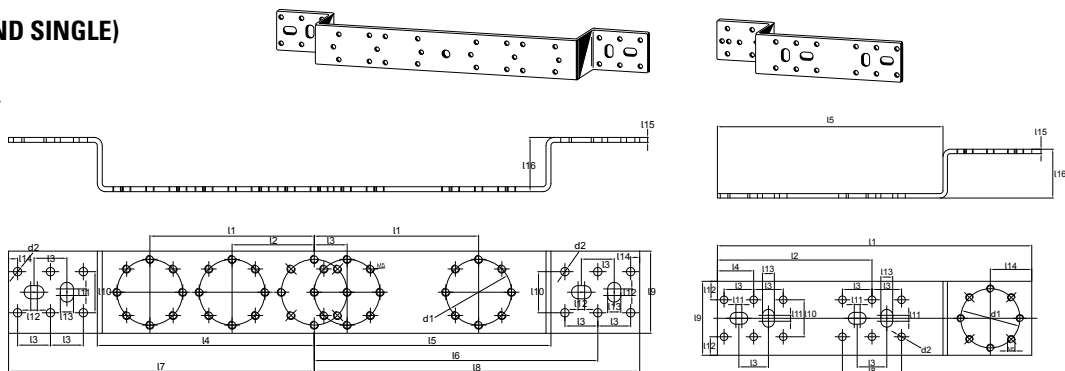
Art.-No.	a1	a2	b1	b2	b3	c	d1	d2	f1	f2	h1	h2	Weight [kg]	System	PU	Box unit	Price € m/pc
79080	28,00	40,00	20,00	30,00	40,00	62,00	80	62	64,00	54,00	18,00	2,00	0,058	• • •	2		

MOUNTING RAIL (DOUBLE AND SINGLE)

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

Material: iron, galvanized

Colour: zinc

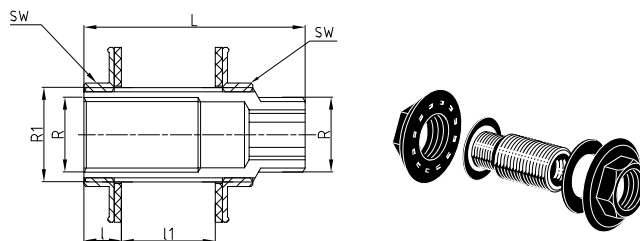


Art.-No.	ø d1	ø d2	l1	l2	l3	l4	l5	l6	l7	l8	l9	l10	l11	l12	l13	l14	l15	l16	Weight [kg]	System	PU	Price € m/pc
79095	40	5,1	100,00	50,00	20,00	132,00	144,00	172,50	186,00	198,00	50,00	25,00	4,00	4,00	8,00	5,50	3,00	33,00	0,412	• • •	2	
79096	40	5,1	212,50	104,50	20,00	24,50	152,50	-	-	40,00	50,00	25,00	4,00	12,50	8,00	28,00	3,00	33,00	0,235	• • •	2	

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"	10,50	26,00	62,00	30,00	0,213	• • •	10	300	

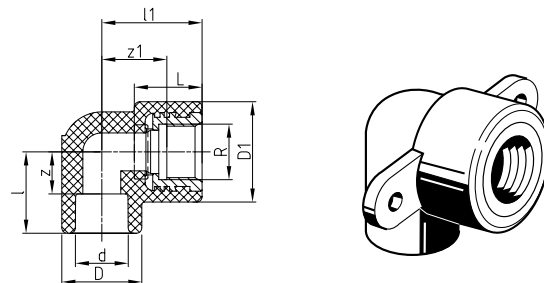
BACK PLATE ELBOW FOR DRY CONSTRUCTION

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

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	d	R	l	z	D	l1	z1	D1	L	c	Weight [kg]	System	PU	Box unit	Price € m/pc
6	<i>socket welding</i>															
7.4	20156	16	1/2"	30,00	17,00	29,50	37,00	24,00	37,00	25,00	59,00	0,081	•	10	250	
11	20158	20	1/2"	30,00	15,50	29,50	37,00	24,00	37,00	25,00	59,00	0,079	• • •	10	200	

TRANSITION PIECE

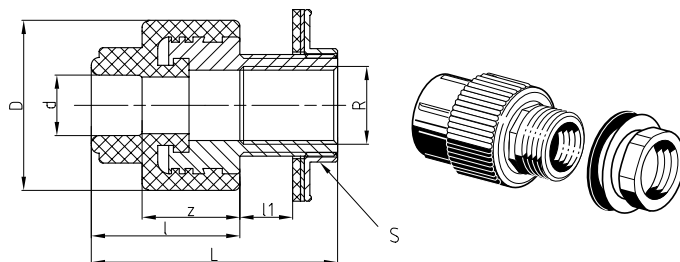
with counternut, gasket and tension washer

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

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	d	R	l	z	D	l1	L	SW	Weight [kg]	System	PU	Box unit	Price € m/pc
6	<i>socket welding</i>													
7.4	20204	20	1/2"	40,00	25,50	43,50	13,50	65,00	29,00	0,204	• • •	10		

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

TRANSITION ELBOW

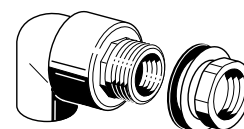
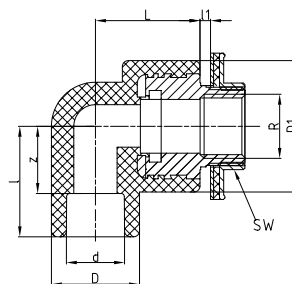
with counternut, gasket and tension washer

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]	Sys-tem	PU	Box unit	Price € m/pc
socket welding															
6	20206	16	1/2"	37,00	24,00	29,50	3,50	35,00	44,00	29,00	0,201	•	10		
7.4	20208	20	1/2"	37,00	22,50	29,50	3,50	35,00	44,00	29,00	0,154	• • •	10		
11	20209	25	1/2"	37,00	21,00	34,00	3,50	37,00	44,00	29,00	0,206	• • •	10		

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

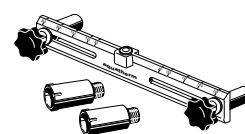
ASSEMBLING JIG

as water level with 2 plugs 1/2"

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

Material: Fusiolen® PP-R

Colour: green



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

PLUG FOR PRESSURE TESTS

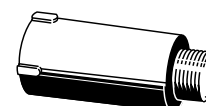
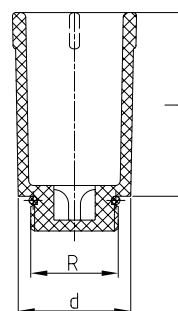
with gasket

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

Material: Fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



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

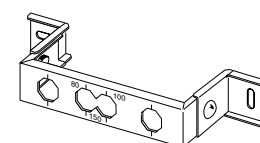
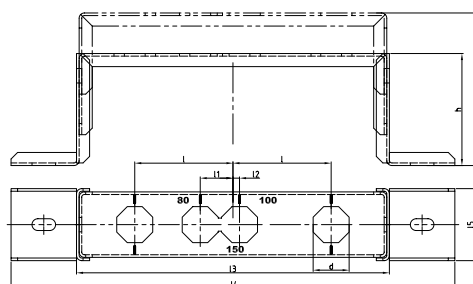
MOUNTING UNIT

double

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

Material: iron/galvanized

Colour: zinc



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

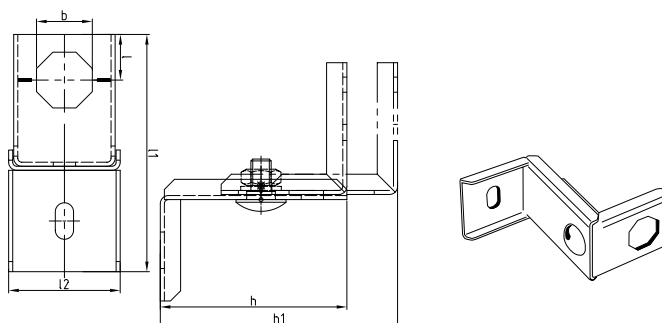
MOUNTING UNIT

single

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

Material: iron/galvanized

Colour: zinc



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

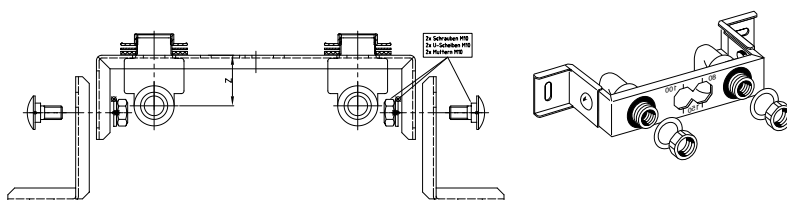
MOUNTING UNIT

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

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

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

Colour: green
zinc



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

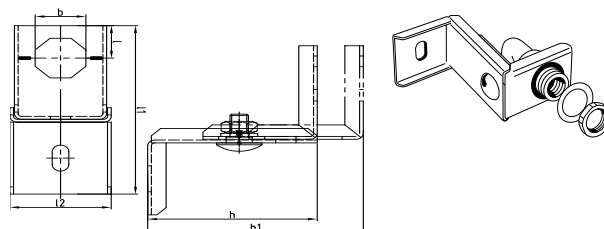
MOUNTING UNIT

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

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

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

Colour: green
zinc



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

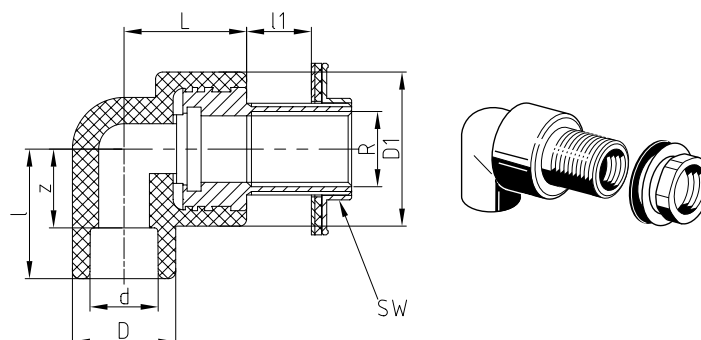
TRANSITION ELBOW

for plasterboard

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

Material: Fusiolen® PP-R, brass

Colour: green



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

with 30 mm thread, counternut, gasket and tension washer

TRANSITION PIECE WITH FEMALE THREAD

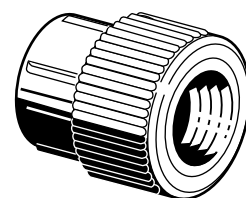
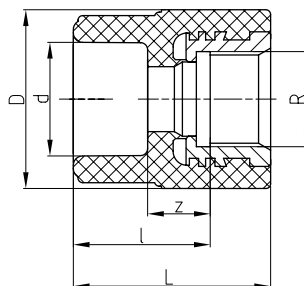
round

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

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



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

TRANSITION PIECE WITH FEMALE THREAD

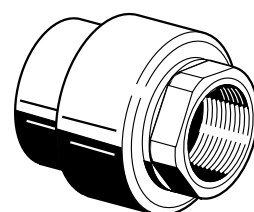
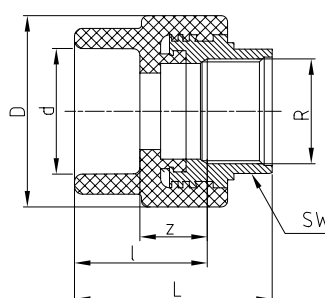
hex shaped threaded transition

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

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



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

TRANSITION PIECE WITH MALE THREAD

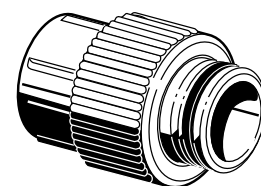
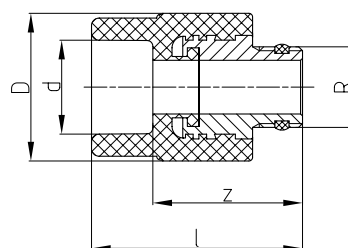
round, self sealing

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

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



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

TRANSITION PIECE WITH MALE THREAD

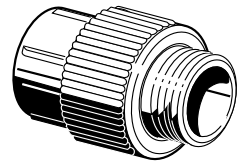
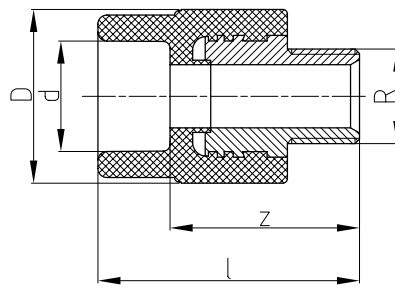
round

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

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



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

TRANSITION PIECE WITH MALE THREAD

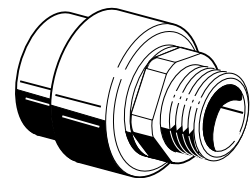
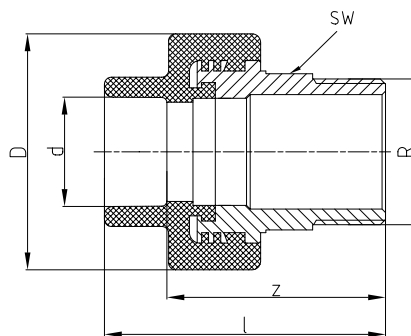
with hexagon or *octagon

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

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



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

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

TRANSITION PIECE WITH MALE THREAD

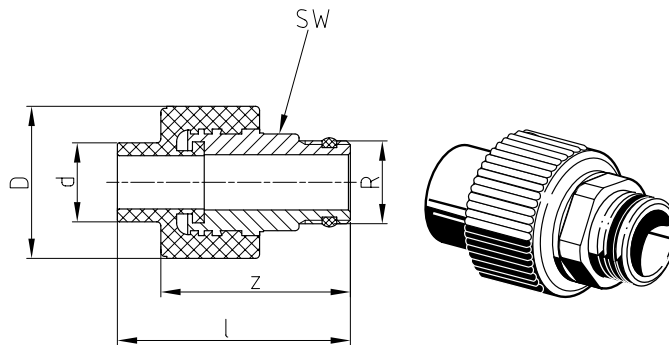
self-sealing, with hex shaped threaded transition
male/male

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

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



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

TRANSITION PIECE WITH MALE THREAD

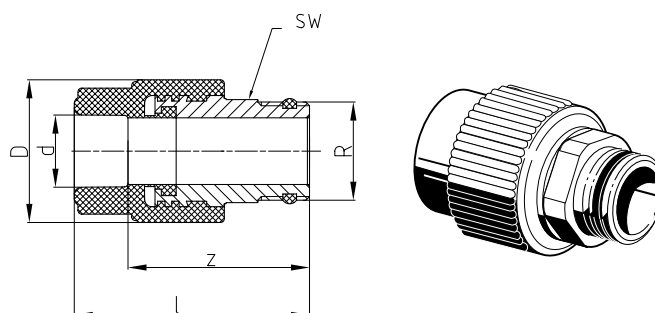
self-sealing, with hex shaped threaded transition
female/male

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

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



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

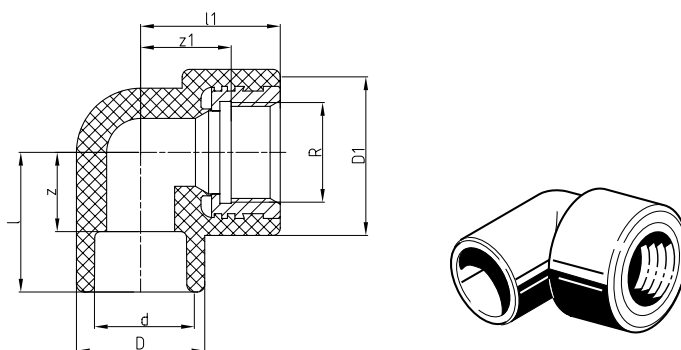
TRANSITION ELBOW WITH FEMALE THREAD

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

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



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

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

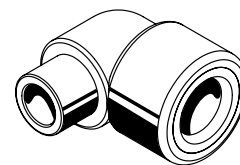
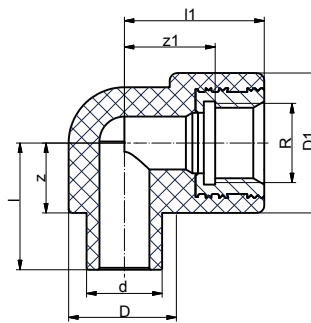
TRANSITION ELBOW WITH FEMALE THREAD

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

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



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

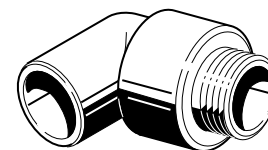
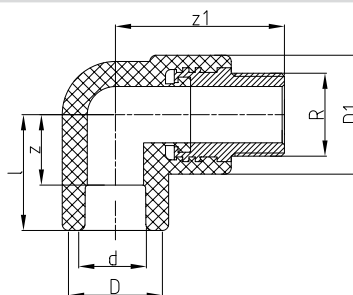
TRANSITION ELBOW WITH MALE THREAD

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

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



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

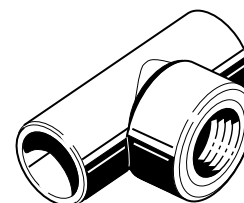
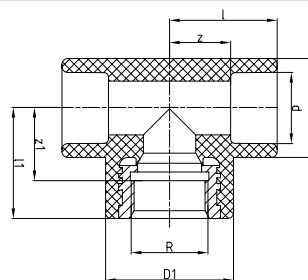
THREADED BRANCH TEE WITH FEMALE THREAD

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

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



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

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

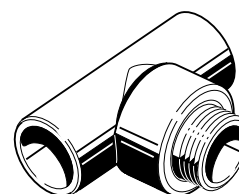
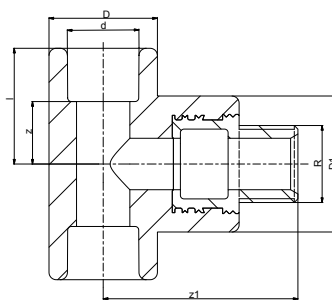
THREADED BRANCH TEE WITH MALE THREAD

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

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



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

TRANSITION COUPLING WITH MALE THREAD

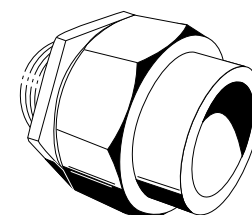
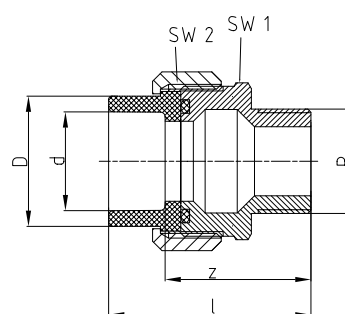
with union nut and welding socket

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

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



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

TRANSITION COUPLING WITH FEMALE THREAD

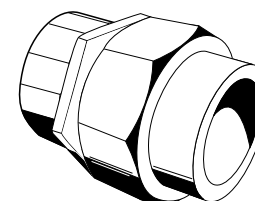
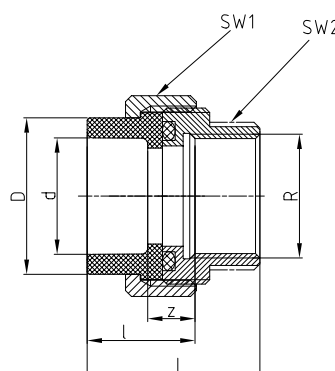
with union nut and welding socket

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

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



SDR	Art.-No.	d	R	l	z	D	L	SW1	SW2	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11	26638	20	1/2"	30,00	15,50	27,50	45,00	36,00	25,00	0,083	• • •	1		
	26640	25	3/4"	32,00	16,00	36,00	49,00	45,00	32,00	0,193	• • •	1		
	26642	32	1"	37,00	19,00	41,50	54,00	52,00	40,00	0,291	• • •	1		
	26644	40	1 1/4"	36,50	16,00	53,00	58,50	64,00	47,00	0,423	• • •	1		
	26646	50	1 1/2"	45,50	22,00	59,00	64,50	72,00	57,00	0,610	• • •	1		
	26648	63	2"	50,50	23,00	74,00	74,50	89,00	68,00	0,924	• • •	1		

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

LOOSE NUT ADAPTER

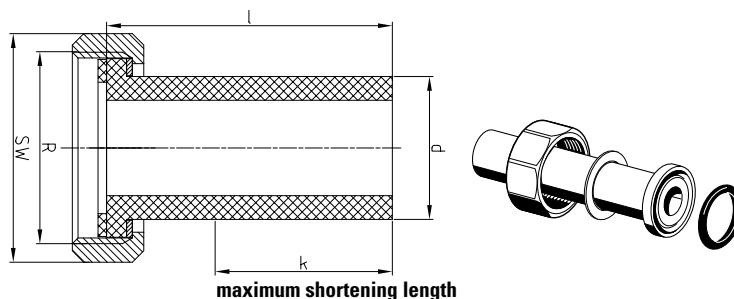
length: 100 mm, with gasket

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

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



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

WATER METER NUT ADAPTER

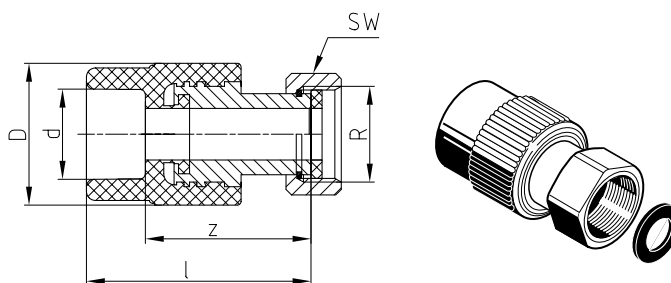
with gasket

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

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



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

NUT ADAPTER

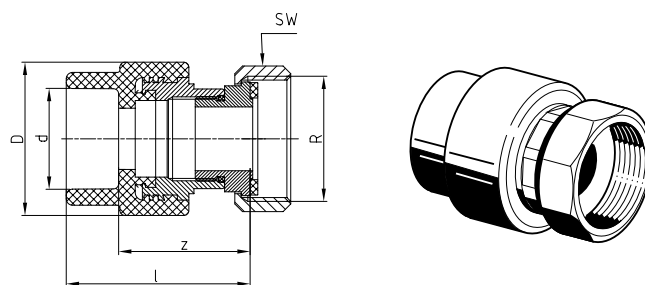
ISO-standard

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

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



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

COUNTERPART

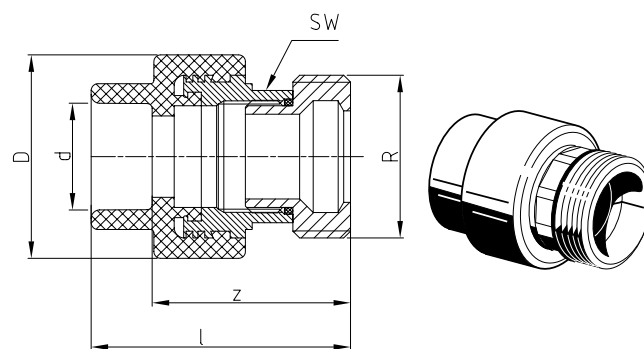
with welding socket and male thread for ISO-standard adapter

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

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



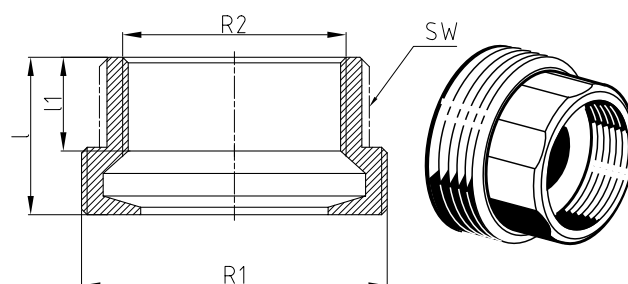
SDR	Art.-No.	d	Thread R	l	z	D	SW	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11	27310	20	1"	61,50	47,00	38,50	24,00	0,151	• • •	10	300	
	27311	25	1"	63,00	47,00	38,50	24,00	0,153	• • •	10	300	
	27312	25	1 1/4"	63,00	47,00	43,50	31,00	0,221	• • •	10	250	
	27313	32	1 1/4"	66,00	48,00	43,50	31,00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

BRASS COUNTERPART

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

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

Material: brass



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

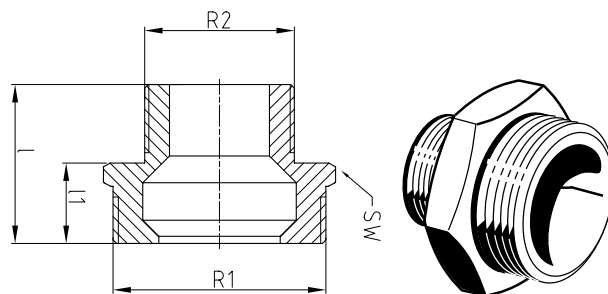
Notice: aquatherm green pipe-metal compound fittings are manufactured from fusiolen PP-R and brass. Metal inserts, without hex shaped spanner flat, with 1/2" and 3/4" f are also available in stainless steel. aquatherm green pipe stainless steel price list Order-. No.: E53180 on request!!

BRASS COUNTERPART

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

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

Material: brass



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

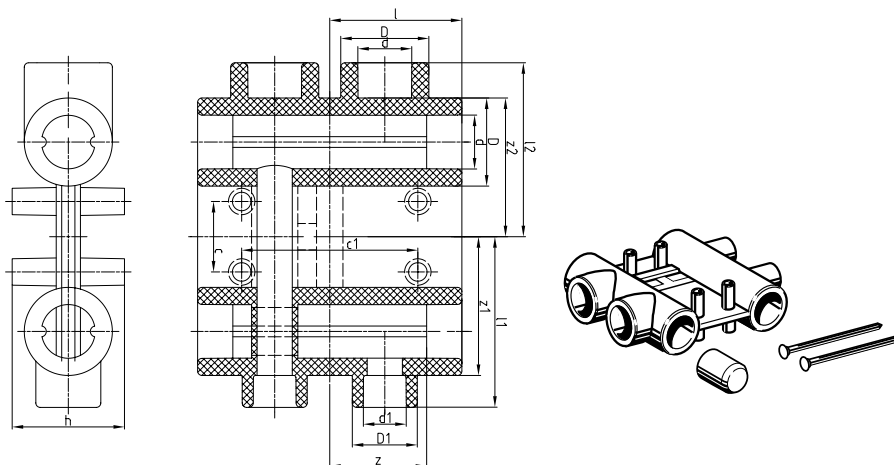
DISTRIBUTION BLOCK PLUMBING

including 1 plug and 2 fastenings

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

Material: Fusiolen® PP-R

Colour: green



SDR	Art.-No.	d	l	z	D	d1	l1	z1	D1	l2	z2	c	c1	c2	l3	h	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 11	30115	25	60,00	44,00	40,00	20	77,50	63,00	29,50	79,00	63,00	32,00	80,00	100,00	36,00	51,00	0,273	• • •	1		

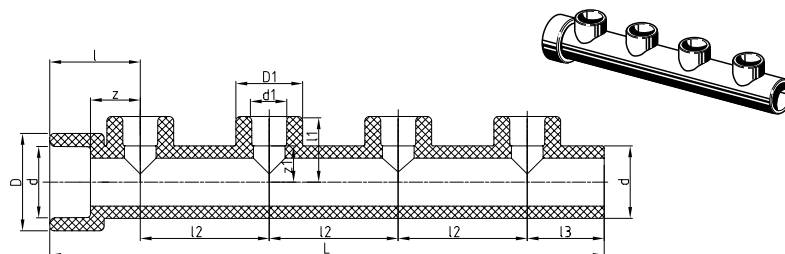
FOUR-PORT MANIFOLD

length: 246 mm, with 4 branches

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

Material: Fusiolen® PP-R

Colour: green



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

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

aquatherm green pipe

aquatherm blue pipe

aquatherm lilac pipe

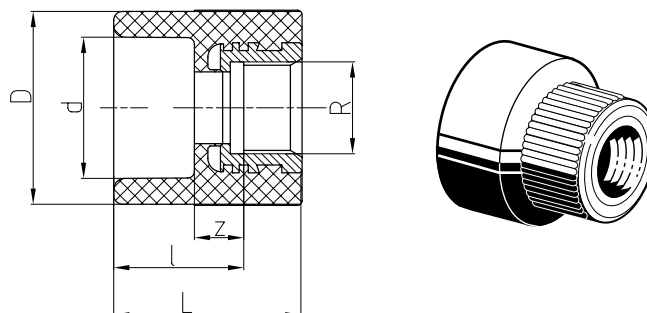
MANIFOLD END PIECE WITH FEMALE THREAD*

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	30804	32	1/2"	30,00	12,00	43,00	43,00	0,073	• • •	1		
7.4												
9												
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!!

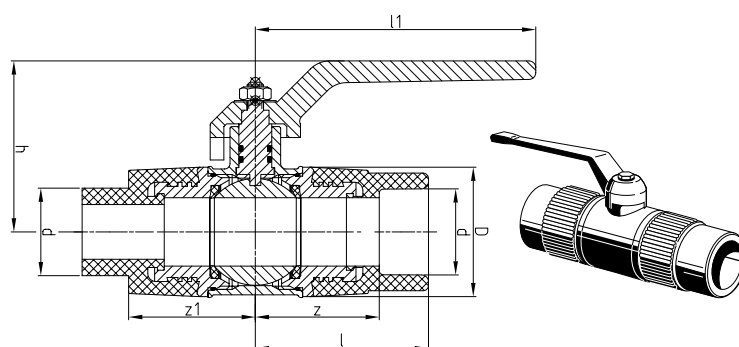
BALL VALVE FOR MANIFOLD

female/male

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

Material: Fusiolen® PP-R, brass

Colour: green

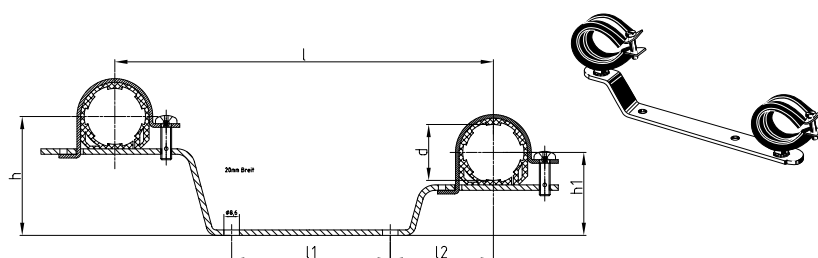


SDR	Art.-No.	d	l	z	D	z1	h	l1	Weight [kg]	System	PU	Box unit	Price € m/pc
6	78000	32	63,00	45,00	47,50	46,50	78,00	108,00	0,575	• • •	2		
7.4													
9													
11													

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	210,00	80,00	57,00	66,00	46,00	0,226	• • •	2		

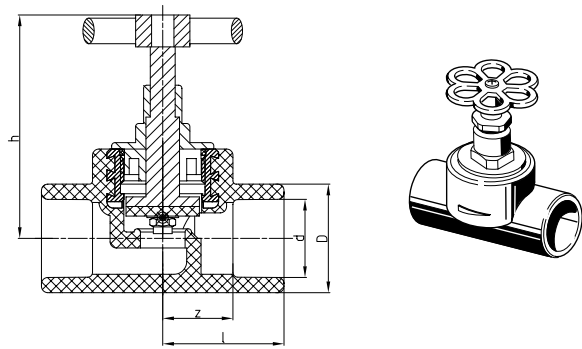
GLOBE VALVE

for surface installation

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

Material: Fusiolen® PP-R, brass

Colour: green



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

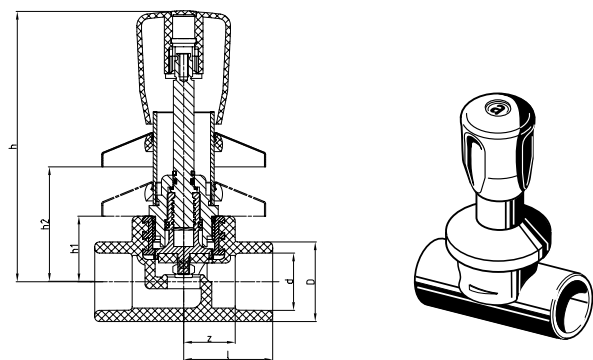
CONCEALED VALVE

chromeium 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 7.4 9 11	40858	20	35,00	20,50	29,50	116,00	28,00	59,00	0,319	• • •	1	40	
	40860	25	38,00	22,00	34,00	116,00	28,00	59,00	0,330	• • •	1	40	
	40862	32	49,00	31,00	43,00	121,00	34,00	59,00	0,416	• • •	1	30	

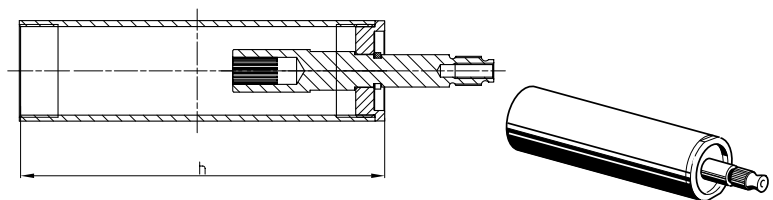
EXTENSION FOR CONCEALED VALVE

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

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

Material: brass

Colour: chrome



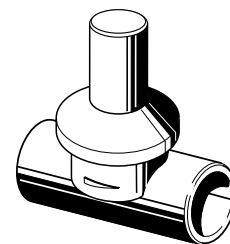
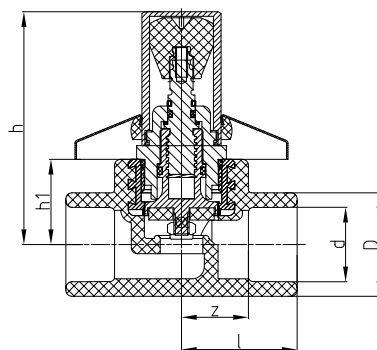
Art.-No.	h	Weight [kg]	System	PU	Box unit	Price € m/pc
40900	92,00	0,148	• • •	1	300	
40902	132,00	0,209	• • •	1	200	

CONCEALED VALVE*tamper proof/ chromium-plated/ short design*

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

Material: Fusiolen® PP-R, brass

Colour: green, chrome



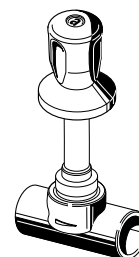
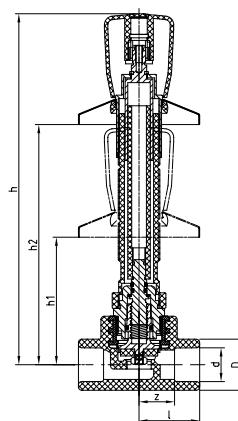
SDR	Art.-No.	d	l	z	D	h	h1	Weight [kg]	System	PU	Box unit	Price € m/pc
6	40868	20	35,00	20,50	29,50	71,50	28,00	0,258	• • •	1	50	
7.4	40870	25	38,00	22,00	34,00	71,50	28,00	0,288	• • •	1	50	
9												
11	40872	32	49,00	31,00	43,00	82,50	34,00	0,376	• • •	1	30	

CONCEALED VALVE*suitable for construction depth of 55 mm to 100 mm*

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

Material: Fusiolen® PP-R, brass

Colour: green, chrome



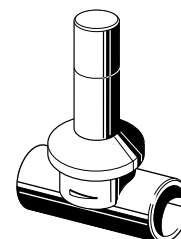
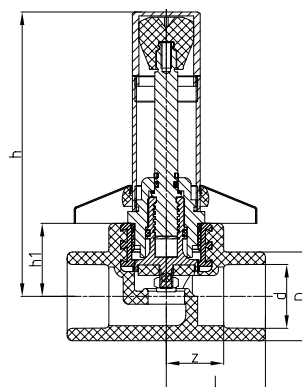
SDR	Art.-No.	d	l	z	D	h	h1	h2	Weight [kg]	System	PU	Box unit	Price € m/pc
6	40878	20	35,00	20,50	29,50	213,00	59,00	147,00	0,357	• • •	1	40	
7.4	40880	25	38,00	22,00	34,00	213,00	59,00	147,00	0,369	• • •	1	40	
9													
11	40882	32	49,00	31,00	43,00	219,00	65,00	153,00	0,455	• • •	1	20	

CONCEALED VALVE*tamper proof, chromium-plated*

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

Material: Fusiolen® PP-R, brass

Colour: green, chrome



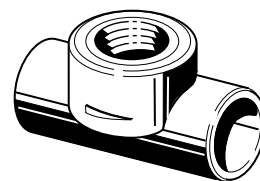
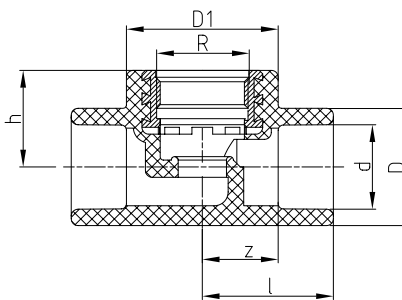
SDR	Art.-No.	d	l	z	D	h	h1	Weight [kg]	System	PU	Box unit	Price € m/pc
6	40888	20	35,00	20,50	29,50	109,00	28,00	0,342	• • •	1	50	
7.4	40890	25	38,00	22,00	34,00	109,00	28,00	0,350	• • •	1	50	
9												
11	40892	32	49,00	31,00	43,00	115,00	34,00	0,432	• • •	1	40	

STOP VALVE BODY

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

Material: Fusiolen® PP-R, brass

Colour: green



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

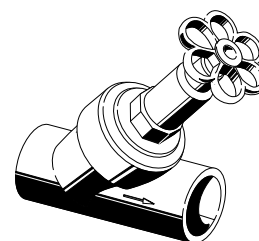
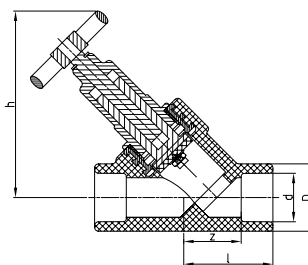
INCLINED VALVE

without drain

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

Material: Fusiolen® PP-R, brass

Colour: green



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

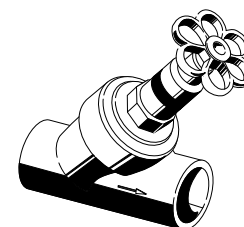
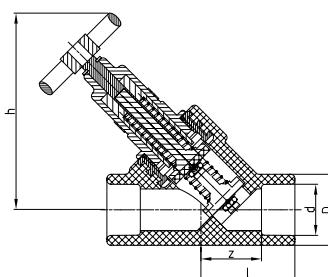
NON-RETURN VALVE

without drain

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

Material: Fusiolen® PP-R, brass

Colour: green



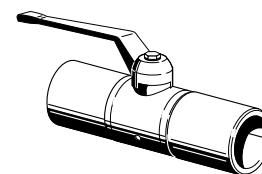
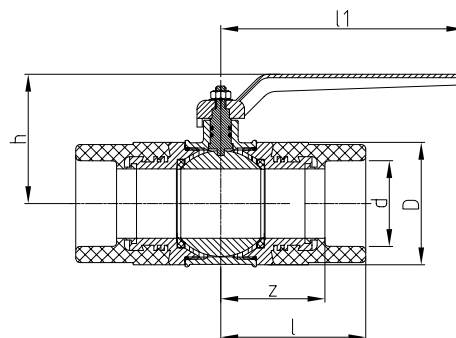
SDR	Art.-No.	d	l	z	D	h	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11	41208	20	45,00	30,50	34,00	95,50	0,297	• • •	1	80	
	41210	25	45,00	29,00	34,00	95,50	0,292	• • •	1	80	
	41212	32	56,00	38,00	43,00	111,50	0,432	• • •	1	50	
	41214	40	65,00	44,50	52,00	135,00	0,840	• • •	1	25	

BALL VALVE PP/BRASS

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

Material: Fusiolen® PP-R, brass

Colour: green



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

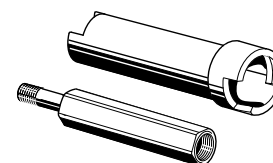
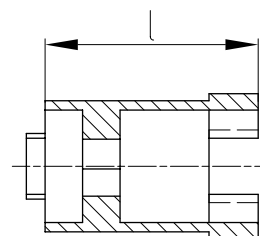
EXTENSION FOR AQUATHERM GREEN PIPE-BALL VALVE

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

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

Material: brass

Colour: chrome



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

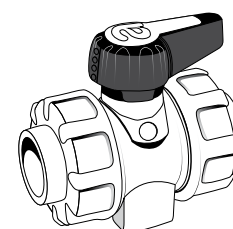
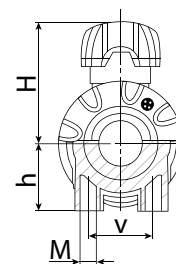
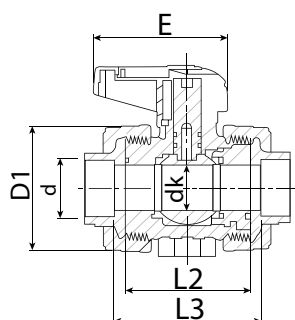
PP-BALL VALVE

with union nut and welding socket

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

Material: Fusiolen® PP-R

Colour: green



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

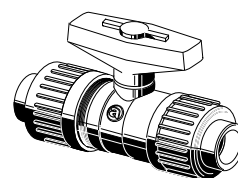
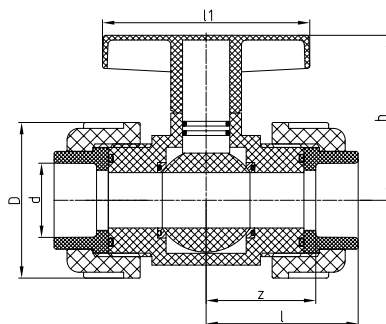
PP-BALL VALVE

with union nut and welding socket

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

Material: Fusiolen® PP-R

Colour: green



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

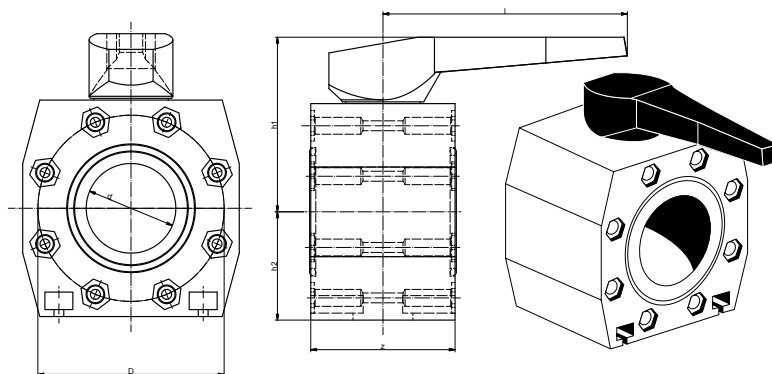
PP-BALL VALVE

with flange connection on both sides

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

Material: Fusiolen® PP-R

Colour: green



SDR	Art.-No.	for ø	d	l	z	D	h1	h2	DN	Weight [kg]	System	PU	Box unit	Price € m/pc
6	41602	90	77	210,00	124,00	160,00	150,00	93,00	80	4,196	• • •	1		
7.4	41604	110	94	260,00	145,00	180,00	165,00	103,00	100	5,612	• • •	1		
9														
11	41607	160	135	310,00	205,00	240,00	210,00	136,50	150	13,420	• • •	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 M 16x60 mm for Art.-No. 41602/41604

Hexagon screw M 20x80 mm for Art.-No. 41607

corresponding flat washer M 16

NOTICE: These are not included in delivery.

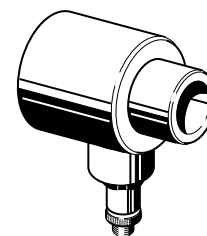
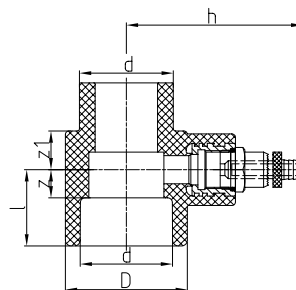
DRAINING BRANCH

to weld in aquatherm green pipe valves

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

Material: Fusiolen® PP-R, brass

Colour: green

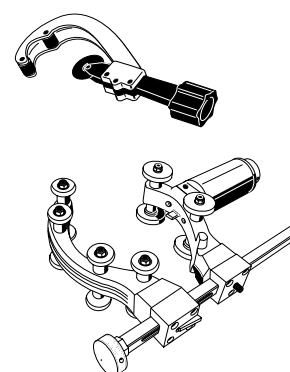


SDR	Art.-No.	d	z	l	D	z1	h	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11	41408	20	11,50	26,00	34,00	16,50	67,00	0,098	• • •	1	200	
	41410	25	10,00	26,00	34,00	16,50	67,00	0,096	• • •	1	200	
	41412	32	14,00	32,00	43,00	17,00	70,50	0,118	• • •	1	150	
	41414	40	12,00	32,50	52,00	16,50	76,50	0,140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

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

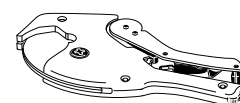
PIPE CUTTER

Art.-No.	for pipe dimensions	PU	Box unit	Price € m/pc
50102	ø 16 - 40 mm	1		
50105	ø 50 - 125 mm	1		
50106	ø 110 - 160 mm	1		



PIPE CUTTER

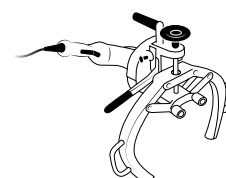
Art.-No.	for pipe dimensions	PU	Box unit	Price € m/pc
50104	ø 16 - 40 mm	1		



ORBITAL CIRCULAR SAW

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

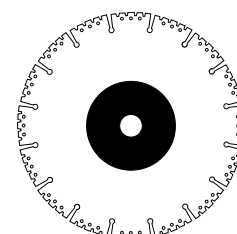
This orbital circular saw can be ordered directly from Rothenberger with Art.-No. 55620 (www.rothenberger.com).
High-performance orbital circular saw for fast, precise, perfectly aligned and right-angled cutting of plastic pipes 160 - 355 mm at the building site or in the workshop.



CUTTING DISC FOR PLASTIC

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

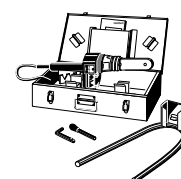
Application: for each angle grinder
Design: diamant galvanized cutting disc



MANUAL WELDING DEVICE (500 W)

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

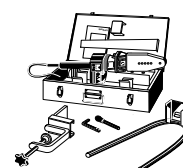
for one tool, with base and case for tools
Also available: 110 V (art.-no. 450336)



MANUAL WELDING DEVICE (800 W)

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

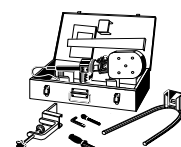
for two tools, with base and case for tools
Also available: 110 V (art.-no. 450337)



MANUAL WELDING DEVICE (1400 W)

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

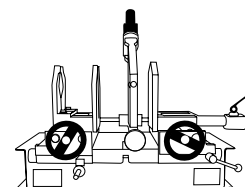
with base and case for tools, including handle
Also available: 110 V (art.-no. 450341)



WELDING MACHINE (1400 W)

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

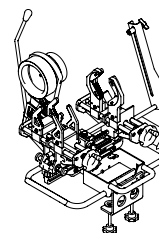
including welding tools 50-125 mm, roll stand and wooden transport case
Also available: 110 V (art.-no. 450148)



WELDING MACHINE (1400 W) LIGHT

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

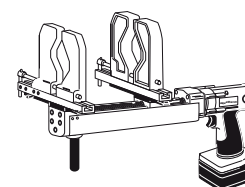
including manual welding device (1400 W) and wooden transport case
Also available: 110 V (art.-no. 450145)



ELECTRIC WELDING JIG

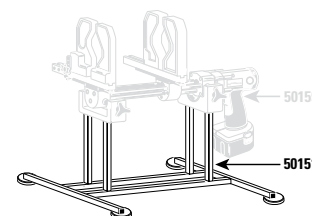
Art.-No.	for pipe dimensions	PU	Box unit	Price € m/pc
50159	ø 63 - 125 mm	1		

including standby accumulator, charging station and metal case



BASE FOR ART.-NO. 50159

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



NEW BUTT WELDING TWO-RING MACHINE WIDOS

Art.-No.	for pipe dimensions	PU	Box unit	Price € m/pc
50350 *	ø 160 - 250 mm	1		
50351 *	ø 160 - 315 mm	1		

The butt welding machine can be obtained directly from Widos (www.widos.de)
* Also available: 110 V (art.-no. 450350 = ø 160-250mm / 450351 = ø 160-315mm)

NEW BUTT WELDING MACHINES WIDOS

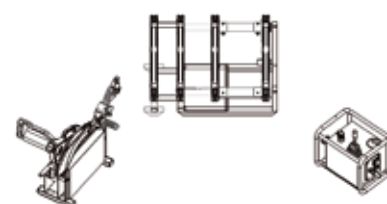
Art.-No.	for pipe dimensions	PU	Box unit	Price € m/pc
50352 *	ø 160 - 250 mm	1		
50353 *	ø 160 - 315 mm	1		
50354 *	ø 160 - 355 mm	1		
50355 *	ø 200 - 450 mm	1		
50356 **	ø 200 - 500 mm	1		
50357 **	ø 315 - 630 mm	1		

The butt welding machines can be obtained directly from Widos (www.widos.de)

* Also available: 110 V

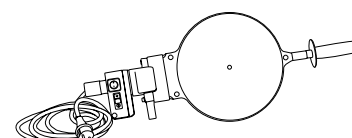
(art.-no. 450352 = ø 160-250 mm / 450353 = ø 160-315 mm / 450354 = ø 160-355 mm / 450355 = ø 200-450 mm)

** Special voltage on request



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

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

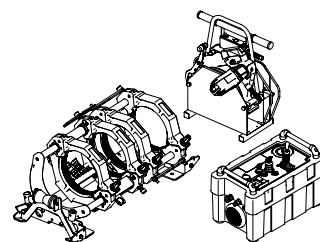


BUTT WELDING MACHINES RITMO

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

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

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

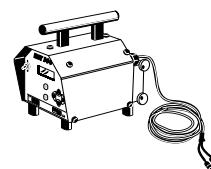


ELECTROFUSION DEVICE

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

For processing with electro-fusion-sockets Art.-No. 17208-17238.

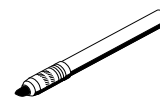
Special calibration-tools - obtainable on request - are required



TEMPERATURE PENCIL

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

to check the correct welding temperature



SURFACE THERMOMETER

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

to check the correct welding temperature



TEMPERATURE PREDECTIVE GLOVE

for tool change

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



CLEANING WIPES

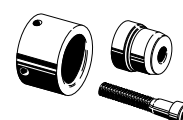
Art.-No.	Dimension	PU	Box unit	Price € m/pc
50193	Box with 100 towels	1		

for electrofusion sockets



WELDING TOOLS

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



REPAIR SET

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

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

PIPE REPAIR STICK

for pipe repairs

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

aquatherm UNIVERSAL PEELING TOOLS

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

Required for the socket welding

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

Also suitable for manual peeling (bolts included)

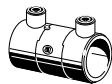
Art.-No.	Dimension	PU	Box unit	Price € m/pc
50479	20 mm	1		
50480	25 mm	1		
50481	32 mm	1		
50482	40 mm	1		
50483	50 mm	1		
50484	63 mm	1		
50485	75 mm	1		
50486	90 mm	1		
50487	110 mm	1		
50488	125 mm	1		

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

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

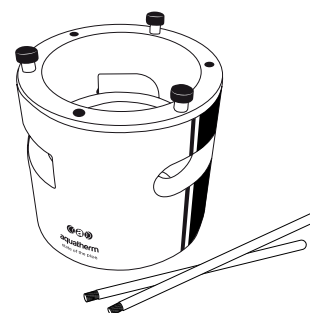
aquatherm EXTENSION FOR UNIVERSAL PEELING TOOL

Required for the electrofusion socket welding
(aquatherm electrofusion sockets on page 41)

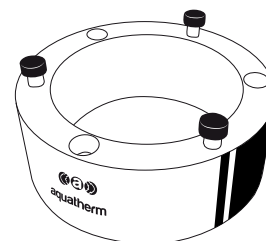


When electrofusion welding a longer welding depth is required, which is achieved by the combination of the universal peeling tool and the extension for the universal peeling tool (e.g. art.-no. 50479+50489)

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



incl. bolts
for manual peeling

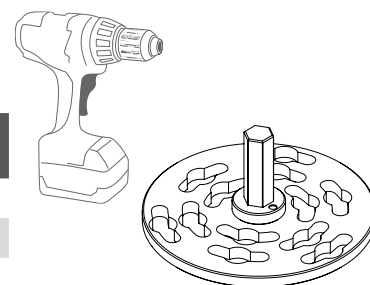


ATTACHMENT PLATE FOR UNIVERSAL PEELING TOOL

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

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

Delivery without drilling machine!



NEW SET OF UNIVERSAL PEELING TOOLS

20-63 mm

Art.-No.	Dimension	PU	Box unit	Price € m/pc
50477	for ø 20-63 mm	1		

including:

- 1x case
- 1x each 50479-50484 peeling tools 20-63 mm
- 1x 50499 attachment plate for universal peeling tools 50479-50484
- 1x 50503 handle set
- 1x 50504 torx screwdriver
- 1x 50505 hexagon right-angle screwdriver size 4
- 6x 99793 fixing screw for art.-no. 50489-50494 M5x25

NEW SET OF UNIVERSAL PEELING TOOLS

75-125 mm

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

including:

- 1 x case
- 1x each 50485-50488 peeling tools 75-125 mm
- 1x 50500 attachment plate for universal peeling tools 50485-50488
- 1x 50503 handle set
- 1x 50504 torx screwdriver
- 1x 50505 hexagon right-angle screwdriver size 4
- 6x 99794 fixing screw for art.-no. 50495-50498 M5x35

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

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

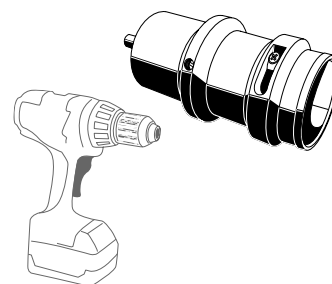
Required to remove the **oxid coating**
(aquatherm electrofusion sockets on page 41)



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

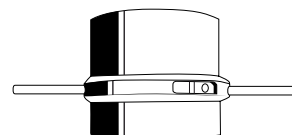
<i>For manual peeling</i>				
50574	110 mm	1		
50576	125 mm	1		
50580	160 mm	1		

<i>For manual peeling</i>				
50592	200 + 250 mm	1		

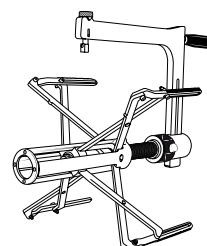


Art.-No. 50558-50572

In combination with a
drilling machine (not included!)



Art.-No. 50574-50580



Art.-No. 50592

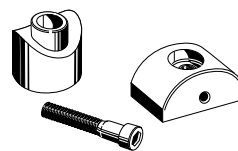
Not suitable for aquatherm green pipe UV, aquatherm blue pipe UV, aquatherm blue pipe OT and aquatherm green pipe MS

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

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

SADDLE WELDING TOOLS*for welding saddles*

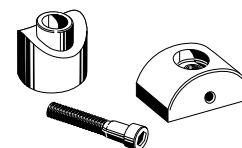
Art.-No.	Dimension	PU	Box unit	Price € m/pc
50614	40 x 20/25 mm	1		
50616	50 x 20/25 mm	1		
50619	63 x 20/25 mm	1		
50620	63 x 32 mm	1		
50623	75 x 20/25 mm	1		
50624	75 x 32 mm	1		
50625	75 x 40 mm	1		
50627	90 x 20/25 mm	1		
50628	90 x 32 mm	1		
50629	90 x 40 mm	1		
50631	110 x 20/25 mm	1		
50632	110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



SADDLE WELDING TOOLS

for welding saddles

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



aquatherm green pipe

aquatherm blue pipe

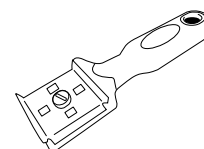
aquatherm lilac pipe

NEW MANUAL SCRAPER FOR aquatherm blue pipe OT PIPES

Art.-No.	Dimension	PU	Box unit	Price € m/pc
50509	with 4-fold blade, 35 mm wide			

For removal of the OT-layer to prepare the butt welding process.

Additionally, the manual scraper can be used for removing the oxide layer for the electrofusion socket welding.

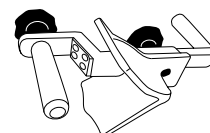
**NEW SET OF SPARE BLADES FOR ART.-NO. 50509**

Art.-No.	Dimension	PU	Box unit	Price € m/pc
99909	2 pieces = 1 set			

NEW CHAMFERING TOOL FOR aquatherm blue pipe OT PIPES

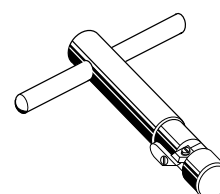
Art.-No.	Dimension	PU	Box unit	Price € m/pc
50510	32 - 250 mm			

For removal of the OT-layer to prepare the butt welding process.

**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

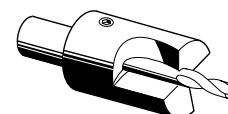


Only for stabi-composite pipes!

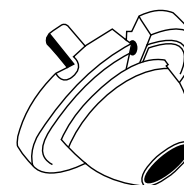
DRILLS for installation of weld-in saddles

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		

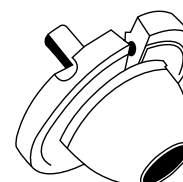
* may only be used in fixed drilling machines! ** tool holder MK4

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

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

**SADDLE PEELING TOOLS FOR aquatherm blue pipe OT PIPES Ø 160-250 mm**

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





TOOLS AND EQUIPMENT

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

p. 70/71
 Welding process for pipes **with** additional outer layer / protection layer

- aquatherm green pipe**
 SDR 7.4 MS & SDR 7.4/9 MF UV
- aquatherm blue pipe**
 SDR 7.4/11/17.6 MF UV & SDR 7.4/11 MF OT

p. 72/73
 Welding process for pipes **without** additional outer layer / protection layer

- aquatherm green pipe**
 SDR 6/7.4/11 S & SDR 7.4 MF & SDR 9 MF RP
- aquatherm blue pipe**
 SDR 11 S & SDR 7.4/11/17.6 MF
- aquatherm lilac pipe**
 SDR 7.4/11 S

p. 74
 Sliding sleeve technology (see also p. 89)

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

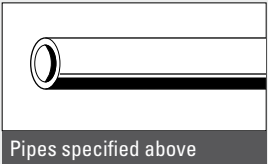
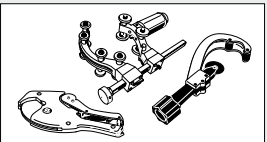
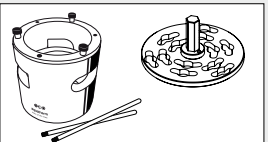
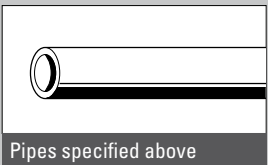
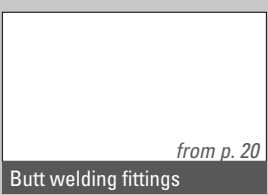
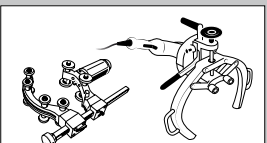
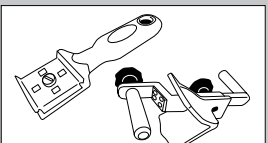
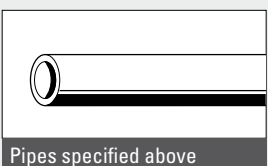
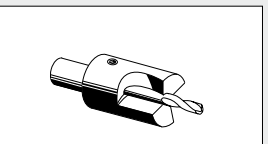
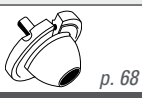
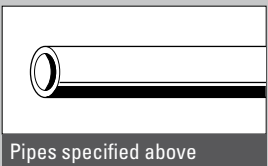
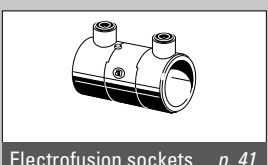
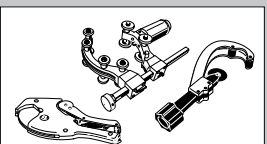
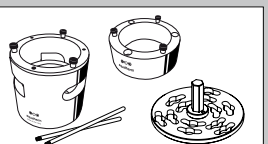
short cuts structure of pipe	
S	single
M	multilayer
MF	multilayer faser
MS	multilayer stabi
OT	oxygen tight
UV	UV resistant
TI	thermal insulation
HI	hardly inflammable

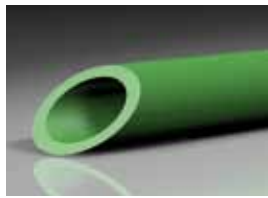
WELDING PROCESS TOOLS AND EQUIPMENT

for pipes *with* additional outer layer / protection layer

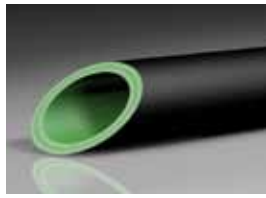
aquatherm green pipe SDR 7,4 MS & SDR 7,4/9 MF UV

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

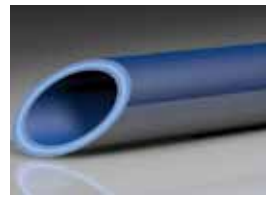
	PIPES & FITTINGS	CUTTING	PEELING	DRILLING	SADDLE PEELING / CHAMFERING
1	1. SOCKET WELDING 16-125 mm				
	 Pipes specified above  Socket welding fittings <i>from p. 18</i>	 Pipe cutter <i>p. 60/106</i> 50102 ø 16-40 mm 50104 ø 16-40 mm 50105 ø 50-125 mm 50106 ø 110-160 mm	 Universal peeling tool <i>p. 63</i> 50479-50488 20-125 mm (16 mm on request) + (opt.) Attachment plate* <i>p. 63</i> 50499/50500		
2	2. BUTT WELDING 160-630 mm				
	 Pipes specified above  Butt welding fittings <i>from p. 20</i>	 Pipe cutter <i>p. 60</i> 50106 ø 110-160 mm Orbital circular saw <i>p. 60</i> 50108 ø 160-355 mm			 Scraper/Chamfering tool <i>p. 68</i> for OT-pipes 50509 99909 Cutter for UV-pipes <i>not available with aquatherm!</i>
3	3. SADDLE WELDING 20-160 mm				
	 Pipes specified above  Weld-in saddles <i>from p. 35</i>			 Drill <i>S. 68</i> 50940-50958 20-160 mm	for OT pipes  <i>p. 68</i> Saddle welding tools * 50921-50928 for ø 50-125 mm 50421-50428 for ø 160-250 mm for MS pipes  <i>p. 68</i> Chafering device 50910-50914 for ø 20-40 mm
4	4. ELECTROFUSION SOCKET WELDING 20-125 mm				
	 Pipes specified above  Electrofusion sockets <i>p. 41</i>	 Pipe cutter <i>p. 60/106</i> 50104 ø 16-40 mm 50102 ø 16-40 mm 50105 ø 50-125 mm 50106 ø 110-160 mm	 Universal peeling tool <i>p. 63</i> 50479-50488 for ø 20-125 mm + Extension <i>p. 63</i> 50489-50498 + (opt.) Attachment plate* <i>p. 63</i> 50499/50500		
	PIPES & FITTINGS	CUTTING	PEELING	DRILLING	SADDLE PEELING / CHAMFERING



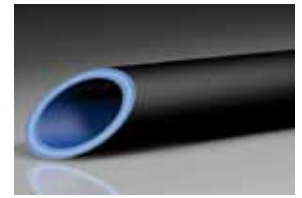
aquaTherm green pipe
SDR 7.4 MS
Page 11



aquaTherm green pipe
SDR 7.4/9 MF UV
Page 9



aquaTherm blue pipe
SDR 7.4/11 MF OT
Page 15



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

CLEANING

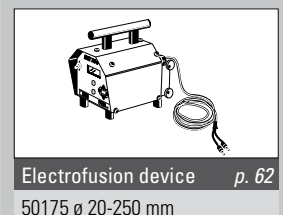
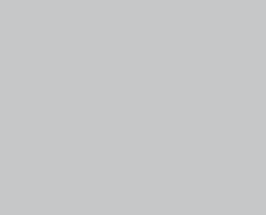
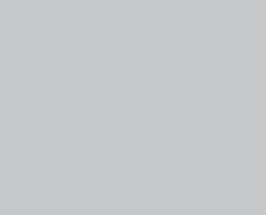
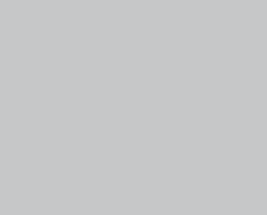
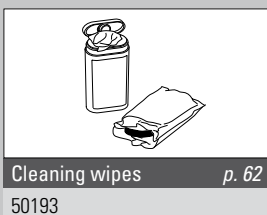
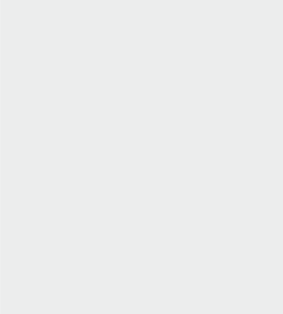
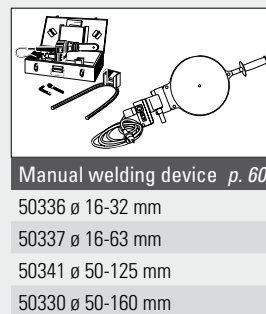
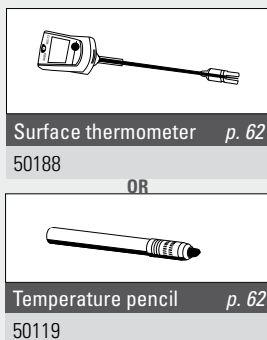
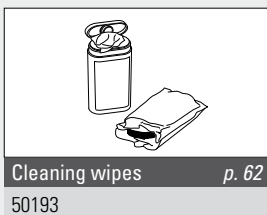
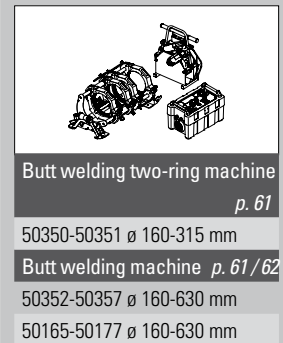
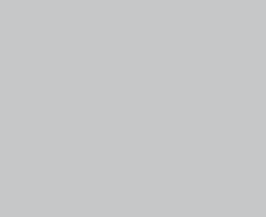
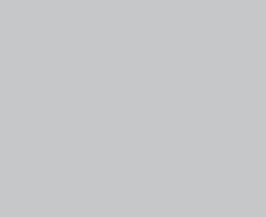
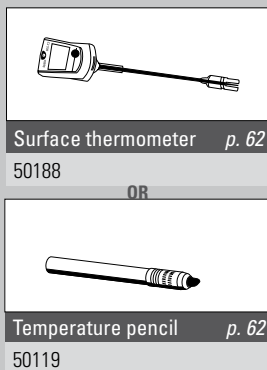
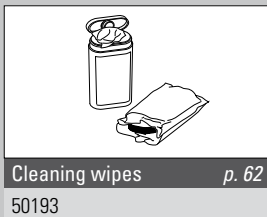
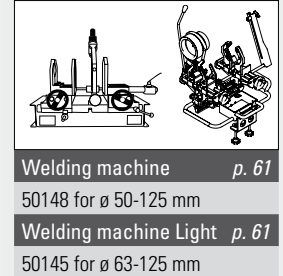
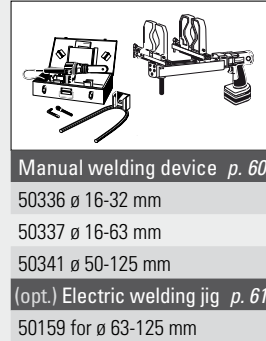
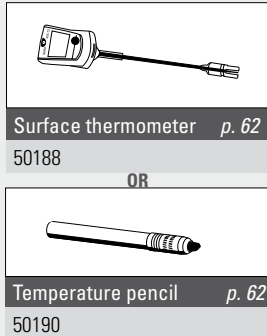
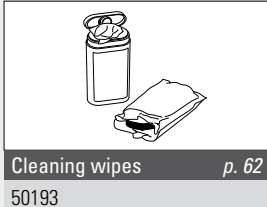
MEASUREMENT OF TEMPERATURE

WELDING TOOLS

MANUAL WELDING DEVICES

OR

WELDING MACHINES



CLEANING

MEASUREMENT OF TEMPERATURE

WELDING TOOLS

MANUAL WELDING DEVICES

OR

WELDING MACHINES

WELDING PROCESS TOOLS AND EQUIPMENT

for pipes *without* additional outer layer / protection layer

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

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



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

1

PIPES & FITTINGS

CUTTING

PEELING

DRILLING

SADDLE PEELING / CHAMFERING

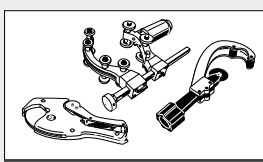
1. SOCKET WELDING 16-125 mm



Pipes specified above



Socket welding fittings



Pipe cutter *p. 60/106*

50104 ø 16-40 mm

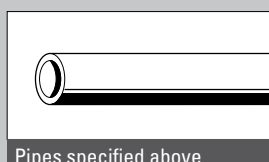
50102 ø 16-40 mm

50105 ø 50-125 mm

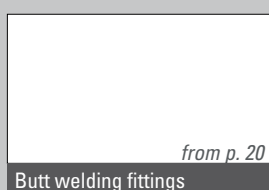
50106 ø 110-160 mm

2

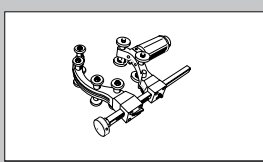
2. BUTT WELDING 160-630 mm



Pipes specified above



Butt welding fittings



Pipe cutter *p. 60*

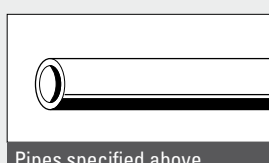
50106 ø 110-160 mm

Orbital circular saw *p. 60*

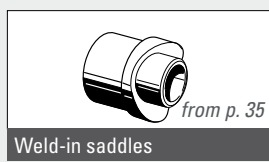
50108 ø 160-355 mm

3

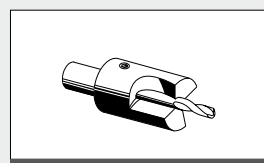
3. SADDLE WELDING 20-160 mm



Pipes specified above



Weld-in saddles



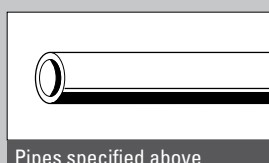
Drill *S. 68*

50940-50958

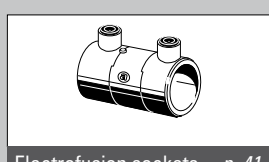
20-160 mm

4

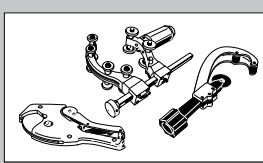
4. ELECTROFUSION SOCKET WELDING 20-250 mm



Pipes specified above



Electrofusion sockets *p. 41*



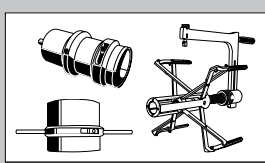
Pipe cutter *p. 60/106*

50104 ø 16-40 mm

50102 ø 16-40 mm

50105 ø 50-125 mm

50106 ø 110-160 mm



Peeling tools * *p. 65*

50558-50572

20-90 mm

Manual peeling tools *p. 65*

50574-50592

110-250 mm

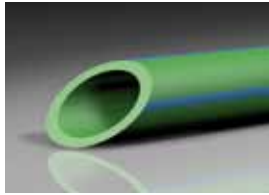
PIPES & FITTINGS

CUTTING

PEELING

DRILLING

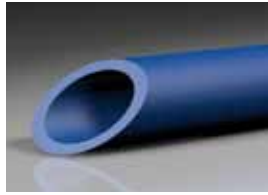
SADDLE PEELING / CHAMFERING



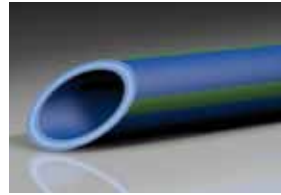
aquaTherm green pipe
SDR 11 S
Page 10-11



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



aquaTherm blue pipe
SDR 11 S
Page 15



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



aquaTherm lilac pipe
SDR 7.4/11 S
Page 16

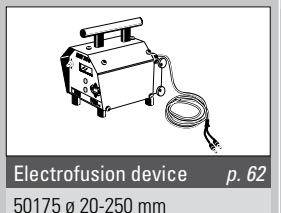
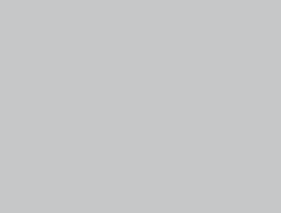
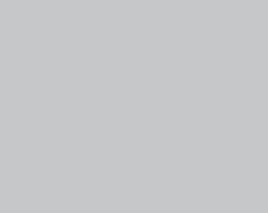
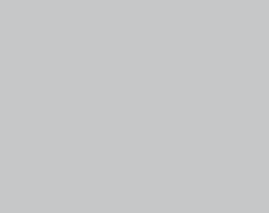
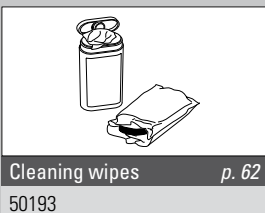
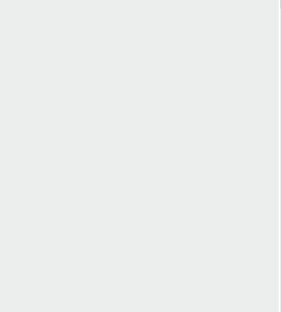
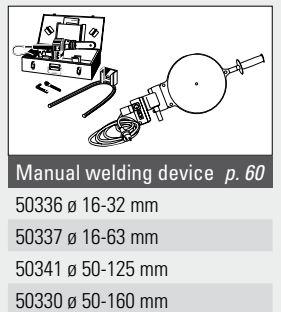
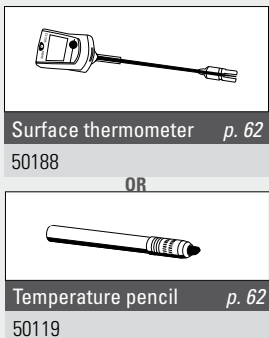
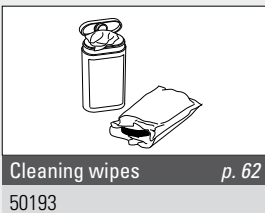
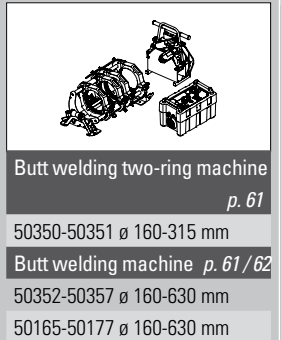
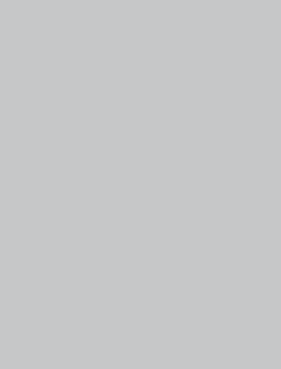
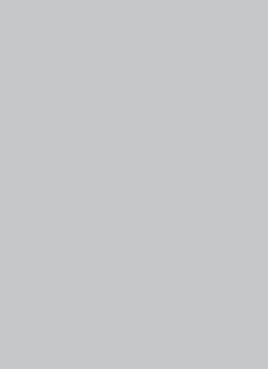
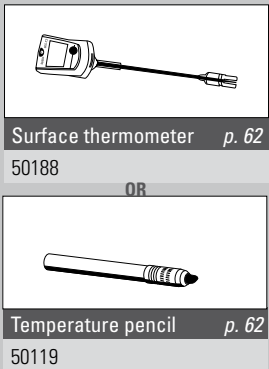
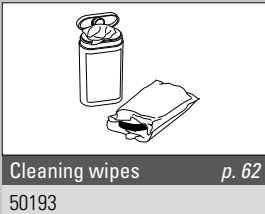
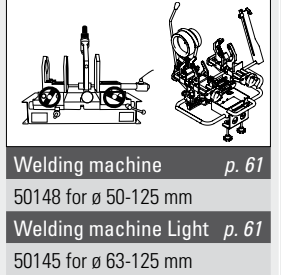
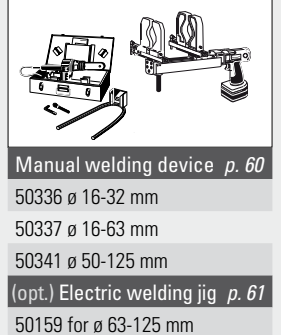
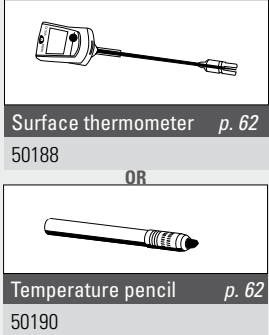
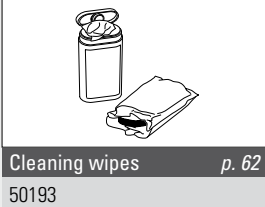
CLEANING

MEASUREMENT OF TEMPERATURE

WELDING TOOLS

MANUAL WELDING DEVICES OR

WELDING MACHINES



CLEANING

MEASUREMENT OF TEMPERATURE

WELDING TOOLS

MANUAL WELDING DEVICES OR

WELDING MACHINES

SLIDING SLEEVE TECHNOLOGY TOOLS AND EQUIPMENT

aquatherm grey pipe

PB-connection pipe 16-25 mm

Multi-layer metal composite pipe 16-40 mm

aquatherm orange system

PE-RT-pipe 10-25 mm

PB-pipe 16&17 mm

aquatherm black system

Drywall-heating element

with sliding sleeve connection

PIPES & FITTINGS

FALSE JAWS

EXPANDING

TOOL INSERTS

MOUNTING

1. MANUAL ASSEMBLY MULTI-LAYER METAL COMPOSITE PIPE 16-40 mm

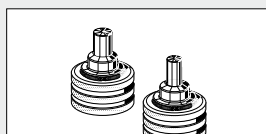


Pipes specified above



from p. 112

Fittings with sliding sleeves

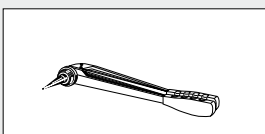


False jaws

p. 106

50857-50864

ø 16-40 mm

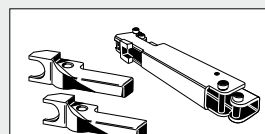


Expanding tool

p. 106

50800

ø 10-40 mm



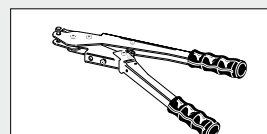
Tool insert

p. 108

50824-50834 for ø 10-40 mm

+(opt.) Angle attachment p. 107

50803



Mounting tool

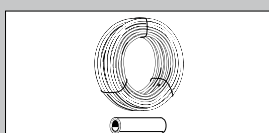
p. 107

50802

ø 10-40 mm

OR

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

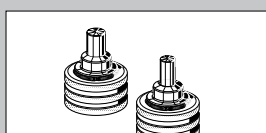


Pipes specified above



from p. 112

Fittings with sliding sleeves

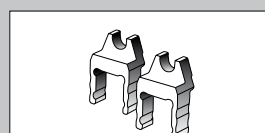


False jaws

p. 106

50857-50864

ø 16-40 mm

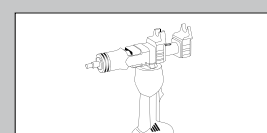


Tool inserts

p. 107

50875-50882

ø 16-40 mm



Hydraulic accumulator mounting tool

p. 107

50809

ø 16-40 mm

PIPES & FITTINGS

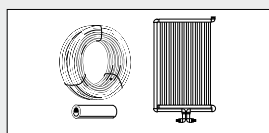
FALSE JAWS

EXPANDING

TOOL INSERTS

MOUNTING

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

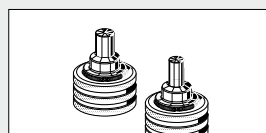


Pipes specified above



from p. 112

Fittings with sliding sleeves

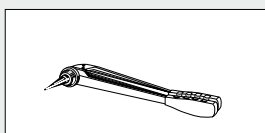


False jaws

p. 106

50814-50820

ø 10-25 mm

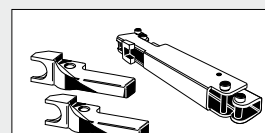


Expanding tool

S. 106

50800

ø 10-40 mm



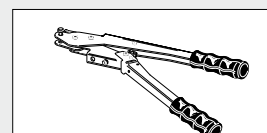
Tool insert

p. 108

50824-50834 for ø 10-40 mm

+(opt.) Angle attachment p. 107

50803



Mounting tool

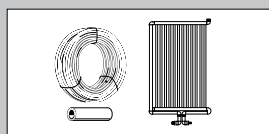
p. 107

50802

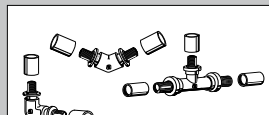
ø 10-40 mm

OR

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

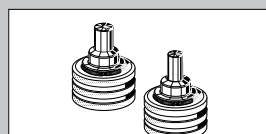


Pipes specified above



from p. 112

Fittings with sliding sleeves

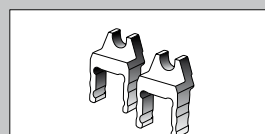


False jaws

p. 106

50814-50820

ø 10-25 mm

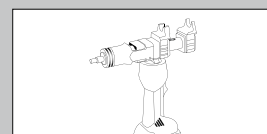


Tool inserts

p. 107

50875-50882

ø 16-40 mm



Hydraulic accumulator mounting tool

p. 107

50809

ø 16-40 mm

PERMISSIBLE WORKING PRESSURE - POTABLE WATER

Fluid transported: water acc. to DIN 2000

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

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

S = single layer

MS = multilayer stabi - integrated aluminium-layer

MF = multilayer faser

MF RP = multilayer faser - raised pressure (resistance)

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

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

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

PERMISSIBLE WORKING PRESSURE

For heating systems or closed systems considering the seasonal periods of operation - non potable water application

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

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

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

PERMISSIBLE WORKING PRESSURE

for general pressure pipe applications in permanent operation
charted application ranges on page 163 and 164

Temperature	Years of service	aquatherm blue pipe SDR 17.6 MF		aquatherm blue pipe SDR 11 MF & MF OT aquatherm lilac pipe SDR 11 S		aquatherm green pipe SDR 7.4 MF		aquatherm green pipe SDR 9 MF RP	
		Permissible working pressure in bar and (psi)							
		bar	(psi)	bar	(psi)	bar	(psi)	bar	(psi)
10 °C	1	12,8	(186)	27,8	(403)	30,2	(438)	28,8	(418)
	5	12,0	(174)	26,2	(380)	28,2	(409)	27,9	(405)
	10	11,7	(170)	25,6	(371)	27,7	(402)	27,5	(399)
	25	11,4	(165)	24,7	(358)	26,9	(390)	27,1	(393)
	50	11,1	(161)	24,1	(350)	26,1	(379)	26,7	(387)
15 °C	100	10,8	(157)	23,5	(341)	25,2	(366)	26,3	(381)
	1	11,8	(171)	25,7	(373)	29,4	(426)	26,9	(390)
	5	11,1	(161)	24,2	(351)	27,4	(397)	26,0	(377)
	10	10,8	(157)	23,6	(342)	26,9	(390)	25,7	(373)
	25	10,5	(152)	22,8	(331)	26,1	(379)	25,2	(366)
20 °C	50	10,2	(148)	22,2	(322)	25,3	(367)	24,9	(361)
	100	9,9	(144)	21,6	(313)	24,5	(355)	24,5	(355)
	1	10,9	(158)	23,8	(345)	28,6	(415)	25,0	(363)
	5	10,3	(149)	22,3	(323)	26,8	(389)	24,2	(351)
	10	10,0	(145)	21,7	(315)	26,1	(379)	23,9	(347)
25 °C	25	9,6	(139)	21,0	(305)	25,3	(367)	23,5	(341)
	50	9,4	(136)	20,4	(296)	24,5	(355)	23,1	(335)
	100	9,1	(132)	19,9	(289)	23,7	(344)	22,8	(331)
	1	9,3	(135)	20,2	(293)	24,3	(352)	21,7	(315)
	5	8,7	(126)	18,9	(274)	22,8	(331)	20,9	(303)
30 °C	10	8,5	(123)	18,4	(267)	22,0	(319)	20,6	(299)
	25	8,2	(119)	17,8	(258)	21,3	(309)	20,2	(293)
	50	7,9	(115)	17,3	(251)	20,7	(300)	19,9	(289)
	100	7,7	(112)	16,8	(244)	20,0	(290)	19,7	(286)
	1	7,9	(115)	17,1	(248)	20,5	(297)	18,6	(270)
35 °C	5	7,4	(107)	16,0	(232)	19,2	(278)	18,0	(261)
	10	7,2	(104)	15,6	(226)	18,7	(271)	17,7	(257)
	25	6,9	(100)	15,0	(218)	18,0	(261)	17,3	(251)
	50	6,7	(97)	14,6	(212)	17,5	(254)	17,1	(248)
	100	6,5	(94)	14,1	(205)	16,8	(244)	16,8	(244)
40 °C	1	6,7	(97)	14,5	(210)	17,5	(254)	15,9	(231)
	5	6,2	(90)	13,5	(196)	16,2	(235)	15,3	(222)
	10	6,0	(87)	13,1	(190)	15,7	(228)	15,1	(219)
	25	5,8	(84)	12,6	(183)	15,2	(220)	14,7	(213)
	50	5,6	(81)	12,2	(177)	14,7	(213)	14,5	(210)
45 °C	100	5,5	(80)	11,9	(173)	14,1	(205)	14,3	(207)
	1	5,6	(81)	12,2	(177)	14,7	(213)	13,5	(196)
	5	5,2	(75)	11,4	(165)	13,7	(199)	13,0	(189)
	10	5,1	(74)	11,0	(160)	13,2	(191)	12,7	(184)
	25	4,9	(71)	10,6	(154)	12,6	(183)	12,4	(180)
50 °C	50	4,7	(68)	10,3	(149)	12,1	(175)	12,2	(177)
	1	4,7	(68)	10,3	(149)	12,4	(180)	11,3	(164)
	5	4,4	(64)	9,6	(139)	11,4	(165)	10,9	(158)
	10	4,2	(61)	9,2	(133)	11,1	(161)	10,7	(155)
	25	3,7	(54)	8,0	(116)	9,6	(139)	10,4	(151)
55 °C	50	3,1	(45)	6,8	(99)	8,1	(117)	10,2	(148)
	1	4,3	(62)	9,4	(136)	11,7	(170)	10,4	(151)
	5	4,0	(58)	8,7	(126)	10,8	(157)	9,9	(144)
	10	3,7	(54)	8,0	(116)	10,0	(145)	9,7	(141)
	25	3,0	(44)	6,4	(93)	8,0	(116)	9,5	(138)
60 °C	50	2,5	(36)	5,4	(78)	6,7	(97)	9,3	(135)
	1	4,0	(58)	8,6	(125)	10,4	(151)	9,5	(138)
	5	3,5	(51)	7,7	(112)	9,2	(133)	9,0	(131)
	10	3,0	(44)	6,5	(94)	7,8	(113)	8,9	(129)
	25	2,4	(35)	5,2	(75)	6,2	(90)	8,6	(125)
70 °C	1	3,3	(48)	7,2	(104)	8,7	(126)	7,8	(113)
	5	2,3	(33)	5,1	(74)	6,0	(87)	7,4	(107)
	10	2,0	(29)	4,3	(62)	5,1	(74)	7,3	(106)

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

S = single layer

MS = multilayer stabi - integrated aluminium-layer

MF = multilayer faser

MF RP = multilayer faser - raised pressure (resistance)

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

FURTHER INFORMATION

aquatherm green pipe , aquatherm blue pipe & aquatherm lilac pipe pipe systems for the application in potable water and heating and for reclaimed and recycled water	Ord.-No.: E10101
aquatherm blue pipe for chilled, hot fluid and various industrial applications	Ord.-No.: E10050
aquatherm red pipe sprinkler pipe system	Ord.-No.: E40000
aquatherm orange system underfloor heating systems	Ord.-No.: E90001
aquatherm black system heating and cooling system	Ord.-No.: E97060
aquatherm grey pipe potable water and radiator connection system	Ord.-No.: E70001
aquatherm - reference catalogue	Ord.-No.: E57002
aquatherm ti - district heating pipeline systems	Ord.-No.: E30000

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or simply visit our download area at our website **www.aquatherm.de**



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ISO 14001:2004
ISO 50001:2011
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