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2018

PRODUCT CATALOGUE 2018

aquatherm

state of the pipe

NEW ARTICLES SINCE THE LAST VERSION

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42	16175–16300	aquatherm Weld-on saddle set with ball valve
56	21311	aquatherm green pipe Transition piece female thread 25 mm
aquatherm black system		
137	6256118	aquatherm black system heating and cooling grid for ceiling panels 56x118 cm = 0,7 m²
139	81301	aquatherm black system Connection plug
139	81302	aquatherm black system Magnet-Clip
139	81303	aquatherm Distance piece
139	81304	aquatherm black system perforated tape
137	81038	aquatherm black system Corrugated connecting pipe 100 cm with 2 x plug elbow 90°
137	81044	aquatherm black system Corrugated connecting pipe 50 cm with 2 x welding elbow 90°
137	81047	aquatherm black system Corrugated connecting pipe 100 cm with 2 x welding elbow 90°
137	81048	aquatherm black system Corrugated connecting pipe 150 cm with 2 x welding elbow 90°
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148	92402–92412	Heating circuit manifold with flow indicator and dynamic valves
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96	50950	aquatherm Drill 75 mm
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125	77000–77002	aquatherm grey pipe potable water and radiator connection pipe
125	77080–77092	aquatherm grey pipe End sleeve for corrugated pipe
128	50823	aquatherm grey pipe False jaw for expanding-tool 17 mm
150	50823	aquatherm grey pipe False jaws for expanding-tool 17 mm
156	79986	aquatherm grey pipe Spare sliding sleeve 10 mm
156	79991	aquatherm grey pipe Spare sliding sleeve 17 mm
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145	6256120	aquatherm black system heating and cooling grid for ceiling panels 62,5x125 cm
146	81030	aquatherm black system Corrugated connecting pipe L 1,25 m, double sided push-fit connection
146	81033	aquatherm black system Corrugated connecting pipe L 1,25 m double sided push-fit connection
146	81034	aquatherm black system Corrugated connecting pipe L 1,25 m with elbow push-fit connection/on one side rotated by 90°
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146	81040	aquatherm black system Corrugated connecting pipe L 57 cm, double sided push-fit connection
146	81041	aquatherm black system Corrugated connecting pipe L 57 cm, one-sided push-fit connection, one sided aquatherm grey pipe 16 mm
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148	781292	aquatherm black system Transition adapter for grey pipe
aquatherm orange system		
150	90020	aquatherm orange system surface heating and radiator connecting pipe 10x1,25 mm
150	96004	aquatherm orange system pipe hasp
150	90502	aquatherm orange system pipe clamp 14–17 mm
151	95500	aquatherm orange system Coupling 10 mm
151	95537	aquatherm orange system Coupling 17 mm
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151	95510–95512	aquatherm orange system Transition piece, male
151	90512-90517	aquatherm orange system Profile rail
152	91112	aquatherm orange system System element knob plate F ND 11
152	91115	aquatherm orange system Systemelement knob plate F ND 30-2
152	91033	aquatherm orange system Insulation roll 30 mm
152	91035	aquatherm orange system Insulation roll 35 mm
152	91210	aquatherm orange system Foil with imprinted grid
152	91039	aquatherm orange system System Element 25
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156	78298	aquatherm orange system Adapter 20x15 mm
156	95210	aquatherm orange system Heating pipe coupling Adapter
156	95212–95214	aquatherm orange system Heating pipe screw connection Adapter
157	93111	aquatherm orange system Universal manifold cabinet UP6
158	94240	aquatherm orange system Connection system EV 230
158	94207	aquatherm orange system Room thermostat
159	94246	aquatherm orange system Automatic control, wireless 868 A4
159	94247	aquatherm orange system Automatic control, wireless 868 A6
159	94251	aquatherm orange system Room thermostat wireless 868 R1
159	94252	aquatherm orange system Connection system EV 24 HK Hyg
159	94254	aquatherm orange system Room thermostat heating and cooling RHK 40122 N
160	94234	aquatherm orange system Control for heating and cooling KLR-E 52558

All prices are for piece, m, m², kg or set. PU = packaging unit
Recommended retail price of the manufacturer.
Our sales and delivery conditions (January 2014) and the contacts of our technical sales and distribution see on our homepage www.aquatherm.de.
Technical details and prices are subject to change. With the edition of this price list, all former ones become void.

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FIELDS OF APPLICATION

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	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	10208 . . . 10248
2	aquatherm	green pipe	SDR 7.4	S		PP-R/GF0/E	10806 . . . 10908
3	aquatherm	green pipe	SDR 6	S		PP-R/GF0/E	10006 . . . 10110
4	aquatherm	green pipe	SDR 7.4	MF		PP-R/GF7/E	70708 . . . 70738
5	aquatherm	green pipe	SDR 7.4	MF	UV	inliner like 4 with black PE-coating	70758 . . . 70788
6	aquatherm	green pipe	SDR 9	MF	TI	inliner like 7 with PU-Insulation and black PE-casing	1370711 . . . 1370738
7	aquatherm	green pipe	SDR 9	MF	RP	PP-RP/GF7/E	370712 . . . 370744
8	aquatherm	green pipe	SDR 9	MF	RP UV	inliner like 8 with black PE-coating	370762 … 370794
9	aquatherm	blue pipe	SDR 11	S		PP-R/GF0/E	2010208 . . . 2010312
10	aquatherm	blue pipe	SDR 7.4 / SDR 11 / SDR 17.6	MF		PP-R/GF7/E	2070708 . . . 2570154
11	aquatherm	blue pipe	SDR 7.4 / SDR 11	MF	UV	inliner like 10 with black PE-coating	2070162 . . . 2070762
12	aquatherm	blue pipe	SDR 7.4 / SDR 11	MF	OT	inliner like 10 with EVOH O2-barrier	2170114 . . . 2170712
13	aquatherm	blue pipe	SDR 7.4 / SDR11	MF	TI	inliner like 10 with PU-Insulation and black PE-casing	2270111 . . . 2270142
14	aquatherm	blue pipe	SDR 7.4 / SDR11	MF	OT-TI	inliner like 12 with PU-insulation and black PE-casing	2470711 . . . 2470138
15	aquatherm	red pipe	SDR 7.4	MF	HI	PP-R/GF7/B-s1,d0	4170130 . . . 4170726
16	aquatherm	lilac pipe	SDR 7.4 / SDR11	S		PP-R/GF0/E	9010212 . . . 9010808
17	aquatherm	black system			OT		
18	aquatherm	orange system		S	OT		
19	aquatherm	grey pipe					

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

LEGEND			
S	single layer	**UV**	ultraviolet protected
M	multilayer	**TI**	isolated with PUR and external PE pipe
MF	multilayer faser	**RP**	raised pressure (resistance)
OT	oxygen tight	**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
●	❍	●	●	❍		❍	●	●	●
●	❍	●	●	❍		❍	●	●	●
●	❍	●	●	❍		❍	●	●	●
●	❍	●	●	❍		❍	●	●	●
●	❍	●	●	❍		❍	●	●	●
●	❍	●	●	❍		❍	●	●	●
●	❍	●	●	❍		❍	●	●	●
●	❍	●	●	❍		❍	●	●	●
	●	●	●	❍		●	●	●	●
	●	●	●	❍		●	●	●	●
	●	●	●	❍		●	●	●	●
	●	●	●	❍		●	●	●	●
	●	●	●	❍		●	●	●	●
	●	●	●	❍		●	●	●	●
					●				
				●					
	●							●	
	●								
●	❍								

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

ENVIRONMENTAL PRODUCT DECLARATION AND LEED CERTIFICATION

As the world´s first pipe system manufacturer, aquatherm has developed an Environmental Product Declaration (EPD) for its products. Thus the aquatherm products contribute to the attainment of points in the LEED system. Learn more about the importance of life cycle assesments, environmental product declarations and LEED for planners, engineers and builders.

Life-Cycle Assessments (LCAs)
LCAs provide a comprehensive evaluation of the upstream and downstream energy and environmental impacts associated with a product. They are comprised of five parts: Goal, Scope, Life-Cycle Inventory Analysis, Results and Interpretation. aquatherm has chosen the gradle-to-gate approach for its LCA „Life Cylce of Polypropylene Pressure Piping Systems" encompassing the product life cycle from the extraction of raw materials through manufacturing and product distribution.

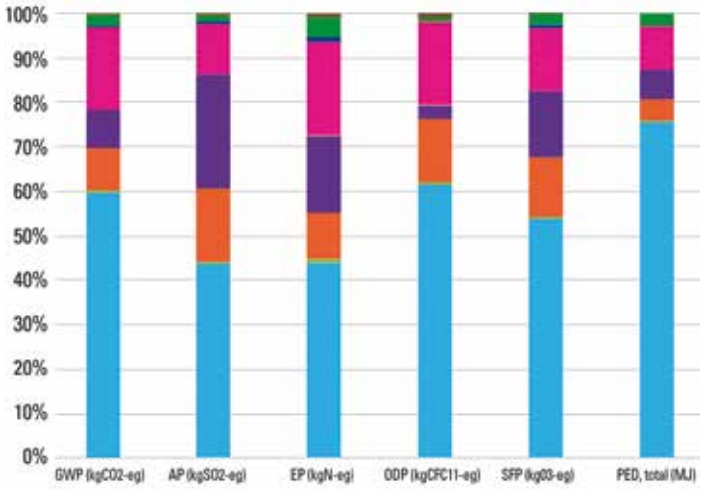
Environmental Product Declarations (EPDs)
The EPD is the document used to convey the LCA's results to the products' users and specifiers. It focuses on information about a product's environmental impact such as global warming, ozone depletion, water pollution, ozone creation and greenhouse gas emissions.

EPDs typically are verified following the processes described in ISO 14025, EN 15804, and ISO 21930 for construction products. These steps include: 1) Finding or developing a Product Category Rule (PCR); 2) Generating the input data and performing an LCA according to a specific PCR; 3) Compiling information in the EPD; 4) Verification of the EPD and LCA; and 5) Registration and publication.

aquatherm utilized ThinkStep as independent third party to conduct an ISO-conformant LCA for its following product lines: green pipe, blue pipe, lilac pipe, red pipe and the black system for radiant heating and cooling and red pipe. In the study, one meter (3.2 ft) length of pipe was selected as functional unit per the requirements of the respective PCR "Piping Systems for Use for Sewage and Storm Water (Under Gravity)". The declared product was defined as a representative average of the five aquatherm product offerings.

Two different test methods were chosen to analyze the products in the LCA: Tool for Reduction and Assessment of Chemical and Other Environmental Impacts (TRACI) 2.1 and CML 2001, a method developed by the Institute of Environmental Sciences at the University of Leiden in the Netherlands. The TRACI 2.1 method utilized impact categories, including Global Warming Potential (GWP), Acidification Potential (AP), Eutrophication Potential (EP), Ozone Depletion Potential (ODP), and Smog Formation Potential (SFP). The results of the findings are summarized in the following table.

Environmental impacts and Primary Energy Demand of aquatherm PP-R piping systems according to TRACI 2.1



Upon completion of the aquatherm product-specific LCA, aquatherm submitted its products, the LCA, and supporting documentation for independent verification by NSF International. The verification process included a review by an independent panel of experts, an audit of the manufacturing facilities and records, and a confirmation of material formulations. aquatherm's Product-Specific Type III third-party verified EPD was published Dec. 18, 2015: http://info.nsf.org/Certified/Sustain/ProdCert/EPD10069.pdf
Within the EPD, you will find information on aquatherm, its product descriptions, data quality requirements, raw-materials origins, a manufacturing diagram, a declaration of parameters per the PCR, and the lifecycle-impact conclusion for aquatherm pipe.

Advantages of PP-R piping systems and radiant panels compared to metall systems
The analysis has shown that polypropylene comprises nearly 50 % or more of the impact contribution depending on the impact category. Also Primary Energy Demand (PED) is mainly driven by polypropylene. However, this is because of the embodied energy content of the resin rather than fuel consumption upstream. In other words, aquatherm polypropylene has available energy within the material that can be recovered later in the product's life cycle during recycling. This differs greatly compared with metals. With metal systems, all of the energy is used in the original processing of the raw material. Metals do not provide energy to the recycling process.

Thus aquatherm PP-R piping systems and radiant panels can provide a more sustainable, lower environmental impact option to designers, engineers and building owners when compared with other piping and radiant panel systems.

How is aquatherm's EPD relevant to LEED v4 points?
LEED stands for „Leadership in Energy and Environmental Design" and is one of the most popular green building certification programs used worldwide. It was developed by the U.S. Green Building Council (USGBC) in 1998 and has defined various standards for environmentally friendly, resource-saving and sustainable construction.

LEED v4 incorporates point structures to encourage the use of products/materials that environmentally, economically, and socially support preferable life-cycle impacts. Point structures were developed to reward the selection of products from manufacturers who have verified improved environmental life-cycle impacts.

aquatherm's green pipe, blue pipe, lilac pipe, red pipe and black system products have attained Type III EPD status through independent verification by NSF International. They now can be utilized as a portion of the 20 permanent products engineers must have throughout their LEED-certified buildings. aquatherm's EPD also carries double the weight of the Industry-Wide (Generic) EPD in terms of LEED product value and four times the weight of a self-certified Product-Specific Declaration by a manufacturer.

aquatherm has continued its industry leadership position by becoming the first piping manufacturer to have an independently verified, Product-Specific Type III EPD and by supporting building owner to achieve LEED certification.

For further information please see our White Paper:
http://www.aquatherm-pipesystems.com/fileadmin/template/img/4.%20Service/PDF/aquatherm_LEEDv4_english.pdf

AQUATHERM SUPPORTS ARCHITECTS AND DESIGNERS IN 3D MODELING WITH BIM FILES

Product data are available as Revit families

Building Information Modeling (BIM) belongs to the future – experts of the construction and building technology industry are sure of that. The software-aided method for designing, executing and managing buildings and other civil works is based on virtual models and includes extensive databases, providing a central administration of all information that is relevant to projects.

aquatherm provides free BIM data sets to architects and specialist planners which can be downloaded under www.aquatherm.de/BIM. The data are available as Revit families for the product lines aquatherm green pipe, aquatherm blue pipe and aquatherm lilac pipe. In addition, the two CAD data formats dwg and stp are offered for 3D modeling. On request, the company also provides iam and ipt data. The data sets for the aquatherm red pipe, aquatherm ti and aquatherm black system product families will follow until the beginning of the year 2018.

Beside graphical 3D models, the aquatherm Revit families contain all necessary information to make BIM-capable designs: from article numbers, flowrates and analyses, volumes, dry weight and water weight to information for the static calculation of the building.

It is still a long way to the perfect BIM world. Above all in Germany, where the issue is rather raised with hesitation. There is still a lot of awareness and training work to do in order to reduce fears and refusal. For many years aquatherm has already been working intensely to provide users with product data as 3D models. The extension of the data sets for BIM is a logical step that we are consequently following and implementing.

BIM offers advantages for all persons involved

BIM offers versatile advantages for all persons involved in the designing and building process, as well as for operating companies. This includes the simulation of the building progress at an early point of time, which leads to less changes and more accurate forecast of scheduling. Collision tests are easier to do and less fault-prone. The degree of prefabricated products and modules is increasing. BIM allows architects and designers a more specified calculation of costs. They can judge more reliably which effects changes have on building and operating costs.

Whereas the governments of Great Britain, the Netherlands, Denmark, Finland and Norway already ask for the use of BIM in case of publically financed projects, the issue gradually but continuously gains momentum in Germany. On December 15, 2015 the Federal Ministry of Transport and Digital Infrastructure (BMVI) presented a plan by three stages for the introduction of BIM. In the last stage as of end of 2020, BIM should be used regularly in the total traffic infrastructure construction for new projects to be planned. Independent of the BMVI plan, experts expect BIM to become accepted throughout Germany within a few years because of its proven efficiency.

BIM data sets in Revit format as well as other data formats of the aquatherm product families can be downloaded here:

aquatherm Germany: www.aquatherm.de/BIM

aquatherm North America: www.aquatherm.com/revit

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
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

COLOUR SCHEMA
For the presentation of combinable products.

Systems			
			• aquatherm green pipe • aquatherm blue pipe • aquatherm lilac pipe
•			Only applicable with aquatherm green pipe
•	•	•	Applicable with aquatherm green pipe, aquatherm blue pipe and aquatherm lilac pipe
	•		Only applicable with aquatherm blue pipe

aquatherm green pipe

The innovative all-rounder, which revolutionized the plastic pipe sector, made a name for itself within a very short time that stands for highest quality and outstanding ecological properties. The system of aquatherm has proven its excellent technical suitability in more than 30 years of application worldwide, and among experts has long been one of the most extensive and at the same time best plastic pipe systems.

The system includes the different types of pipes SDR 6, SDR 7.4, SDR 9 and SDR 11. These are supplemented by the especially reinforced fiber composite pipe. More than 450 joining and connection elements as well as valves and ball valves complete the system. The products are available from 16 mm to 450 mm external diameter.

Pipe system made of polypropylene
for potable water supply

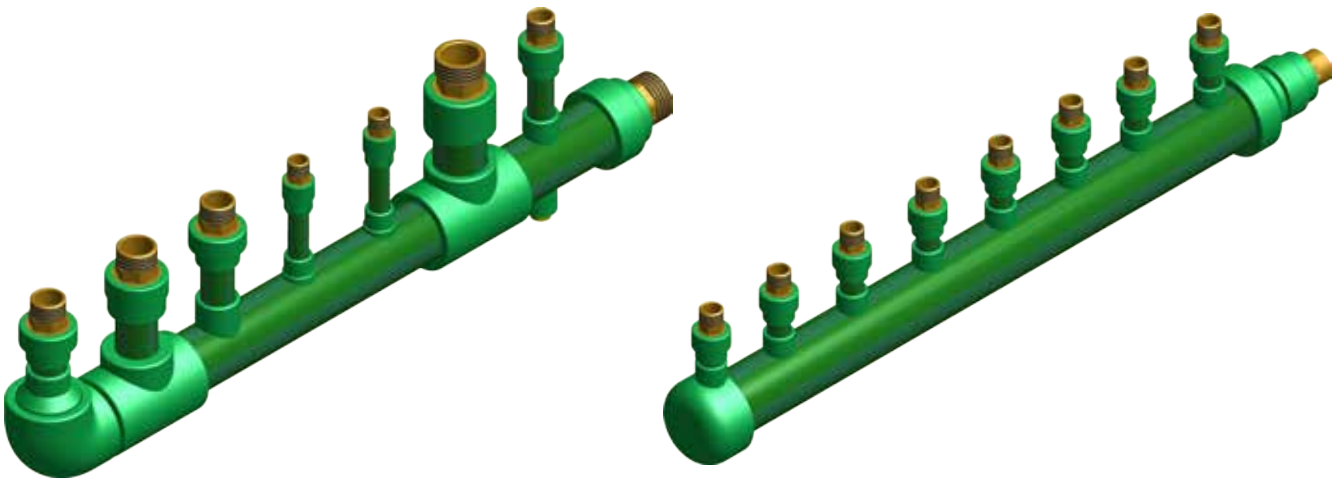
article no.	old brand name	new brand name		Standard Dimension Ratio	structure of pipe	special feature of pipe	material
		company	system				
10208 . . . 10248	fusiotherm SDR11	aquatherm	green pipe	SDR 11	S		PP-R
10806 . . . 10818	fusiotherm SDR7.4	aquatherm	green pipe	SDR 7.4	S		PP-R
10006 . . . 10024	fusiotherm SDR6	aquatherm	green pipe	SDR 6	S		PP-R
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

MANIFOLD CONSTRUCTION – CUSTOM MADE

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

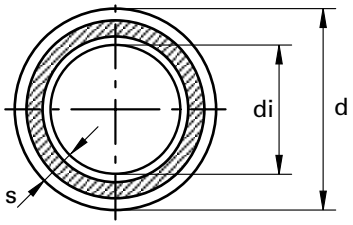
You only have to send us the respective drawings and/or sketches with specifications. We return the offer including material list and drawing. A qualified team of experienced technicians likes to assist you.

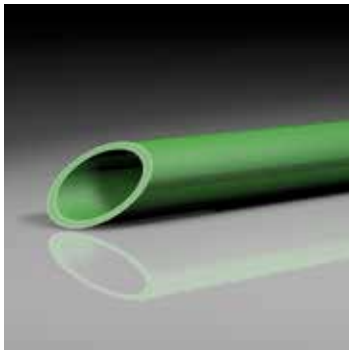
For detailed information referring “manifold construction” please contact our technical hotline: +49 (0) 2722 950-200!



aquatherm green pipe **SDR 9 MF RP**

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



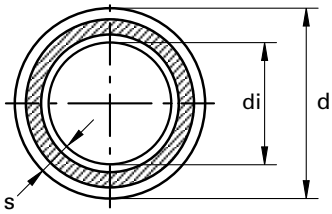


Mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-R.

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
					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	
9	**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
SKZ A314/616
Colour: green with 4 dark green stripes
Packing Unit: straight legths 4 m
Packing Unit: PU in meter
Application:

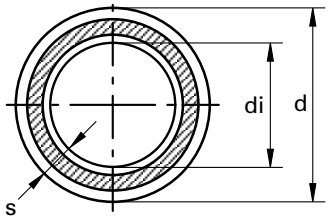


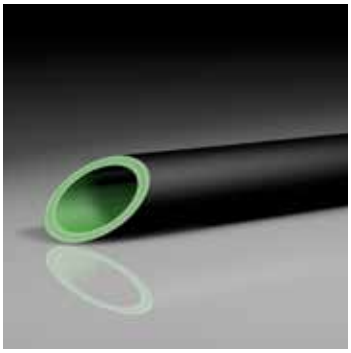
Mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-R.

SDR	Art. no.	Dimension d [mm]	Wall thickness s [mm]	Internal diameter di [mm]	Water content [l/m]	Weight [kg]	DN	PU [m]	Price € m/pc
				Socket welding					
7.4	**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 10*					

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:



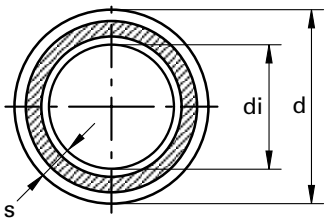


Resistant against UV-rays. Mechanically stabilized through a faser mix integrated in the middle layer of the fusiolen® PP-R.

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
					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	
9	**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 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
SKZ A314/616
Colour: outer layer: black
inner layer: green
Form supplied: straight legths 4 m
ø 160–250 mm straight lengths 5.8 m
Packing Unit: PU in meter
Application:

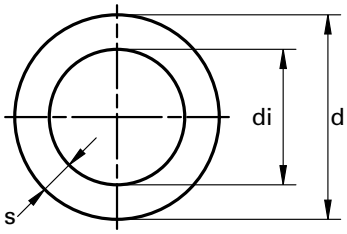


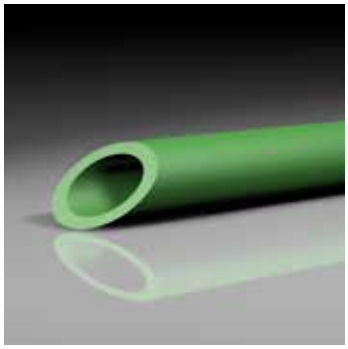
Resistant against UV-rays. Mechanically stabilized through a faser mix integrated in the middle layer of the fusiolen® PP-R.

SDR	Art. no.	Dimension d [mm]	Wall thickness s [mm]	Internal diameter di [mm]	Water content [l/m]	Weight [kg]	DN	PU [m]	Price € m/pc
7.4					*Socket welding*				
	70758	**20**	2,8	14,4	0,163	0,210	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	-	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 12*					

aquatherm green pipe **SDR 6 / 7.4 S**

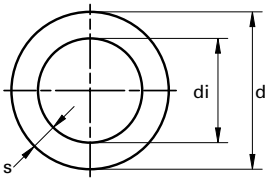
Structure of pipe: s (single)
Material: fusiolen PP-R
Pipe series: SDR 6 / S 2.5 & SDR 7.4 / S 3.2
Standards: DIN 8077. DIN 8078, DIN EN ISO 15874, ASTM F 2389, CSA B 137.11
Colour: green
Form supplied: 4 m straight lengths, also* in coils
Packing Unit: PU in meter
Application:

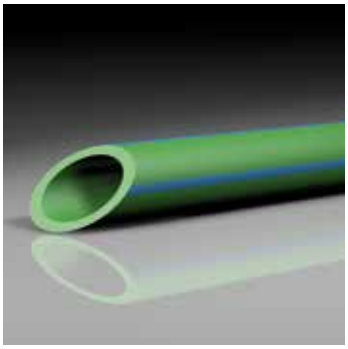




SDR	Art. no.	Dimension d [mm]	Wall thickness s [mm]	Internal diameter di [mm]	Water content [l/m]	Weight [kg]	DN	PU [m]	Price € m/pc
6	**10006**	**16**	2,7	10,6	0,088	0,111	10	100	
	10008	**20**	3,4	13,2	0,137	0,174	12	100	
	10010	**25**	4,2	16,6	0,216	0,268	15	100	
	10012	**32**	5,4	21,2	0,353	0,437	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	
	10110*	**25**	4,2	16,6	0,216	0,268	15	100	
7.4	**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 **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
					Socket welding				
11	**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	
					Butt welding				
	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*

aquatherm blue pipe

aquatherm blue pipe, our specialty for distributing cooling and heating in closed systems as well as in several industrial applications. It was developed in order to prevent corrosion in heating system 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. In addition to the general advantages of the PP-R-pipesystem aquatherm blue pipe in comparison with the aquatherm green pipe system it offers higher volumetric current values due to smaller wall thickness.

Pipe system made of polypropylene
for chilled, hot fluid and various industrial applications

article no.	old brand name	new brand name		Standard Dimension Ratio	structure of pipe	special feature of pipe	material
		company	system				
2010208 . . . 2010212	climatherm SDR11	aquatherm	blue pipe	SDR 11	S		PP-R
2070112 . . . 2070712	climatherm faser composite pipe SDR7.4/SDR11	aquatherm	blue pipe	SDR 7.4/SDR 11	MF		PP-R
2070162 . . . 2070762	climatherm faser composite pipe SDR7.4/SDR11/SDR 17.6 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
2570130 . . . 2570154	climatherm faser composite pipe SDR17.6	aquatherm	blue pipe	SDR 17.6	MF		PP-R
2270111 . . . 2270142	climatherm faser composite pipe SDR7.4/SDR11 ISO	aquatherm	blue pipe	SDR 7.4/SDR 11	MF	TI	PP-R
2470711 . . . 2470126	climatherm faser composite pipe SDR7.4/SDR11 OT ISO	aquatherm	blue pipe	SDR 7.4/SDR 11	MF	OT-TI	PP-R

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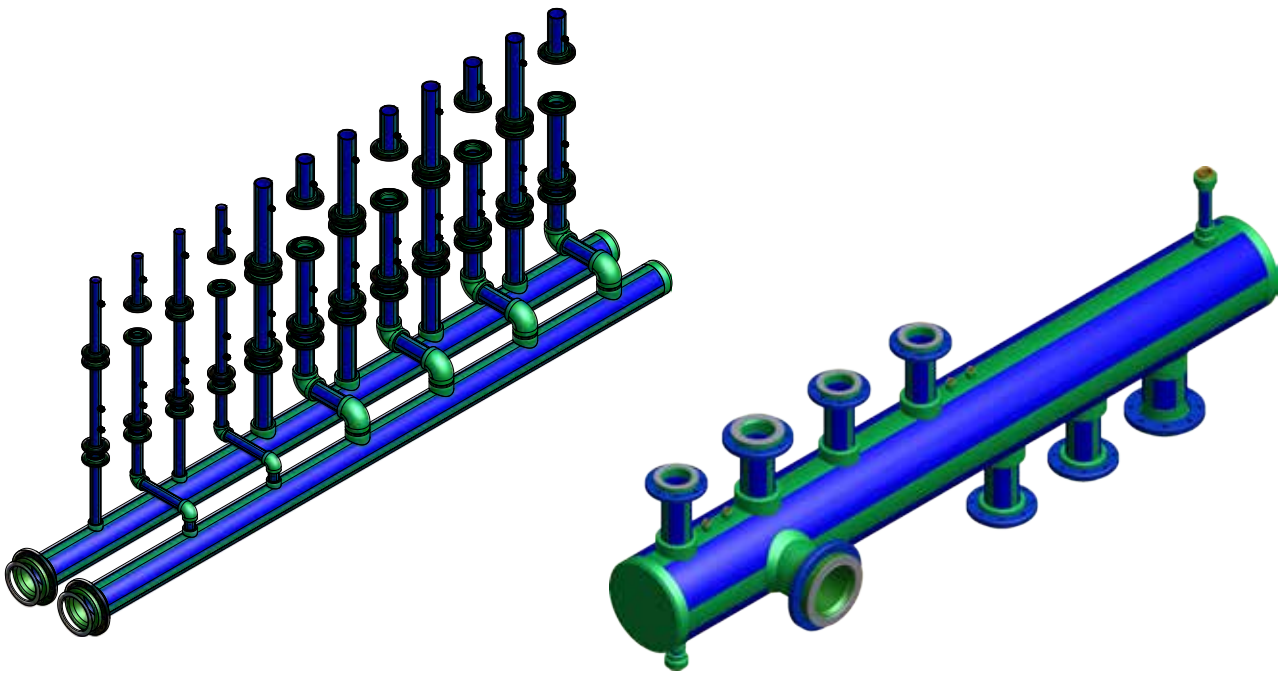
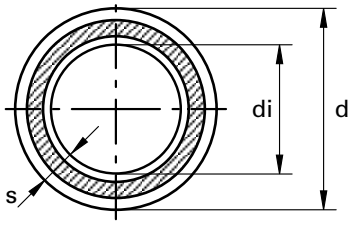
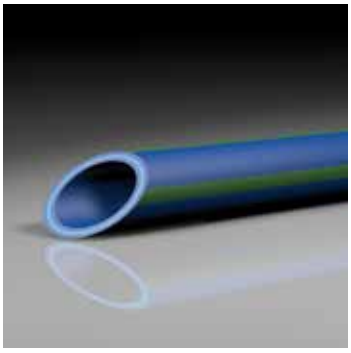


aquatherm blue pipe SDR 7.4 / 11 / 17.6 MF

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:



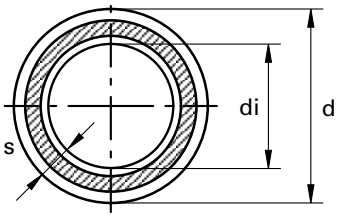


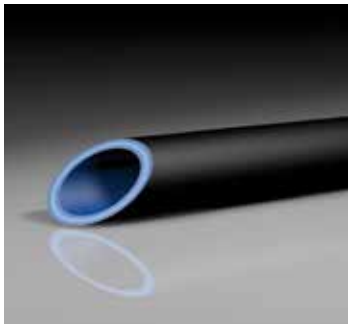
Mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-R.

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
				Socket welding					
7,4	**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 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 160–630 mm straight lengths 5.8 m
Packing Unit: PU in meter
Application:



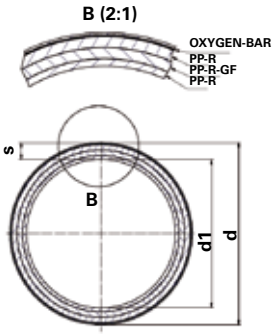


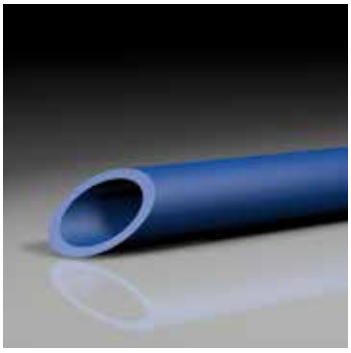
UV-resistant. Mechanically stabilized by a fibre mixture, integrated in the middle layer of fusiolen PP-R.

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
					Socket welding				
7,4	**2070758**	**20**	2,8	14,4	0,163	0,210	15	100	
	2070760	**25**	3,5	18,0	0,254	0,314	20	100	
	2070762	**32**	4,4	23,2	0,423	0,484	20	40	
11	**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	399,0	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	245,947	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:



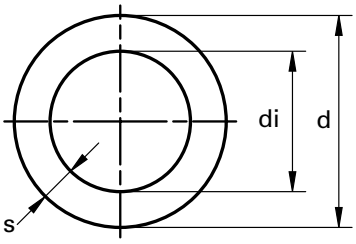


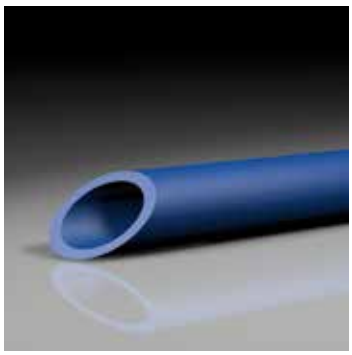
Oxygen tight by diffusion barrier. Mechanically stabilized through a fibre mix integrated in the middle layer of fusiolen® PP-R.

SDR	Art. no.	Dimension d [mm]	Wall thickness s [mm]	Internal diameter d1 [mm]	Water content [l/m]	Weight [kg]	DN	PU [m]	Price € m/pc
				Socket welding					
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	0,838	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	2,533	80	12	
	2170124	**110**	10,0	90,0	6,359	3,752	-	8	
	2170126	**125**	11,4	102,2	8,199	4,857	100	4	
				Butt welding					
	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	

aquatherm lilac pipe

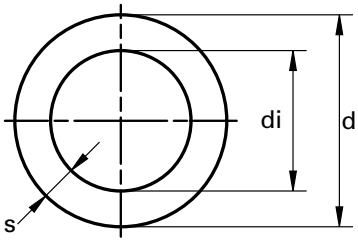
aquatherm lilac pipe was developed exclusively for the field of water recycling. In countries that are highly committed to the environment, like Australia and California, it is already standard to reduce daily water consumption by using recycled water when possible. Now lilac is also regarded in other countries as a standard colour for greywater pipes. For technical, commercial, agricultural or domestic applications, cost-effective process water is often required. In the private sector, water recycling-systems are increasingly used. Thanks to the long-lasting and corrosion-resistant material Polypropylene, the aquatherm lilac pipe is ideally suited for process water (grey/rainwater).

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

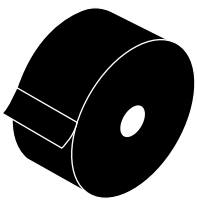


SDR	Art. no.	Dimension d [mm]	Wall thickness s [mm]	Internal diameter di [mm]	Water content [l/m]	Weight [kg]	DN	PU [m]	Price € m/pc
7,4	**9010808**	**20**	2,8	14,4	0,163	0,149	15	100	
	9010810	**25**	3,5	18,0	0,254	0,232	20	100	
11	**9010212**	**32**	2,9	26,2	0,539	0,261	25	40	
	9010214	**40**	3,7	32,6	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	50mm x 10m	1m/Pckg	



AQUATHERM PP-PRIMER

for aquatherm PP pipes

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

AQUATHERM SPECIAL TOP COAT

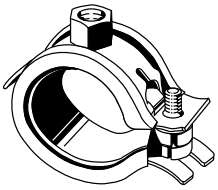
for aquatherm PP-pipes

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

PIPE CLAMPS

suitable for sliding and fixed point installation

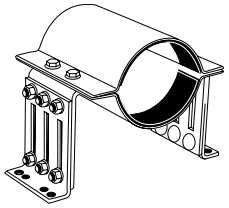
Thread connection: M8 & M10 for 16–125 mm | M10 for 160 mm | M16 for 200–355 mm



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

PIPE CLAMPS

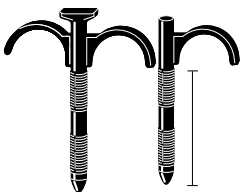
suitable for fixed point installation



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

PIPE FASTENING BOW

suitable for ø 16–32 mm pipes

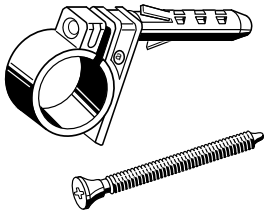


Art. no.	for pipe dimension	PU	Box unit	Price € m/pc
60604	**1-fold - length = 45mm**	50		
60606	**1-fold - length = 75mm**	50		
60608	**2-fold - length = 45mm**	50		
60610	**2-fold - length = 75 mm**	50		

PLASTIC PIPE CLAMPS

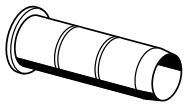
suitable for ø 16–40 mm pipes

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



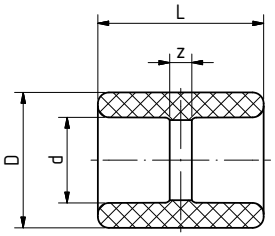
PIPE SUPPORT

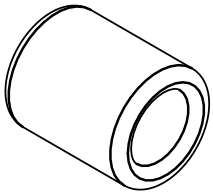
Art. no.	for pipe dimension	PU	Box unit	Price € m/pc
85110	ø 16x2,2mm - ø 11,4mm	10		
10186	ø 16x2,7mm - ø 10,4mm	10		



SOCKET

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

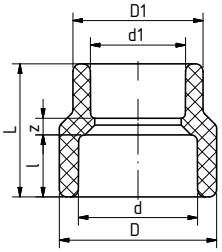


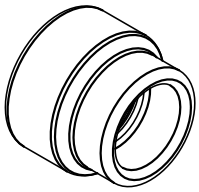


SDR	Art. no.	Dimension d [mm]	l [mm]	z [mm]	D [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11 17.6	**11006**	**16**	30,0	4,0	24,5	0,008	•	10		
	11008	**20**	32,0	3,0	29,5	0,011	• • •	10	1500	
	11010	**25**	35,0	3,0	34,0	0,013	• • •	10	1000	
	11012	**32**	40,5	4,5	43,0	0,026	• • •	5	600	
	11014	**40**	47,5	6,5	52,0	0,044	• • •	5	400	
	11016	**50**	53,0	6,0	68,0	0,084	• • •	5	200	
	11018	**63**	60,5	5,5	84,0	0,139	• • •	1	100	
	11020	**75**	66,5	6,5	100,0	0,226	• • •	1	70	
	11022	**90**	72,5	6,5	120,0	0,343	• • •	1	50	
	11024	**110**	82,0	8,0	147,0	0,581	• • •	1	30	
	11026	**125**	92,0	12,0	167,0	0,845	• • •	1	25	

REDUCING SOCKET FEMALE/FEMALE

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

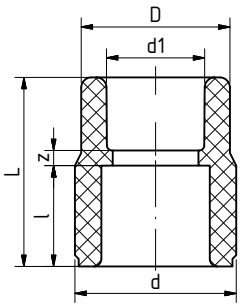


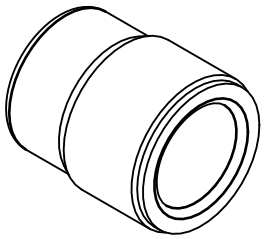


SDR	Art. no.	Dimension d [mm]	Dimension d1 [mm]	L [mm]	l [mm]	z [mm]	D [mm]	D1 [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
	double-sided socket welding												
6 7.4 9 11 17.6	**11222**	**40**	**32**	44,0	20,5	5,5	52,0	43,0	0,035	• • •	1		
	11228	**50**	**32**	53,0	23,5	11,5	68,0	43,0	0,066	• • •	1		
	11230	**50**	**40**	50,5	23,5	6,3	68,0	52,0	0,069	• • •	1		
	11236	**63**	**40**	61,0	27,5	13,0	84,0	52,0	0,115	• • •	1		
	11238	**63**	**50**	56,0	27,5	5,0	84,0	68,0	0,120	• • •	1		
	11240	**75**	**50**	60,0	30,0	6,5	100,0	68,0	0,178	• • •	1		
	11242	**75**	**63**	62,5	30,0	5,0	100,0	84,0	0,185	• • •	1		
	11252	**90**	**63**	74,0	33,0	13,5	120,0	84,0	0,276	• • •	1		
	11253	**90**	**75**	69,0	33,0	6,0	120,0	100,0	0,297	• • •	1		
	11257	**110**	**75**	85,0	37,0	18,0	147,0	100,0	0,516	• • •	1		
	11259	**110**	**90**	77,3	37,0	7,3	147,0	120,0	0,520	• • •	1		
	11263	**125**	**90**	91,0	40,0	18,0	167,0	120,0	0,749	• • •	1		
	11265	**125**	**110**	87,0	40,0	10,0	167,0	147,0	0,726	• • •	1		

REDUCING SOCKET, SOCKET WELDING

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

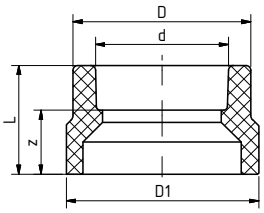


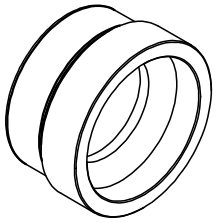


SDR	Art. no.	Dimension d [mm]	Dimension d1 [mm]	l [mm]	L [mm]	z [mm]	D [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
						double-sided socket welding						
	11109	**20**	**16**	14,5	39,0	11,5	24,5	0,009	•	10	2000	
	11110	**25**	**16**	16,0	38,0	9,0	26,0	0,012	•	10	2000	
	11112	**25**	**20**	16,0	38,5	8,0	29,5	0,012	• • •	10	1500	
	11114	**32**	**20**	18,0	37,5	5,0	29,5	0,015	• • •	5	1000	
	11116	**32**	**25**	18,0	38,0	4,0	34,0	0,016	• • •	5	1000	
	11118	**40**	**20**	20,5	45,0	10,0	29,5	0,025	• • •	5	750	
	11120	**40**	**25**	20,5	50,0	13,5	34,0	0,028	• • •	5	600	
	11122	**40**	**32**	20,5	50,0	11,5	43,0	0,032	• • •	5	500	
	11124	**50**	**20**	23,5	55,0	17,0	29,5	0,045	• • •	5	500	
	11126	**50**	**25**	23,5	55,0	15,5	34,0	0,044	• • •	5	500	
	11128	**50**	**32**	23,5	54,0	12,5	43,0	0,048	• • •	5	350	
	11130	**50**	**40**	23,5	53,0	9,0	52,0	0,053	• • •	5	300	
	11131	**63**	**20**	27,5	65,0	23,0	29,5	0,073	• • •	1	200	
	11132	**63**	**25**	27,5	65,0	21,5	34,0	0,071	• • •	1	200	
6 7,4 9 11 17,6	**11134**	**63**	**32**	27,5	62,0	16,5	43,0	0,080	• • •	1	200	
	11136	**63**	**40**	27,5	64,5	16,5	52,0	0,089	• • •	1	200	
	11138	**63**	**50**	27,5	63,5	12,5	68,0	0,107	• • •	1	150	
	11139	**75**	**40**	30,0	69,5	19,0	52,0	0,131	• • •	1		
	11140	**75**	**50**	30,0	63,0	9,5	68,0	0,141	• • •	1		
	11142	**75**	**63**	30,0	71,0	13,5	84,0	0,170	• • •	1		
	11143	**75**	**20**	30,0	65,5	21,0	34,5	0,113	• • •	1		
	11144	**75**	**25**	30,0	65,5	19,5	34,5	0,111	• • •	1		
	11145	**75**	**32**	30,0	69,5	21,5	52,0	0,140	• • •	1		
	11151	**90**	**50**	33,0	75,0	18,5	68,0	0,193	• • •	1		
	11152	**90**	**63**	33,0	78,0	17,5	84,0	0,224	• • •	1		
	11153	**90**	**75**	33,0	81,5	18,5	100,0	0,273	• • •	1		
	11155	**110**	**63**	37,0	86,0	21,5	84,0	0,356	• • •	1		
	11157	**110**	**75**	37,0	89,0	22,0	100,0	0,383	• • •	1		
	11159	**110**	**90**	37,0	99,0	29,0	120,0	0,500	• • •	1		
	11161	**125**	**75**	40,0	101,0	31,0	100,0	0,518	• • •	1		
	11163	**125**	**90**	40,0	99,0	26,0	120,0	0,588	• • •	1		
	11165	**125**	**110**	40,0	112,0	35,0	147,0	0,832	• • •	1		

REDUCING SOCKET, SOCKET & BUTT WELDING

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

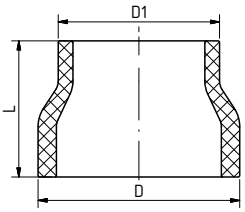


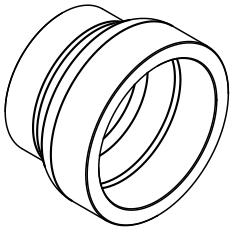


SDR	Art. no.	D1 [mm]	Dimension d [mm]	L [mm]	z [mm]	D [mm]	Weight [kg]	System		PU	Box unit	Price € m/pc
					onesided socket welding, other side butt welding							
	11174	**160**	**110**	90,0	53,0	147,0	0,730	•		1		
7,4	**11176**	**160**	**125**	90,0	50,0	167,0	0,837	•		1		
	11182	**200**	**125**	135,0	95,0	167,0	1,644	•		1		
	311174	**160**	**110**	90,0	53,0	147,0	0,730	•		1		
9	**311176**	**160**	**125**	90,0	50,0	167,0	0,868	•		1		
	311182	**200**	**125**	135,0	95,0	167,0	1,599	•		1		
	11175	**160**	**110**	90,0	53,0	147,0	0,655	•	•	1		
11	**11177**	**160**	**125**	90,0	50,0	167,0	0,636	•	•	1		
	11183	**200**	**125**	135,0	95,0	167,0	1,341	•	•	1		
	2511174	**160**	**110**	90,0	53,0	147,0	0,618		•	1		
17,6	**2511176**	**160**	**125**	90,0	50,0	167,0	0,628		•	1		
	2511182	**200**	**125**	135,0	95,0	167,0	1,055		•	1		

REDUCING SOCKET, BUTT WELDING

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

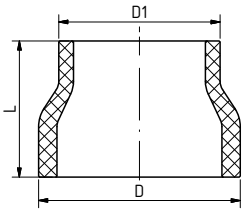


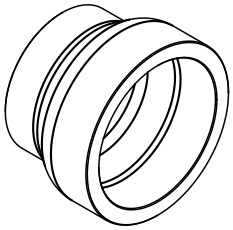


SDR	Art. no.	D [mm]	D1 [mm]	L [mm]	Weight [kg]	System		PU	Box unit	Price € m/pc
				double-sided butt welding						
	11184	**200**	**160**	135,0	1,638	•		1		
7,4	**11188**	**250**	**160**	172,5	2,881	•		1		
	11190	**250**	**200**	172,5	3,250	•		1		
	311184	**200**	**160**	135,0	1,588	•		1		
	311188	**250**	**160**	172,5	2,900	•		1		
	311190	**250**	**200**	172,5	3,206	•		1		
9	**311192**	**315**	**200**	225,0	6,350	•		1		
	311194	**315**	**250**	225,0	7,050	•		1		
	311196	**355**	**250**	170,0	5,640	•		1		
	311198	**355**	**315**	160,0	4,940	•		1		
	11185	**200**	**160**	135,0	1,206	•	•	1		
	11189	**250**	**160**	172,5	2,313	•	•	1		
	11191	**250**	**200**	172,5	2,389	•	•	1		
	11193	**315**	**200**	225,0	4,389	•	•	1		
	11195	**315**	**250**	225,0	4,786	•	•	1		
	11197	**355**	**250**	170,0	4,431	•	•	1		
11	**11199**	**355**	**315**	160,0	4,532	•	•	1		
	11201	**400**	**250**	152,0	7,475	•	•	1		
	11203	**400**	**315**	122,0	6,095	•	•	1		
	11204	**400**	**355**	110,0	5,520	•	•	1		
	11206	**450**	**315**	142,0	9,200	•	•	1		
	11207	**450**	**355**	132,0	7,590	•	•	1		
	11208	**450**	**400**	122,0	7,590	•	•	1		

REDUCING SOCKET, BUTT WELDING

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

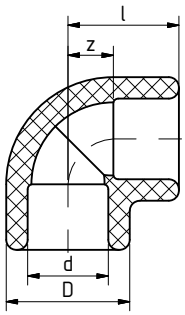


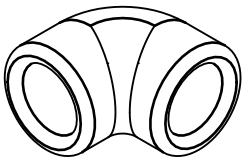


SDR	Art. no.	D [mm]	D1 [mm]	L [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
				double-sided butt welding					
17,6	**2511184**	**200**	**160**	135,0	1,012	•	1		
	2511188	**250**	**160**	172,5	1,500	•	1		
	2511190	**250**	**200**	172,5	1,338	•	1		
	2511193	**315**	**200**	225,0	4,141	•	1		
	2511195	**315**	**250**	225,0	3,420	•	1		
	2511197	**355**	**250**	245,0	3,099	•	1		
	2511199	**355**	**315**	160,0	3,108	•	1		
	2511201	**400**	**250**	152,0	4,482	•	1		
	2511203	**400**	**315**	122,0	3,366	•	1		
	2511204	**400**	**355**	112,0	3,049	•	1		
	2511206	**450**	**315**	142,0	4,891	•	1		
	2511207	**450**	**355**	132,0	4,688	•	1		
	2511208	**450**	**400**	122,0	4,287	•	1		
	2511209	**500**	**315**	172,0	8,100	•	1		
	2511210	**500**	**355**	152,0	6,500	•	1		
	2511211	**500**	**400**	142,0	6,700	•	1		
	2511212	**500**	**450**	122,0	5,500	•	1		
	2511213	**560**	**400**	162,0	9,000	•	1		
	2511214	**560**	**450**	142,0	8,600	•	1		
	2511215	**560**	**500**	132,0	7,600	•	1		
	2511216	**630**	**400**	192,0	15,100	•	1		
	2511217	**630**	**450**	172,0	13,700	•	1		
	2511218	**630**	**500**	152,0	11,000	•	1		
	2511219	**630**	**560**	132,0	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 [mm]	l [mm]	D [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
					socket welding					
6 7,4 9 11 17,6	**12106**	**16**	9,0	22,0	24,5	0,010	•	10	2000	
	12108	**20**	11,0	25,5	27,0	0,013	• • •	10	1400	
	12110	**25**	13,5	29,5	34,0	0,023	• • •	10	800	
	12112	**32**	17,0	35,0	43,0	0,043	• • •	5	400	
	12114	**40**	21,0	41,5	52,0	0,077	• • •	5	250	
	12116	**50**	26,0	49,5	68,0	0,162	• • •	5	125	
	12118	**63**	32,5	60,0	84,0	0,293	• • •	1	75	
	12120	**75**	38,5	68,5	100,0	0,445	• • •	1	40	
	12122	**90**	46,0	79,0	120,0	0,729	• • •	1	25	
	12124	**110**	56,0	93,0	147,0	1,292	• • •	1		
	12126	**125**	76,5	116,5	167,0	2,004	• • •	1		

ELBOW 90° BUTT WELDING

Systems: aquatherm green pipe, aquatherm blue pipe

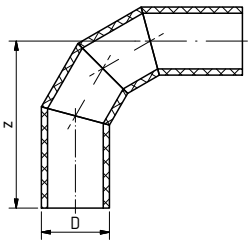
Material: Fusiolen® PP-R & PP-RP

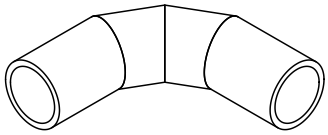
Standard: DIN 16962, DIN EN ISO 15874

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.

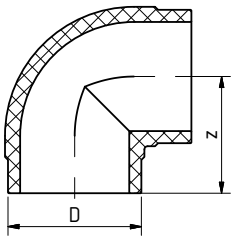
All fittings, which are converted to the injection molding production, are still available on inquiry as special fittings made of pipe segments. No article numbers are defined for special fittings of any type.

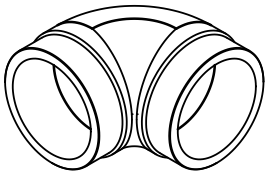
Please note! Electrofusion sockets can not be processed directly with injection molded fittings. When using electrofusion sockets either segment welded special fittings must be used or pipe pieces must be welded to the injection molded fittings.





Fitting made of pipe segments





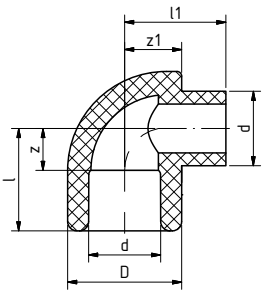
Injection molded fitting
Colour: green

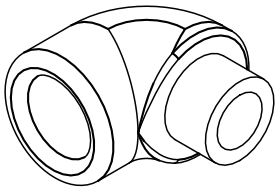
SDR	Art. no.	D [mm]	z [mm]	Weight [kg]	System		pipe segments	NEW injection molded* (green)	PU	Box unit	Price € m/pc
					butt welding						
7,4	**12130**	**160**	145,0	2,561	•			•	1		
	12134	**200**	450,0	11,685	•		•		1		
	12138	**250**	625,0	26,000	•		•		1		
9	**312130**	**160**	145,0	2,371	•			•	1		
	312134	**200**	175,0	4,311	•			•	1		
	312138	**250**	220,0	8,400	•			•	1		
	312142	**315**	773,0	42,300	•		•		1		
	312144	**355**	833,0	57,628	•		•		1		
11	**12131**	**160**	145,0	2,145	•	•		•	1		
	12135	**200**	175,0	4,056	•	•		•	1		
	12139	**250**	220,0	7,325	•	•		•	1		
	12143	**315**	773,0	37,850	•		•		1		
	12145	**355**	833,0	49,000	•		•		1		
	12147	**400**	900,0	62,800	•		•		1		
	12149	**450**	975,0	89,500	•		•		1		
[1] mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-R											
11	**2012143**	**315**	773,0	37,300		•	•		1		
	2012145	**355**	833,0	57,074		•	•		1		
	2012147	**400**	900,0	74,500		•	•		1		
	2012149	**450**	975,0	89,080		•	•		1		
17,6	**2512130**	**160**	145,0	1,642		•		•	1		
	2512134	**200**	175,0	3,244		•		•	1		
	2512138	**250**	220,0	5,500		•		•	1		
	2512142	**315**	773,0	24,000		•	•		1		
	2512144	**355**	833,0	32,000		•	•		1		
	2512146	**400**	900,0	42,549		•	•		1		
	2512148	**450**	975,0	62,200		•	•		1		
	2512150	**500**	1100,0	91,000		•	•		1		
	2512152	**560**	1190,0	108,779		•	•		1		
	2512154	**630**	1295,0	164,600		•	•		1		

* 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

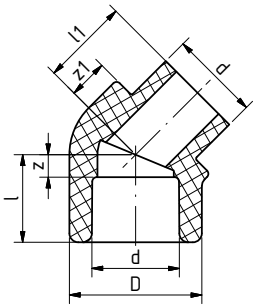


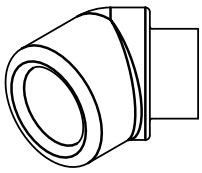


SDR	Art. no.	Dimension d [mm]	z [mm]	l [mm]	D [mm]	l1 [mm]	z1 [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
					socket welding							
6 7.4 9 11	**12306**	**16**	9,0	22,0	24,5	21,8	12,3	0,010	•	10	2000	
	12308	**20**	11,0	25,5	29,5	25,5	14,8	0,017	• • •	10	1200	
	12310	**25**	13,5	29,5	34,0	29,5	17,0	0,023	• • •	10	800	
	12312	**32**	17,0	35,0	43,0	39,0	21,5	0,048	• • •	5	400	
	12314	**40**	21,0	41,5	52,0	45,5	26,0	0,080	• • •	5	300	

ELBOW 45° FEMALE/MALE

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

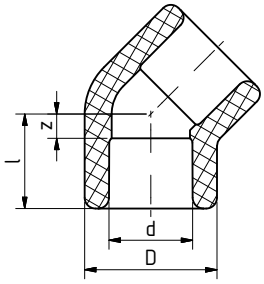


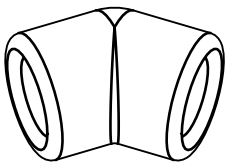


SDR	Art. no.	Dimension d [mm]	z [mm]	l [mm]	D [mm]	l1 [mm]	z1 [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
					socket welding							
6 7.4 9 11	**12708**	**20**	5,0	19,5	29,5	19,5	9,0	0,013	• • •	10	1500	
	12710	**25**	6,0	22,0	34,0	22,0	8,5	0,017	• • •	10	1000	
	12712	**32**	7,5	25,5	43,0	29,0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

ELBOW 45° SOCKET WELDING

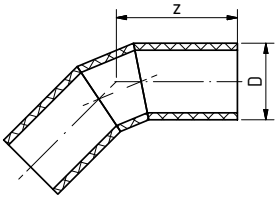
Systems: aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe
Material: Fusiolen® PP-R
Standard: DIN 16962, DIN EN ISO 15874
Colour: green

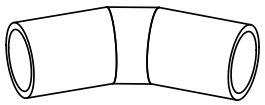




SDR	Art. no.	Dimension d [mm]	z [mm]	l [mm]	D [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
					socket welding					
6 7.4 9 11 17.6	**12506**	**16**	4,5	17,5	24,5	0,009	•	10	2000	
	12508	**20**	5,0	19,5	29,5	0,014	• • •	10	1500	
	12510	**25**	6,0	22,0	34,0	0,018	• • •	10	1000	
	12512	**32**	7,5	25,5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

ELBOW 45° BUTT WELDING



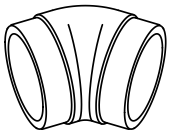


Fitting made of pipe segments

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.



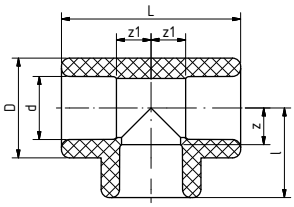
Injection molded fitting
Colour: green

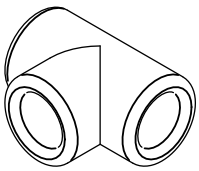
SDR	Art. no.	D [mm]	z [mm]	Weight [kg]	System		pipe segments	injection molded*	PU	Box unit	Price € m/pc
				butt welding							
7,4	**12530**	**160**	95,0	1,903	•			•	1		
	12534	**200**	274,0	8,175	•		•		1		
	12538	**250**	412,0	20,500	•		•		1		
9	**312530**	**160**	95,0	4,230	•			•	1		
	312534	**200**	274,0	6,745	•		•		1		
	312538	**250**	412,0	15,928	•		•		1		
	312542	**315**	498,0	30,567	•		•		1		
	312544	**355**	520,0	40,771	•		•		1		
11	**12531**	**160**	95,0	1,393	•	•		•	1		
	12535	**200**	274,0	5,735	•		•		1		
	12539	**250**	412,0	13,000	•		•		1		
	12543	**315**	498,0	27,300	•		•		1		
	12545	**355**	520,0	26,650	•		•		1		
	12547[1)]	**400**	548,0	44,900	•		•		1		
	12549[1)]	**450**	580,0	60,500	•		•		1		
[1)] mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-R											
11	**2012535**	**200**	274,0	6,285		•	•		1		
	2012539	**250**	412,0	14,181		•	•		1		
	2012543	**315**	498,0	27,100		•	•		1		
	2012545	**355**	520,0	38,158		•	•		1		
	2012547	**400**	548,0	44,712		•	•		1		
	2012549	**450**	580,0	60,260		•	•		1		
17,6	**2512530**	**160**	95,0	1,080		•		•	1		
	2512534	**200**	274,0	3,672		•	•		1		
	2512538	**250**	412,0	9,400		•	•		1		
	2512542	**315**	498,0	18,000		•	•		1		
	2512544	**355**	520,0	22,058		•	•		1		
	2512546	**400**	548,0	30,800		•	•		1		
	2512548	**450**	580,0	39,123		•	•		1		
	2512550	**500**	665,0	55,112		•	•		1		
	2512552	**560**	698,0	72,519		•	•		1		
	2512554	**630**	741,0	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
Form: injection moulded fittings





SDR	Art. no.	Dimension d [mm]	z [mm]	z1 [mm]	l [mm]	L [mm]	D [mm]	Weight [kg]	System			PU	Box unit	Price € m/pc
								socket welding						
	13106	**16**	9,0	9,0	22,0	44,0	24,5	0,015	•			10	1500	
	13108	**20**	11,0	11,0	25,5	51,0	27,0	0,017	•	•	•	10	1000	
	13110	**25**	14,5	15,0	30,5	62,0	34,0	0,033	•	•	•	10	500	
6	**13112**	**32**	15,5	17,0	33,5	70,0	43,0	0,054	•	•	•	5	300	
7,4	**13114**	**40**	20,0	20,0	40,5	81,0	52,0	0,099	•	•	•	5	200	
9	**13116**	**50**	26,0	26,0	49,5	99,0	68,0	0,177	•	•	•	5	100	
11	**13118**	**63**	32,5	32,5	60,0	120,0	84,0	0,368	•	•	•	1	50	
17,6	**13120**	**75**	38,5	38,5	68,5	137,0	100,0	0,541	•	•	•	1	30	
	13122	**90**	47,0	46,0	80,0	158,0	120,0	0,920	•	•	•	1	25	
	13124	**110**	56,0	56,0	93,0	186,0	147,0	1,598	•	•	•	1	14	
	13126	**125**	76,5	76,5	116,5	233,0	167,0	2,673	•	•	•	1		

T-PIECE BUTT WELDING

Systems: aquatherm green pipe, aquatherm blue pipe

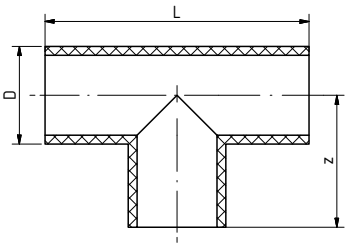
Material: Fusiolen® PP-R & PP-RP

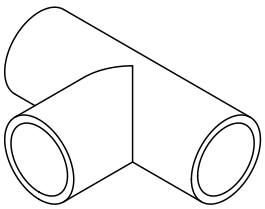
Standard: DIN 16962, DIN EN ISO 15874

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.

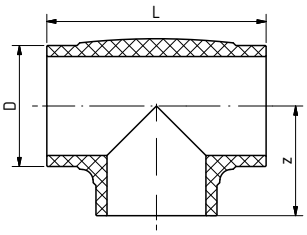
All fittings, which are converted to the injection molding production, are still available on inquiry as special fittings made of pipe segments. No article numbers are defined for special fittings of any type.

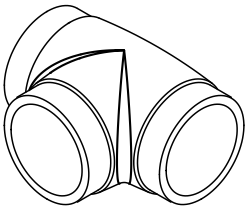
Please note! Electrofusion sockets can not be processed directly with injection molded fittings. When using electrofusion sockets either segment welded special fittings must be used or pipe pieces must be welded to the injection molded fittings.





Fitting made of pipe segments





Injection molded fitting
Colour: green

SDR	Art. no.	D [mm]	L [mm]	z [mm]	Weight [kg]	System		pipe segments	NEW injection molded* (green)	PU	Box unit	Price € m/pc
					butt welding							
7,4	**13130**	**160**	290,0	145,0	3,600	•			•	1		
	13134	**200**	500,0	250,0	9,825	•		•		1		
	13138	**250**	750,0	375,0	24,000	•		•		1		
9	**313130**	**160**	290,0	145,0	3,290	•			•	1		
	313134	**200**	500,0	250,0	9,367	•		•		1		
	313138	**250**	750,0	375,0	21,949	•		•		1		
	313142	**315**	920,0	460,0	42,609	•		•		1		
	313144	**355**	960,0	480,0	56,452	•		•		1		
11	**13131**	**160**	290,0	145,0	3,005	•	•		•	1		
	13135	**200**	500,0	250,0	6,865	•		•		1		
	13139	**250**	750,0	375,0	16,000	•		•		1		
	13143	**315**	920,0	460,0	20,450	•		•		1		
	13145	**355**	960,0	480,0	45,072	•		•		1		
	13147[1)]	**400**	1000,0	500,0	63,100	•		•		1		
	13149[1)]	**450**	1050,0	525,0	83,300	•		•		1		
[1)] *mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-R*												
11	**2013135**	**200**	500,0	250,0	8,171		•	•		1		
	2013139	**250**	750,0	375,0	18,827		•	•		1		
	2013143	**315**	920,0	460,0	36,674		•	•		1		
	2013145	**355**	960,0	480,0	40,000		•	•		1		
	2013147	**400**	1000,0	500,0	62,100		•	•		1		
	2013149	**450**	1050,0	525,0	82,792		•	•		1		
17,6	**2513130**	**160**	290,0	145,0	2,348		•		•	1		
	2513134	**200**	500,0	250,0	4,660		•	•		1		
	2513138	**250**	750,0	375,0	11,500		•	•		1		
	2513142	**315**	920,0	460,0	19,800		•	•		1		
	2513144	**355**	960,0	480,0	27,500		•	•		1		
	2513146	**400**	1000,0	500,0	40,395		•	•		1		
	2513148	**450**	1050,0	525,0	45,400		•	•		1		
	2513150	**500**	1200,0	600,0	75,726		•	•		1		
	2513152	**560**	1260,0	630,0	99,320		•	•		1		
	2513154	**630**	1330,0	665,0	122,500		•	•		1		

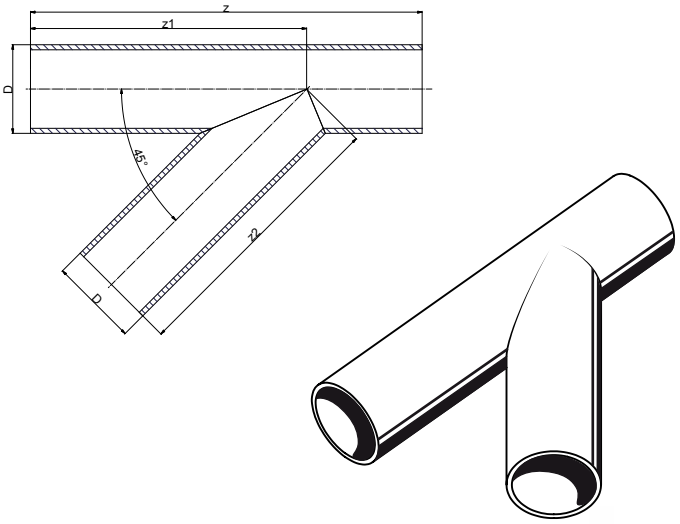
* status quo at the time of printing, further injection molded parts follow

aquatherm blue pipe Y-PIECES

Special fittings on demand

ATTENTION – PLEASE NOTE!

These branches are for special applications in the **unpressurized** areas, e.g. in vacuum dewatering in the ship building. **In no case** they may be exposed to the pressures, given in the working pressure tables on page 177–179.

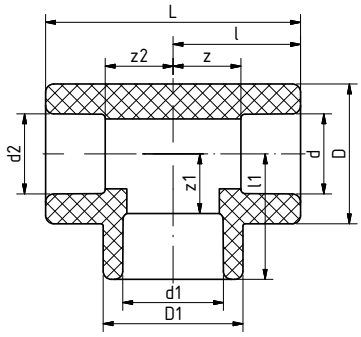


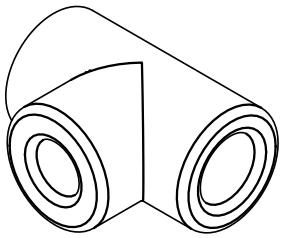
Systems: aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe
Material: Fusiolen® PP-R
Standard: DIN16962-2
Color: blue/green

SDR	Art. no.	Dimension D [mm]	z [mm]	z1 [mm]	z2 [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
					Socket welding					
	2013018	**63**	560,0	380,0	380,0	0,001	• • •	1		
	2013020	**75**	570,0	405,0	405,0	1,210	• • •	1		
	2013022	**90**	577,0	412,0	412,0	1,750	• • •	1		
	2013024	**110**	610,0	435,0	435,0	2,730	• • •	1		
11	**2013026**	**125**	665,0	475,0	475,0	3,840	• • •	1		
					Butt welding					
	2013031	**160**	782,0	551,0	551,0	7,300	• •	1		
	2013035	**200**	925,0	650,0	650,0	13,360	• •	1		
	2013039	**250**	1105,0	780,0	780,0	24,780	• •	1		
					Socket welding					
	2513026	**125**	665,0	475,0	475,0	2,470	• •	1		
					Butt welding					
17.6	**2513030**	**160**	782,0	551,0	551,0	4,700	• •	1		
	2513034	**200**	925,0	650,0	650,0	8,640	• •	1		
	2513038	**250**	1105,0	780,0	780,0	16,010	• •	1		

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
Form: injection moulded fittings

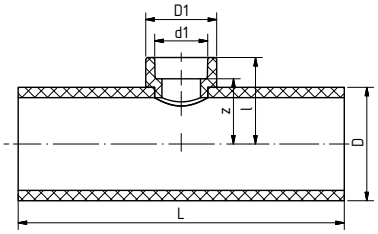


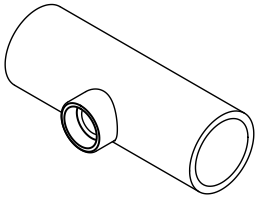


SDR	Art. no.	d [mm]	d1 [mm]	d2 [mm]	L [mm]	l [mm]	l1 [mm]	z [mm]	z1 [mm]	z2 [mm]	D [mm]	D1 [mm]	Weight [kg]	System			PU	Box unit	Price € m/pc
								socket welding											
	13506	**20**	**16**	**16**	51,0	25,5	25,3	11,0	12,3	12,5	29,5	29,5	0,025	•			10		
	13508	**20**	**16**	**20**	51,0	25,5	25,3	11,0	12,3	11,0	29,5	29,5	0,024	•			10		
	13510	**20**	**20**	**16**	51,0	25,5	25,3	11,0	10,8	12,5	29,5	29,5	0,023	•			10		
	13511	**20**	**25**	**20**	62,0	31,0	30,5	16,5	14,5	16,5	34,0	34,0	0,040	•	•	•	10		
	13512	**25**	**16**	**16**	62,0	31,0	30,5	15,0	17,5	18,0	34,0	34,0	0,043	•			10		
	13514	**25**	**16**	**20**	62,0	31,0	30,5	15,0	17,5	16,5	34,0	34,0	0,041	•			10		
	13516	**25**	**16**	**25**	62,0	31,0	30,5	15,0	17,5	15,0	34,0	34,0	0,038	•			10		
	13520	**25**	**20**	**20**	62,0	31,0	30,5	15,0	16,0	16,5	34,0	34,0	0,039	•	•	•	10	500	
	13522	**25**	**20**	**25**	62,0	31,0	30,5	15,0	16,0	15,0	34,0	34,0	0,036	•	•	•	10	500	
	13528	**32**	**16**	**32**	70,0	35,0	31,0	17,0	18,0	17,0	43,0	29,5	0,053	•	•	•	5	300	
	13532	**32**	**20**	**20**	73,5	36,8	37,0	18,8	22,5	22,3	43,0	43,0	0,076	•	•	•	5	300	
	13534	**32**	**20**	**32**	70,0	35,0	31,0	17,0	16,5	17,0	43,0	29,5	0,053	•	•	•	5	300	
	13538	**32**	**25**	**25**	70,0	35,0	34,5	17,0	18,5	19,0	43,0	43,0	0,069	•	•	•	5		
	13540	**32**	**25**	**32**	70,0	35,0	32,0	17,0	16,0	17,0	43,0	34,0	0,050	•	•	•	5	300	
	13542	**40**	**20**	**40**	83,0	41,5	36,0	21,0	21,5	21,0	52,0	34,0	0,091	•	•	•	5	200	
	13544	**40**	**25**	**40**	83,0	41,5	36,0	21,0	20,0	21,0	52,0	34,0	0,089	•	•	•	5	200	
	13546	**40**	**32**	**40**	84,0	42,0	40,5	21,5	22,5	21,5	52,0	52,0	0,092	•	•	•	5	200	
	13547	**50**	**20**	**50**	99,0	49,5	40,5	26,0	26,0	26,0	68,0	29,5	0,162	•	•	•	5	100	
	13548	**50**	**25**	**50**	99,0	49,5	44,5	26,0	28,5	26,0	68,0	34,0	0,157	•	•	•	5	100	
	13550	**50**	**32**	**50**	99,0	49,5	44,5	26,0	26,5	26,0	68,0	43,0	0,160	•	•	•	5	100	
6	**13551**	**50**	**40**	**50**	99,0	49,5	49,5	26,0	29,0	26,0	68,0	68,0	0,161	•	•	•	5	100	
7,4	**13552**	**63**	**20**	**63**	120,0	60,0	48,5	32,5	34,0	32,5	84,0	34,0	0,335	•	•	•	1	50	
9	**13554**	**63**	**25**	**63**	120,0	60,0	48,5	32,5	32,5	32,5	84,0	34,0	0,331	•	•	•	1	50	
11	**13556**	**63**	**32**	**63**	120,0	60,0	53,5	32,5	35,5	32,5	84,0	52,0	0,340	•	•	•	1	50	
17,6	**13558**	**63**	**40**	**63**	120,0	60,0	53,5	32,5	33,0	32,5	84,0	52,0	0,332	•	•	•	1	50	
	13560	**63**	**50**	**63**	120,0	60,0	60,0	32,5	36,5	32,5	84,0	68,0	0,398	•	•	•	1		
	13561	**75**	**20**	**75**	137,0	68,5	54,5	38,5	40,0	38,5	100,0	34,0	0,501	•	•	•	1		
	13562	**75**	**25**	**75**	137,0	68,5	54,5	38,5	38,5	38,5	100,0	34,0	0,497	•	•	•	1		
	13564	**75**	**32**	**75**	137,0	68,5	59,0	38,5	41,0	38,5	100,0	52,0	0,505	•	•	•	1		
	13566	**75**	**40**	**75**	137,0	68,5	59,0	38,5	38,5	38,5	100,0	52,0	0,497	•	•	•	1		
	13568	**75**	**50**	**75**	137,0	68,5	66,0	38,5	42,5	38,5	100,0	84,0	0,550	•	•	•	1		
	13570	**75**	**63**	**75**	137,0	68,5	66,0	38,5	38,5	38,5	100,0	84,0	0,515	•	•	•	1		
	13576	**90**	**32**	**90**	158,0	79,0	65,0	46,0	47,0	46,0	120,0	52,0	0,880	•	•	•	1		
	13578	**90**	**40**	**90**	158,0	79,0	65,0	46,0	44,5	46,0	120,0	52,0	0,862	•	•	•	1		
	13580	**90**	**50**	**90**	158,0	79,0	75,0	46,0	51,5	46,0	120,0	84,0	0,905	•	•	•	1		
	13582	**90**	**63**	**90**	158,0	79,0	75,0	46,0	47,5	46,0	120,0	84,0	0,876	•	•	•	1		
	13584	**90**	**75**	**90**	158,0	79,0	81,0	46,0	51,0	46,0	120,0	120,0	0,991	•	•	•	1		
	13586	**110**	**63**	**110**	186,0	93,0	87,5	56,0	60,0	56,0	147,0	100,0	1,562	•	•	•	1		
	13588	**110**	**75**	**110**	186,0	93,0	87,5	56,0	57,5	56,0	147,0	100,0	1,511	•	•	•	1		
	13590	**110**	**90**	**110**	186,0	93,0	89,0	56,0	56,0	56,0	147,0	120,0	1,548	•	•	•	1		
	13592	**125**	**75**	**125**	233,0	116,5	106,5	76,5	76,5	76,5	167,0	100,0	2,427	•	•	•	1		
	13594	**125**	**90**	**125**	233,0	116,5	109,5	76,5	76,5	76,5	167,0	120,0	2,509	•	•	•	1		
	13596	**125**	**110**	**125**	233,0	116,5	113,5	76,5	76,5	76,5	167,0	147,0	2,563	•	•	•	1		

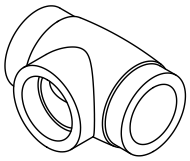
RED.-T-PIECE, SOCKET- & BUTT WELDING

Systems: aquatherm green pipe, aquatherm blue pipe
Standard: DIN 16962, DIN EN ISO 15874
Colour: green
Form: *see table*





Fitting made of pipe segments



Injection molded fitting

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

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

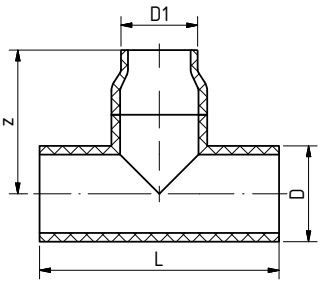
Please note! Electrofusion sockets can not be processed directly with injection molded fittings. When using electrofusion sockets either segment welded special fittings must be used or pipe pieces must be welded to the injection molded fittings.

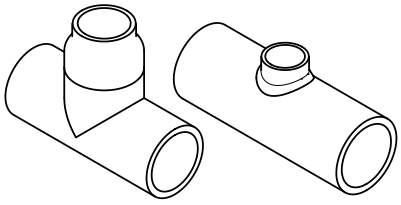
SDR	Art. no.	D [mm]	d1 [mm]	D1 [mm]	L [mm]	l [mm]	z [mm]	Weight [kg]	System		pipe segments	injection molded*	PU	Box unit	Price € m/pc
							branch: socket welding								
	13600	**160**	**75**	100,0	460,0	122,0	92,0	4,414	•		•		1		
	13602	**160**	**90**	120,0	460,0	125,0	92,0	4,515	•		•		1		
	13606	**160**	**125**	167,0	290,0	120,0	80,0	3,441	•			•	1		
	13608	**200**	**75**	100,0	500,0	142,0	112,0	7,110	•		•		1		
	13610	**200**	**90**	120,0	500,0	145,0	112,0	7,540	•		•		1		
7,4	**13612**	**200**	**110**	147,0	500,0	149,0	112,0	7,325	•		•		1		
	13614	**200**	**125**	167,0	500,0	155,0	115,0	7,645	•		•		1		
	13624	**250**	**75**	100,0	750,0	167,0	137,0	16,600	•		•		1		
	13626	**250**	**90**	120,0	750,0	170,0	137,0	16,800	•		•		1		
	13628	**250**	**110**	147,0	750,0	174,0	137,0	16,800	•		•		1		
	13630	**250**	**125**	167,0	750,0	180,0	140,0	17,000	•		•		1		
	313600	**160**	**75**	100,0	460,0	122,0	92,0	3,903	•		•		1		
	313602	**160**	**90**	120,0	460,0	125,0	92,0	4,039	•		•		1		
	313608	**200**	**75**	100,0	500,0	142,0	112,0	6,476	•		•		1		
	313610	**200**	**90**	120,0	500,0	145,0	112,0	6,581	•		•		1		
	313612	**200**	**110**	147,0	500,0	149,0	112,0	6,863	•		•		1		
	313614	**200**	**125**	167,0	500,0	155,0	115,0	7,114	•		•		1		
9	**313624**	**250**	**75**	100,0	750,0	167,0	137,0	14,802	•		•		1		
	313626	**250**	**90**	120,0	750,0	170,0	137,0	14,932	•		•		1		
	313628	**250**	**110**	147,0	750,0	174,0	137,0	15,178	•		•		1		
	313630	**250**	**125**	167,0	750,0	180,0	140,0	15,398	•		•		1		
	313904	**315**	**125**	167,0	920,0	212,5	172,5	29,196	•		•		1		
	313916	**355**	**125**	167,0	960,0	232,5	192,5	38,466	•		•		1		
	13601	**160**	**75**	100,0	460,0	122,0	92,0	3,140	•	•	•		1		
	13603	**160**	**90**	120,0	460,0	125,0	92,0	3,176	•	•	•		1		
	13607	**160**	**125**	167,0	290,0	120,0	80,0	2,842	•	•		•	1		
	13609	**200**	**75**	100,0	500,0	142,0	112,0	5,284	•		•		1		
	13611	**200**	**90**	120,0	500,0	145,0	112,0	5,168	•		•		1		
	13613	**200**	**110**	147,0	500,0	149,0	112,0	5,648	•		•		1		
	13615	**200**	**125**	167,0	500,0	155,0	115,0	5,786	•		•		1		
11	**13625**	**250**	**75**	100,0	750,0	167,0	137,0	12,000	•		•		1		
	13627	**250**	**90**	120,0	750,0	170,0	137,0	12,000	•		•		1		
	13629	**250**	**110**	147,0	750,0	174,0	137,0	13,000	•		•		1		
	13631	**250**	**125**	167,0	750,0	180,0	140,0	12,000	•		•		1		
	13651	**315**	**125**	167,0	920,0	213,0	173,0	25,150	•		•		1		
	13663	**355**	**125**	167,0	960,0	233,0	193,0	30,851	•		•		1		
	13676	**400**	**125**	167,0	1000,0	255,0	215,0	42,169	•		•		1		
	13690	**450**	**125**	167,0	1050,0	280,0	240,0	55,794	•		•		1		

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

RED.-T-PIECE, BUTT WELDING

Systems: aquatherm green pipe
Standard: DIN 16962, DIN EN ISO 15874
Branch: butt welding
Form: *see table*

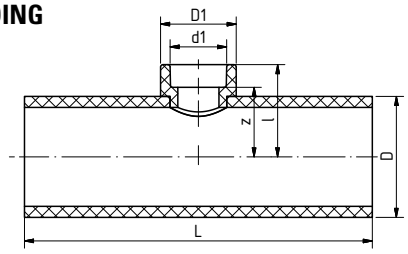


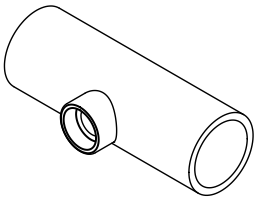


SDR	Art. no.	D [mm]	D1 [mm]	L [mm]	z [mm]	Weight [kg]	System	Pipe with reducer	Pipe with weld-in saddle	PU	Box unit	Price € m/pc
branch: butt welding												
	13618	**200**	**160**	500,0	300,0	10,891	•	•		1		
7,4	**13634**	**250**	**160**	750,0	375,0	28,000	•	•		1		
	13640	**250**	**200**	750,0	375,0	27,000	•	•		1		
	313618	**200**	**160**	500,0	300,0	9,332	•	•		1		
	313634	**250**	**160**	750,0	375,0	21,547	•	•		1		
	313640	**250**	**200**	750,0	376,0	21,853	•	•		1		
	313906	**315**	**160**	920,0	238,0	29,237	•		•	1		
	313908	**315**	**200**	920,0	460,0	42,166	•	•		1		
9	**313910**	**315**	**250**	920,0	460,0	42,557	•	•		1		
	313918	**355**	**160**	960,0	258,0	38,479	•		•	1		
	313920	**355**	**200**	960,0	268,0	39,237	•		•	1		
	313922	**355**	**250**	960,0	480,0	52,683	•	•		1		
	313924	**355**	**315**	960,0	480,0	55,511	•	•		1		
	13619	**200**	**160**	500,0	300,0	7,445	•	•		1		
	13635	**250**	**160**	750,0	375,0	19,500	•	•		1		
	13641	**250**	**200**	750,0	375,0	18,500	•	•		1		
	13653	**315**	**160**	920,0	237,5	24,850	•		•	1		
	13655	**315**	**200**	920,0	460,0	29,400	•	•		1		
	13657	**315**	**250**	920,0	460,0	30,250	•	•		1		
	13665	**355**	**160**	960,0	257,5	30,893	•		•	1		
	13667	**355**	**200**	960,0	267,5	31,651	•		•	1		
	13669	**355**	**250**	960,0	480,0	41,635	•	•		1		
	13671	**355**	**315**	960,0	480,0	44,721	•	•		1		
11	**13678**	**400**	**160**	1000,0	354,0	44,111	•		•	1		
	13680	**400**	**200**	1000,0	318,0	44,111	•		•	1		
	13682	**400**	**250**	1000,0	280,0	44,111	•		•	1		
	13684	**400**	**315**	1000,0	500,0	46,162	•	•		1		
	13685	**400**	**355**	1000,0	500,0	54,361	•	•		1		
	13692	**450**	**160**	1050,0	379,0	57,962	•		•	1		
	13694	**450**	**200**	1050,0	343,0	57,962	•		•	1		
	13696	**450**	**250**	1050,0	305,0	57,962	•		•	1		
	13698	**450**	**315**	1050,0	315,0	58,818	•		•	1		
	13699	**450**	**355**	1050,0	525,0	78,330	•	•		1		
	13700	**450**	**400**	1050,0	525,0	78,330	•	•		1		

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

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

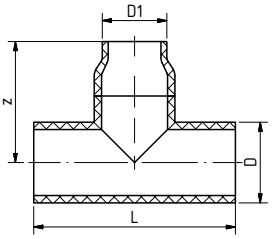


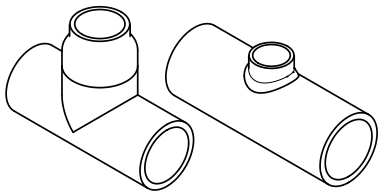


SDR	Art. no.	D [mm]	d1 [mm]	D1 [mm]	L [mm]	l [mm]	z [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
						branch: socket welding						
	2013609	**200**	**75**	100,0	500,0	142,0	112,0	5,460	•	1		
	2013611	**200**	**90**	120,0	500,0	145,0	112,0	5,580	•	1		
	2013613	**200**	**110**	147,0	500,0	149,0	112,0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

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

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

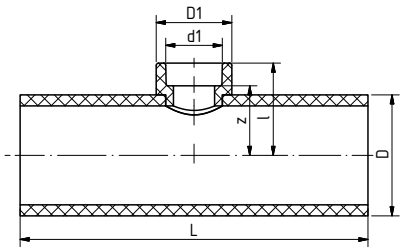


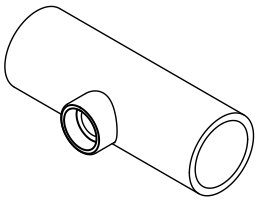


SDR	Art. no.	D [mm]	D1 [mm]	L [mm]	z [mm]	Weight [kg]	System	Pipe with reducer	Pipe with weld-in saddle	PU	Box unit	Price € m/pc
						branch: butt welding						
	2013619	**200**	**160**	500,0	300,0	7,650	•	•		1		
	2013635	**250**	**160**	750,0	375,0	19,030	•	•		1		
	2013641	**250**	**200**	750,0	375,0	21,100	•	•		1		
	2013653	**315**	**160**	920,0	237,5	25,000	•		•	1		
	2013655	**315**	**200**	920,0	460,0	33,200	•	•		1		
	2013657	**315**	**250**	920,0	460,0	34,200	•	•		1		
	2013665	**355**	**160**	960,0	257,5	32,500	•		•	1		
	2013667	**355**	**200**	960,0	267,5	30,200	•		•	1		
	2013669	**355**	**250**	960,0	480,0	40,000	•	•		1		
	2013671	**355**	**315**	960,0	480,0	40,000	•	•		1		
11	**2013678**	**400**	**160**	1000,0	354,0	44,100	•		•	1		
	2013680	**400**	**200**	1000,0	318,0	44,100	•		•	1		
	2013682	**400**	**250**	1000,0	280,0	46,000	•		•	1		
	2013684	**400**	**315**	1000,0	500,0	56,000	•	•		1		
	2013685	**400**	**355**	1000,0	500,0	54,300	•	•		1		
	2013692	**450**	**160**	1050,0	379,0	57,900	•		•	1		
	2013694	**450**	**200**	1050,0	343,0	57,900	•		•	1		
	2013696	**450**	**250**	1050,0	305,0	57,900	•		•	1		
	2013698	**450**	**315**	1050,0	315,0	58,400	•		•	1		
	2013699	**450**	**355**	1050,0	525,0	75,000	•	•		1		
	2013700	**450**	**400**	1050,0	525,0	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/green
Branch: socket welding
Form: pipes with weld-in saddle



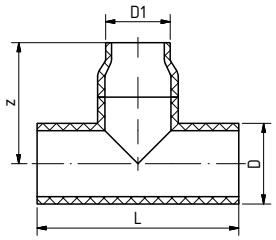


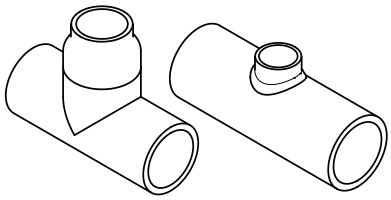
SDR	Art. no.	D [mm]	d1 [mm]	D1 [mm]	L [mm]	l [mm]	z [mm]	Weight [kg]	System	pipe segments	injection molded*	PU	Box unit	Price € m/pc
							branch: socket welding							
17,6	**2513600**	**160**	**75**	100,0	460,0	122,0	92,0	2,227	•	•		1		
	2513602	**160**	**90**	120,0	460,0	125,0	92,0	2,364	•	•		1		
	2513606	**160**	**125**	167,0	290,0	120,0	80,0	2,309			•	1		
	2513608	**200**	**75**	100,0	500,0	142,0	112,0	3,620	•	•		1		
	2513610	**200**	**90**	120,0	500,0	145,0	112,0	3,742	•	•		1		
	2513612	**200**	**110**	147,0	500,0	149,0	112,0	3,976	•	•		1		
	2513614	**200**	**125**	167,0	500,0	155,0	115,0	4,269	•	•		1		
	2513624	**250**	**75**	100,0	750,0	167,0	137,0	8,149	•	•		1		
	2513626	**250**	**90**	120,0	750,0	170,0	137,0	8,274	•	•		1		
	2513628	**250**	**110**	147,0	750,0	174,0	137,0	8,504	•	•		1		
	2513630	**250**	**125**	167,0	750,0	180,0	140,0	9,000	•	•		1		
	2513651	**315**	**125**	167,0	920,0	213,0	173,0	17,570	•	•		1		
	2513663	**355**	**125**	167,0	960,0	233,0	193,0	21,500	•	•		1		
	2513676	**400**	**125**	167,0	1000,0	255,0	215,0	27,690	•	•		1		
	2513690	**450**	**125**	167,0	1050,0	280,0	240,0	36,470	•	•		1		
	2513804	**500**	**125**	167,0	1200,0	305,0	265,0	51,250	•	•		1		
	2513821	**560**	**125**	167,0	1260,0	335,0	295,0	66,900	•	•		1		
	2513839	**630**	**125**	167,0	1330,0	370,0	330,0	89,170	•	•		1		

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

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

Systems: aquatherm blue pipe
Standard: DIN 16962, DIN EN ISO 15874
Colour: blue/green
Branch: butt welding
Form: *see table*

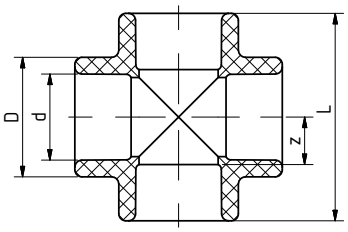


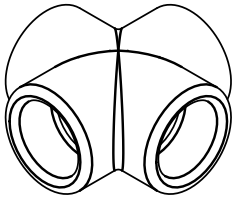


SDR	Art. no.	D [mm]	D1 [mm]	L [mm]	z [mm]	Weight [kg]	System	Pipe with reducer	Pipe with weld-in saddle	PU	Box unit	Price € m/pc
						butt welding						
	2513618	**200**	**160**	500,0	250,0	5,000	•	•		1		
	2513634	**250**	**160**	750,0	375,0	11,600	•	•		1		
	2513640	**250**	**200**	750,0	375,0	11,500	•	•		1		
	2513653	**315**	**160**	920,0	237,5	16,500	•		•	1		
	2513655	**315**	**200**	920,0	460,0	23,600	•	•		1		
	2513657	**315**	**250**	920,0	460,0	22,600	•	•		1		
	2513665	**355**	**160**	960,0	257,5	21,500	•		•	1		
	2513667	**355**	**200**	960,0	267,5	21,900	•		•	1		
	2513669	**355**	**250**	960,0	480,0	28,300	•	•		1		
	2513671	**355**	**315**	960,0	480,0	30,500	•	•		1		
	2513678	**400**	**160**	1000,0	354,0	29,700	•		•	1		
	2513680	**400**	**200**	1000,0	318,0	29,700	•		•	1		
	2513682	**400**	**250**	1000,0	280,0	29,000	•		•	1		
	2513684	**400**	**315**	1000,0	500,0	35,800	•	•		1		
	2513685	**400**	**355**	1000,0	500,0	39,700	•	•		1		
	2513692	**450**	**160**	1050,0	379,0	37,000	•		•	1		
	2513694	**450**	**200**	1050,0	343,0	37,000	•		•	1		
	2513696	**450**	**250**	1050,0	305,0	37,000	•		•	1		
	2513698	**450**	**315**	1050,0	315,0	37,000	•		•	1		
	2513699	**450**	**355**	1050,0	525,0	50,500	•	•		1		
	2513700	**450**	**400**	1050,0	525,0	50,100	•	•		1		
17,6	**2513806**	**500**	**160**	1200,0	404,0	53,400	•		•	1		
	2513808	**500**	**200**	1200,0	368,0	53,500	•		•	1		
	2513810	**500**	**250**	1200,0	330,0	53,500	•		•	1		
	2513812	**500**	**315**	1200,0	340,0	54,000	•		•	1		
	2513813	**500**	**355**	1200,0	600,0	72,500	•	•		1		
	2513814	**500**	**400**	1200,0	600,0	72,700	•	•		1		
	2513815	**500**	**450**	1200,0	600,0	71,500	•	•		1		
	2513823	**560**	**160**	1260,0	434,0	69,000	•		•	1		
	2513825	**560**	**200**	1260,0	398,0	69,000	•		•	1		
	2513827	**560**	**250**	1260,0	360,0	69,000	•		•	1		
	2513829	**560**	**315**	1260,0	370,0	66,700	•		•	1		
	2513831	**560**	**400**	1260,0	630,0	96,200	•	•		1		
	2513832	**560**	**450**	1260,0	630,0	97,400	•	•		1		
	2513833	**560**	**500**	1260,0	630,0	96,400	•	•		1		
	2513841	**630**	**160**	1330,0	474,0	91,530	•		•	1		
	2513843	**630**	**200**	1330,0	438,0	91,500	•		•	1		
	2513845	**630**	**250**	1330,0	400,0	91,500	•		•	1		
	2513847	**630**	**315**	1330,0	405,0	92,350	•		•	1		
	2513849	**630**	**400**	1330,0	665,0	133,800	•	•		1		
	2513850	**630**	**450**	1330,0	665,0	133,400	•	•		1		
	2513851	**630**	**500**	1330,0	665,0	130,700	•	•		1		
	2513852	**630**	**560**	1330,0	665,0	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

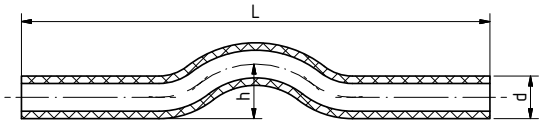


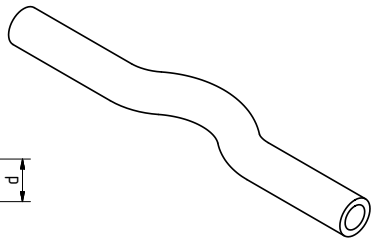


SDR	Art. no.	Dimension d [mm]	D [mm]	L [mm]	z [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
				socket welding						
6 7,4 9 11	**13708**	**20**	29,5	51,5	11,3	0,025	• • •	10		
	13710	**25**	34,0	59,0	13,5	0,035	• • •	10		
	13712	**32**	43,0	70,0	17,0	0,062	• • •	5		
	13714	**40**	52,0	83,0	21,0	0,099	• • •	5		

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

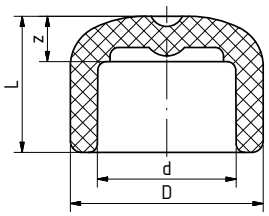


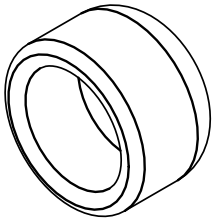


SDR	Art. no.	Dimension d [mm]	h [mm]	L [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
			socket welding						
6 7,4 9 11	**16106**	**16**	17,0	352,0	0,038	•	10		
	16108	**20**	22,0	352,0	0,060	• • •	10		
	16110	**25**	25,0	352,0	0,091	• • •	10		
	16112	**32**	32,0	352,0	0,154	• • •	5		

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

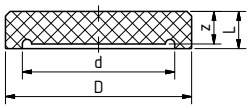


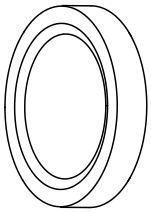


SDR	Art. no.	Dimension d [mm]	D [mm]	z [mm]	L [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
					socket welding					
6 7,4 9 11	**14106**	**16**	26,0	13,5	26,5	0,008	•	10	2000	
	14108	**20**	29,5	9,5	24,0	0,009	• • •	10	2000	
	14110	**25**	34,0	8,0	24,0	0,011	• • •	10	1500	
	14112	**32**	43,0	11,0	29,0	0,023	• • •	5	1000	
	14114	**40**	52,0	17,5	38,0	0,042	• • •	5	500	
	14116	**50**	68,0	21,0	44,5	0,082	• • •	5	300	
	14118	**63**	84,0	24,5	52,0	0,146	• • •	1	150	
	14120	**75**	100,0	28,5	58,5	0,243	• • •	1	90	
	14122	**90**	120,0	34,5	67,5	0,365	• • •	1	60	
	14124	**110**	147,0	28,0	65,0	0,635	• • •	1	40	
	14126	**125**	167,0	42,0	82,0	0,872	• • •	1		

END CAP BUTT-WELDING

Systems: aquatherm green pipe, aquatherm blue pipe, 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 [mm]	z [mm]	d [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
7,4	**14130**	**160**	70,0	21,9	116,2	0,876	•	1		
	14134	**200**	80,0	27,4	145,2	1,398	•	1		
	14138	**250**	90,0	34,2	181,6	2,530	•	1		
9	**314130**	**160**	70,0	17,9	124,2	0,847	•	1		
	314134	**200**	80,0	22,4	155,2	1,373	•	1		
	314138	**250**	90,0	27,9	194,2	2,856	•	1		
	314142	**315**	70,0	52,5	244,6	5,080	•	1		
	314144	**355**	80,0	66,5	275,6	7,050	•	1		
11	**14131**	**160**	70,0	14,6	130,8	0,759	• •	1		
	14135	**200**	80,0	18,2	163,6	1,070	• •	1		
	14139	**250**	90,0	22,7	204,6	1,989	• •	1		
	14143	**315**	70,0	52,5	257,8	6,200	• •	1		
	14145	**355**	80,0	67,5	290,6	9,500	• •	1		
	14147	**400**	70,0	60,0	327,4	8,500	• •	1		
	14149	**450**	80,0	70,0	368,2	12,200	• •	1		
17,6	**2514130**	**160**	70,0	9,1	141,8	0,679	•	1		
	2514134	**200**	80,0	11,4	177,2	0,925	•	1		
	2514138	**250**	90,0	14,2	221,6	2,109	•	1		
	2514142	**315**	70,0	60,0	279,2	2,961	•	1		
	2514144	**355**	70,0	60,0	314,8	3,930	•	1		
	2514146	**400**	75,0	65,0	354,6	5,821	•	1		
	2514148	**450**	70,0	56,0	399,0	8,520	•	1		
	2514150	**500**	75,0	62,0	443,2	12,500	•	1		
	2514152	**560**	80,0	69,5	496,6	16,000	•	1		
	2514154	**630**	90,0	78,0	558,6	23,500	•	1		

WELD-IN SADDLE

for pressureless installation

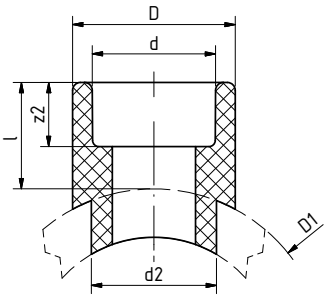
Systems: aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe

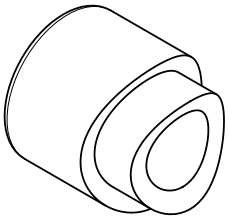
Material: Fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green

Notice *do not use with aquatherm blue pipe OT



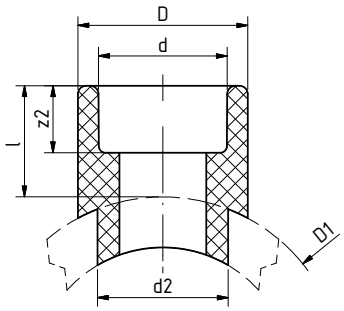


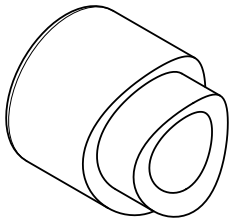
SDR	Art. no.	D1 [mm]	d [mm]	d2 [mm]	l [mm]	z2 [mm]	D [mm]	Weight [kg]	System			PU	Box unit	Price € m/pc
						socket welding								
	15156*	**40**	**20**	**25**	27,0	14,5	29,5	0,016	•	•	•	5		
	15158*	**40**	**25**	**25**	28,5	16,0	34,0	0,017	•	•	•	5		
	15160	**50**	**20**	**25**	27,5	14,5	29,5	0,018	•	•	•	5		
	15162	**50**	**25**	**25**	28,5	16,0	34,0	0,019	•	•	•	5		
	15164	**63**	**20**	**25**	27,5	14,5	29,5	0,017	•	•	•	5		
	15166	**63**	**25**	**25**	28,5	16,0	34,0	0,019	•	•	•	5		
	15168	**63**	**32**	**32**	30,0	18,0	43,0	0,028	•	•	•	5		
	15170	**75**	**20**	**25**	27,5	14,5	29,5	0,018	•	•	•	5		
	15172	**75**	**25**	**25**	28,5	16,0	34,0	0,019	•	•	•	5		
	15174	**75**	**32**	**32**	30,0	18,0	43,0	0,028	•	•	•	5		
	15175	**75**	**40**	**40**	34,0	20,5	52,0	0,049	•	•	•	5		
	15176	**90**	**20**	**25**	27,5	14,5	29,5	0,018	•	•	•	5		
	15178	**90**	**25**	**25**	28,5	16,0	34,0	0,019	•	•	•	5		
	15180	**90**	**32**	**32**	30,0	18,0	43,0	0,029	•	•	•	5		
	15181	**90**	**40**	**40**	34,0	20,5	52,0	0,048	•	•	•	5		
	15182	**110**	**20**	**25**	27,5	14,5	29,5	0,019	•	•	•	5		
	15184	**110**	**25**	**25**	28,5	16,0	34,0	0,020	•	•	•	5		
	15186	**110**	**32**	**32**	30,0	18,0	43,0	0,030	•	•	•	5		
	15188	**110**	**40**	**40**	34,0	20,5	52,0	0,050	•	•	•	5		
	15189	**110**	**50**	**50**	34,0	23,5	68,0	0,091	•	•	•	5		
	15190	**125**	**20**	**25**	27,5	14,5	29,5	0,019	•	•	•	5		
	15192	**125**	**25**	**25**	28,5	16,0	34,0	0,020	•	•	•	5		
	15194	**125**	**32**	**32**	30,0	18,0	43,0	0,029	•	•	•	5		
	15196	**125**	**40**	**40**	34,0	20,5	52,0	0,050	•	•	•	5		
6 7,4	**15197**	**125**	**50**	**50**	34,0	23,5	68,0	0,090	•	•	•	5		
9	**15198**	**125**	**63**	**63**	38,0	27,5	84,0	0,149	•	•	•	5		
11	**15206**	**160**	**20**	**25**	27,5	14,5	29,5	0,021	•	•		5		
17,6	**15208**	**160**	**25**	**25**	28,5	16,0	34,0	0,023	•	•		5		
	15210	**160**	**32**	**32**	30,0	18,0	43,0	0,034	•	•		5		
	15212	**160**	**40**	**40**	34,0	20,5	52,0	0,054	•	•		5		
	15214	**160**	**50**	**50**	34,0	23,5	68,0	0,094	•	•		5		
	15216	**160**	**63**	**63**	38,0	27,5	84,0	0,157	•	•		5		
	15218	**160**	**75**	**75**	42,0	30,0	100,0	0,238	•	•		5		
	15220	**160**	**90**	**90**	45,0	33,0	120,0	0,360	•	•		5		
	15228	**200-250**	**20**	**25**	27,5	14,5	29,5	0,020	•	•		5		
	15229	**200-250**	**25**	**25**	28,5	16,0	34,0	0,021	•	•		5		
	15230	**200-250**	**32**	**32**	30,0	18,0	43,0	0,031	•	•		5		
	15231	**200**	**40**	**40**	34,0	20,5	52,0	0,049	•	•		5		
	15232	**200**	**50**	**50**	34,0	23,5	68,0	0,087	•	•		5		
	15233	**200**	**63**	**63**	37,5	27,5	84,0	0,146	•	•		5		
	15234	**200**	**75**	**75**	42,0	30,0	100,0	0,225	•	•		5		
	15235	**200**	**90**	**90**	45,0	33,0	120,0	0,356	•	•		5		
	15236	**200**	**110**	**110**	49,0	37,0	147,0	0,638	•	•		5		
	15237	**200**	**125**	**125**	55,0	40,0	167,0	0,862	•	•		5		
	15251	**250**	**40**	**40**	34,0	20,5	52,0	0,053	•	•		5		
	15252	**250**	**50**	**50**	34,0	23,5	68,0	0,090	•	•		5		
	15253	**250**	**63**	**63**	37,5	27,5	84,0	0,152	•	•		5		
	15254	**250**	**75**	**75**	42,0	30,0	100,0	0,222	•	•		5		
	15255	**250**	**90**	**90**	45,0	33,0	120,0	0,348	•	•		5		
	15256	**250**	**110**	**110**	49,0	37,0	147,0	0,602	•	•		5		
	15257	**250**	**125**	**125**	55,0	40,0	167,0	0,820	•	•		5		

WELD-IN SADDLE

for pressureless installation

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





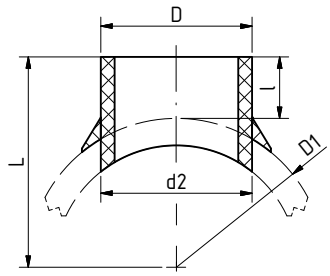
SDR	Art. no.	D1 [mm]	d [mm]	d2 [mm]	l [mm]	z2 [mm]	D [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
						socket welding						
6 7,4 9 11 17,6	**15260**	**315-355**	**63**	**63**	37,5	27,5	84,0	0,153	• •	1		
	15261	**315-355**	**75**	**75**	42,0	30,0	100,0	0,230	• •	1		
	15262	**315**	**90**	**90**	45,0	33,0	120,0	0,363	• •	1		
	15263	**315**	**110**	**110**	49,0	37,0	147,0	0,592	• •	1		
	15264	**315**	**125**	**125**	55,0	40,0	167,0	0,830	• •	1		
	15268	**355**	**90**	**90**	45,0	33,0	120,0	0,355	• •	1		
	15269	**355**	**110**	**110**	49,0	37,0	147,0	0,586	• •	1		
	15270	**355**	**125**	**125**	55,0	40,0	167,0	0,813	• •	1		
	15275	**400-500**	**75**	**75**	42,0	30,0	100,0	0,216	• •	1		
	15277	**400-450**	**110**	**110**	49,0	37,0	147,0	0,535	• •	1		
	15278	**400**	**125**	**125**	55,0	40,0	167,0	0,693	• •	1		
	15288	**400-500**	**90**	**90**	45,0	33,0	120,0	0,330	• •	1		
	15290	**450-500**	**125**	**125**	55,0	40,0	167,0	0,671	• •	1		
	15300	**400-630**	**63**	**63**	37,5	27,5	84,0	0,498	• •	1		
	15303	**500-560**	**110**	**110**	49,0	37,5	147,0	0,533	• •	1		
	15315	**560-630**	**75**	**75**	42,0	30,0	100,0	0,260	• •	1		
	15316	**560-630**	**90**	**90**	45,0	33,0	120,0	0,350	• •	1		
	15318	**560-630**	**125**	**125**	55,0	40,0	167,0	0,689	• •	1		
	15331	**630**	**110**	**110**	49,0	37,0	147,0	0,567	• •	1		

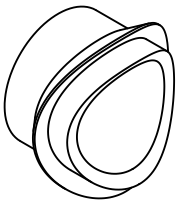
With weld-on surface and additional weld-in socket for the fusion with the inner pipe wall.
The necessary tools for the fusion of aquatherm green pipe weld-in saddles are listed from page 94 onwards.

WELD-IN SADDLE BUTT WELDING

for pressureless installation

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.	D1 [mm]	D [mm]	d2 [mm]	l [mm]	L [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
						butt welding					
9	**315265**	**315**	**160**	**160**	80,0	237,5	0,831	• •	1		
	315271	**355**	**160**	**160**	80,0	257,5	0,845	• •	1		
11	**15265**	**315**	**160**	**160**	80,0	237,5	0,868	• •	1		
	15271	**355**	**160**	**160**	80,0	257,5	0,867	• •	1		

With weld-on surface and additional weld-in socket for the fusion with the inner pipe wall.
The necessary tools for the fusion of aquatherm green pipe weld-in saddles are listed from page 94 onwards.

WELD-IN SADDLE WITH FEMALE THREAD

for pressureless installation

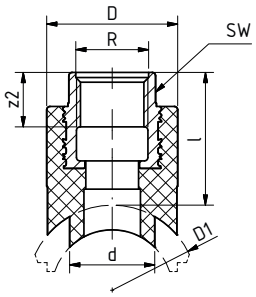
Systems: aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe

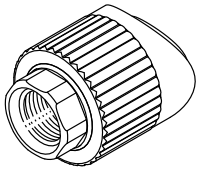
Material: Fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874
Fusiolen® PP-R, brass
Fusiolen® PP-R, stainless steel

Colour: green

Notice *do not use with aquatherm blue pipe OT



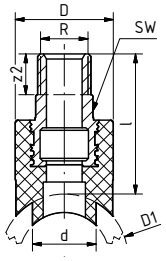


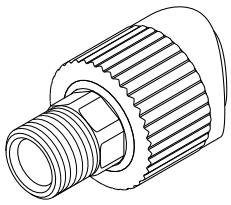
SDR	Art. no.	D1 [mm]	d [mm]	l [mm]	z2 [mm]	D [mm]	R	SW [mm]	Weight [kg]	System			PU	Box unit	Price € m/pc
							socket welding								
							brass								
	28214*	**40**	**25**	39,0	16,0	38,5	1/2“	24	0,088	•	•	•	5		
	28216	**50**	**25**	39,0	16,0	38,5	1/2“	24	0,090	•	•	•	5		
	28218	**63**	**25**	39,0	16,0	38,5	1/2“	24	0,089	•	•	•	5		
	28220	**75**	**25**	39,0	16,0	38,5	1/2“	24	0,083	•	•	•	5		
	28222	**90**	**25**	39,0	16,0	38,5	1/2“	24	0,090	•	•	•	5		
	28224	**110**	**25**	39,0	16,0	38,5	1/2“	24	0,089	•	•	•	5		
	28226	**125**	**25**	39,0	16,0	38,5	1/2“	24	0,092	•	•	•	5		
	28230	**160**	**25**	39,0	16,0	38,5	1/2“	24	0,092	•	•		5		
	28232	**200-250**	**25**	39,0	16,0	38,5	1/2“	24	0,092	•	•		5		
	28234	**40**	**25**	39,0	21,0	43,5	3/4“	31	0,107	•	•	•	5		
	28236	**50**	**25**	39,0	21,0	43,5	3/4“	31	0,110	•	•	•	5		
	28238	**63**	**25**	39,0	21,0	43,5	3/4“	31	0,109	•	•	•	5		
	28240	**75**	**25**	39,0	21,0	43,5	3/4“	31	0,109	•	•	•	5		
	28242	**90**	**25**	39,0	21,0	43,5	3/4“	31	0,110	•	•	•	5		
	28244	**110**	**25**	39,0	21,0	43,5	3/4“	31	0,110	•	•	•	5		
	28246	**125**	**25**	39,0	21,0	43,5	3/4“	31	0,112	•	•	•	5		
	28250	**160**	**25**	39,0	21,0	43,5	3/4“	31	0,112	•	•		5		
	28254	**200-250**	**25**	39,0	21,0	43,5	3/4“	31	0,112	•	•		5		
	28260	**75**	**32**	43,0	22,0	60,0	1“	39	0,223	•	•	•	5		
	28262	**90**	**32**	43,0	22,0	60,0	1“	39	0,223	•	•	•	5		
	28264	**110**	**32**	43,0	22,0	60,0	1“	39	0,223	•	•	•	5		
	28266	**125**	**32**	43,0	22,0	60,0	1“	39	0,224	•	•	•	5		
6	**28270**	**160**	**32**	43,0	22,0	60,0	1“	39	0,226	•	•		5		
7,4	**28274**	**200-250**	**32**	43,0	22,0	60,0	1“	39	0,244	•	•		5		
9							**stainless steel**								
11	**928214***	**40**	**25**	39,0	16,0	38,5	1/2“	24	0,088	•	•	•	5		
17,6	**928216**	**50**	**25**	39,0	16,0	38,5	1/2“	24	0,090	•	•	•	5		
	928218	**63**	**25**	39,0	16,0	38,5	1/2“	24	0,067	•	•	•	5		
	928220	**75**	**25**	39,0	16,0	38,5	1/2“	24	0,067	•	•	•	5		
	928222	**90**	**25**	39,0	16,0	38,5	1/2“	24	0,069	•	•	•	5		
	928224	**110**	**25**	39,0	16,0	38,5	1/2“	24	0,089	•	•	•	5		
	928226	**125**	**25**	39,0	16,0	38,5	1/2“	24	0,069	•	•	•	5		
	928230	**160**	**25**	39,0	16,0	38,5	1/2“	24	0,071	•	•		5		
	928232	**200-250**	**25**	39,0	16,0	38,5	1/2“	24	0,000	•	•		5		
	928234	**40**	**25**	39,0	21,0	43,5	3/4“	31	0,080	•	•	•	5		
	928236	**50**	**25**	39,0	21,0	43,5	3/4“	31	0,083	•	•	•	5		
	928238	**63**	**25**	39,0	21,0	43,5	3/4“	31	0,109	•	•	•	5		
	928240	**75**	**25**	39,0	21,0	43,5	3/4“	31	0,109	•	•	•	5		
	928242	**90**	**25**	39,0	21,0	43,5	3/4“	31	0,084	•	•	•	5		
	928244	**110**	**25**	39,0	21,0	43,5	3/4“	31	0,082	•	•	•	5		
	928246	**125**	**25**	39,0	21,0	43,5	3/4“	31	0,084	•	•	•	5		
	928250	**160**	**25**	39,0	21,0	43,5	3/4“	31	0,085	•	•		5		
	928254	**200-250**	**25**	39,0	21,0	43,5	3/4“	31	0,083	•	•		5		
	928260	**75**	**32**	43,0	22,0	60,0	1“	39	0,217	•	•	•	5		
	928262	**90**	**32**	43,0	22,0	60,0	1“	39	0,088	•	•	•	5		
	928264	**110**	**32**	43,0	22,0	60,0	1“	39	0,088	•	•	•	5		
	928266	**125**	**32**	43,0	22,0	60,0	1“	39	0,056	•	•	•	5		
	928270	**160**	**32**	43,0	22,0	60,0	1“	39	0,057	•	•		5		
	928274	**200-250**	**32**	43,0	22,0	60,0	1“	39	0,057	•	•		5		

WELD-IN SADDLE WITH MALE THREAD

for pressureless installation

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





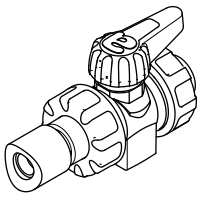
SDR	Art. no.	D1 [mm]	d [mm]	l [mm]	z2 [mm]	D [mm]	R	SW [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
						socket welding							
6 7.4 9 11 17.6	**28314***	**40**	**25**	55,0	16,0	38,5	1/2“	21	0,088	• • •	5		
	28316	**50**	**25**	55,0	16,0	38,5	1/2“	21	0,090	• • •	5		
	28318	**63**	**25**	55,0	16,0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

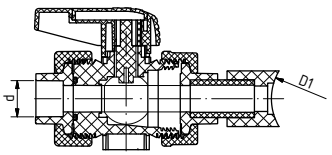
With hex shaped male thread, weld-in surface and weld-in socket for fusion with the inner wall of the pipe. The necessary tools for the fusion of aquatherm green pipe weld-in saddles are listed from page 94 onwards.

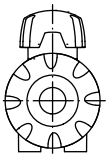
NEW aquatherm WELD-ON SADDLE SET WITH BALL VALVE

for installation under pressure
in use with tapping tool page 179

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 [mm]	D1 [mm]	System	PU	Box unit	Price € m/pc
6 7,4 9 11 17,6	**16175**	**40**	**75**	• • •	1		
	16181	**40**	**90**	• • •	1		
	16188	**40**	**110**	• • •	1		
	16196	**40**	**125**	• • •	1		
	16198	**63**	**125**	• • •	1		
	16212	**40**	**160**	• •	1		
	16216	**63**	**160**	• •	1		
	16231	**40**	**200**	• •	1		
	16233	**63**	**200**	• •	1		
	16251	**40**	**250**	• •	1		
	16253	**63**	**250**	• •	1		
	16260	**63**	**315-355**	• •	1		
	16300	**63**	**400-630**	• •	1		

The required tools for the fusion of aquatherm green pipe weld-on saddles are listed from page 99 onwards.

FLANGE ADAPTER SOCKET WELDING

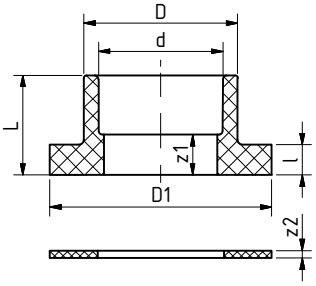
with gasket

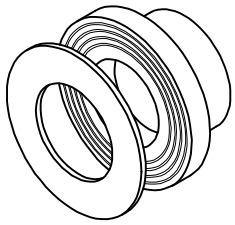
Systems: aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe

Material: Fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green





SDR	Art. no.	Dimension d [mm]	L [mm]	l [mm]	D [mm]	D1 [mm]	z1 [mm]	z2 [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
						socket welding							
6 7,4 9 11	**15512**	**32**	34,0	10,0	41,0	68,0	16,0	3	0,053	• • •	1		
	15514	**40**	35,5	11,0	50,0	78,0	15,0	3	0,071	• • •	1		
	15516	**50**	39,5	12,0	61,0	88,0	16,0	3	0,071	• • •	1		
	15518	**63**	43,5	14,0	76,0	102,0	16,0	3	0,112	• • •	1		
	15520	**75**	46,0	16,0	90,0	122,0	16,0	3	0,169	• • •	1		
	15522	**90**	50,0	17,0	108,0	138,0	17,0	3	0,261	• • •	1		
	15524	**110**	55,5	18,5	131,0	158,0	18,5	3	0,329	• • •	1		
	15527	**125**	63,0	20,0	165,0	188,0	23,0	3	0,724	• • •	1		

FLANGE ADAPTER SOCKET WELDING

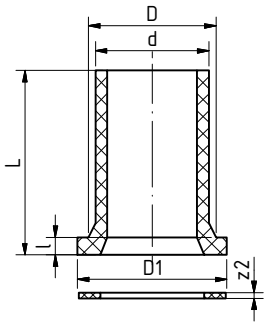
with gasket

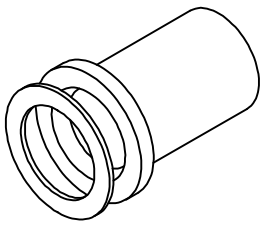
Systems: aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe

Material: Fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green





SDR	Art. no.	Dimension d [mm]	L [mm]	l [mm]	D [mm]	D1 [mm]	z2 [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7,4 9 11	**15526**	**125**	195,0	18,5	131,0	158,0	3	1,180	• • •	1		

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

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

FLANGE ADAPTER BUTT WELDING

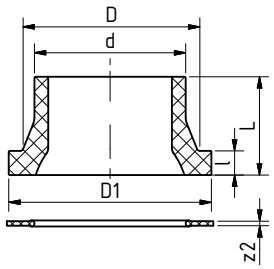
with gasket

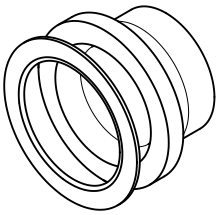
Systems: aquatherm green pipe, aquatherm blue pipe

Material: Fusiolen® PP-R & PP-RP

Standard: DIN 16962, DIN EN ISO 15874

Colour: green





SDR	Art. no.	Dimension d [mm]	L [mm]	l [mm]	D [mm]	D1 [mm]	z2 [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
					butt welding							
	15530	**160**	93,0	25,0	175,0	212,0	3,00	1,163	•	1		
	15534	**200**	130,0	32,0	232,0	268,0	6,00	2,292	•	1		
	15538	**250**	130,0	35,0	285,0	320,0	6,00	3,298	•	1		
	315530	**160**	93,0	25,0	175,0	212,0	3	1,150	•	1		
	315534	**200**	130,0	32,0	232,0	268,0	6	2,292	•	1		
9	**315538**	**250**	130,0	35,0	285,0	320,0	6	3,313	•	1		
	315542	**315**	172,5	52,0	337,0	370,0	6	5,640	•	1		
	315544	**355**	185,0	42,0	372,0	432,0	6	14,318	•	1		
	15531	**160**	93,0	25,0	175,0	212,0	3	0,955	• •	1		
	15535	**200**	130,0	32,0	232,0	268,0	6	1,957	• •	1		
	15539	**250**	130,0	35,0	285,0	320,0	6	2,717	• •	1		
11	**15543**	**315**	170,0	35,0	335,0	370,0	6	5,650	• •	1		
	15545	**355**	185,0	42,0	372,0	432,0	6	9,000	• •	1		
	15547	**400**	195,0	50,0	425,0	484,0	6	12,000	• •	1		
	15549	**450**	220,0	75,0	512,0	586,0	7	16,500	• •	1		
	2515530	**160**	93,0	25,0	175,0	212,0	3	0,821	•	1		
	2515534	**200**	130,0	32,0	232,0	268,0	6	1,849	•	1		
	2515538	**250**	130,0	35,0	285,0	320,0	6	2,736	•	1		
	2515542	**315**	170,0	35,0	335,0	370,0	6	4,500	•	1		
	2515544	**355**	185,0	42,0	372,0	432,0	6	6,500	•	1		
17,6	**2515546**	**400**	199,0	33,0	425,0	484,0	6	8,500	•	1		
	2515548	**450**	140,0	46,0	512,0	586,0	7	12,000	•	1		
	2515550	**500**	141,0	47,0	525,0	585,0	7	9,800	•	1		
	2515552	**560**	141,0	50,0	612,0	685,0	7	13,800	•	1		
	2515554	**630**	142,0	50,0	640,0	688,0	7	12,600	•	1		

FLANGE ADAPTER INCL. FLANGE PN6

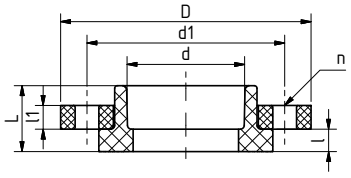
without gasket

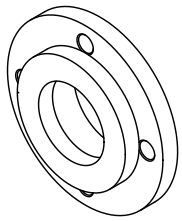
Systems: aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe

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

Colour: Flange: black
Flange adapter: green

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





SDR	Art. no.	Diameter d [mm]	D [mm]	d1 [mm]	L [mm]	l1 [mm]	l [mm]	n	Weight [kg]	System	PU	Box unit	Price € m/pc
						socket welding							
	15012	**32**	100,0	75,0	34,0	10,0	10,0	4	1,090	• • •	1		
	15014	**40**	120,0	90,0	35,5	10,0	11,0	4	1,170	• • •	1		
6	**15016**	**50**	130,0	100,0	39,5	10,0	12,0	4	1,360	• • •	1		
7,4	**15018**	**63**	140,0	110,0	43,5	10,0	14,0	4	1,530	• • •	1		
9	**15020**	**75**	160,0	130,0	46,0	10,0	16,0	4	1,930	• • •	1		
11	**15022**	**90**	190,0	150,0	50,0	10,0	17,0	4	3,080	• • •	1		
17,6	**15024**	**110**	210,0	170,0	55,5	10,0	18,5	4	3,430	• • •	1		
	15027	**125**	240,0	200,0	63,0	12,0	20,0	8	3,945	• • •	1		

Delivery time: on request

FLANGE ADAPTER INCL. FLANGE PN6

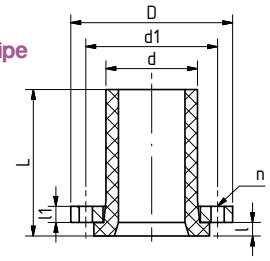
without gasket

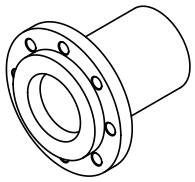
Systems: aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe

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

Colour: Flange: black
Flange adapter: green

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





SDR	Art. no.	Diameter d [mm]	D [mm]	d1 [mm]	L [mm]	l1 [mm]	l [mm]	n	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7,4 9 11 17,6	**15026**	**125**	210,0	170,0	195,0	10,0	18,5	4	3,760	• • •	1		

Delivery time: on request

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

FLANGE ADAPTER INCL. FLANGE PN6

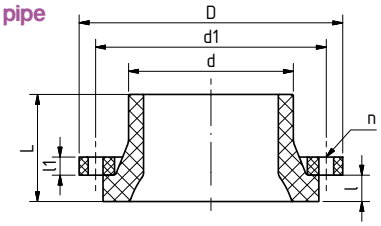
without gasket

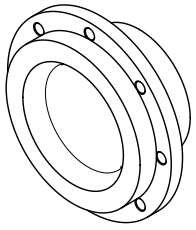
Systems: aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe

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

Colour: Flange: black
Flange adapter: green

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





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

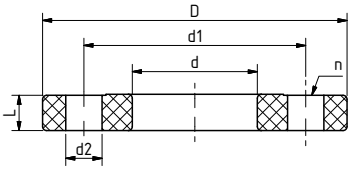
Delivery time: on request

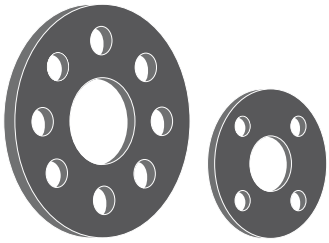
PLASTIC COATED STEEL FLANGE

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

Material: PP/steel

Colour: grey





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

SDR	Art. no.	fits to Art. no.	Dimension flange adapter [mm]	DN	d [mm]	d1 [mm]	D [mm]	d2 [mm]	L [mm]	n	Weight [kg]	System	PU	Box unit	Price € m/pc
							socket welding								
	15712	15512	**32**	25	42,0	85,0	116,0	14,0	15,5	4	0,469	• • •	1		
	15714	15514	**40**	32	51,0	100,0	141,0	18,0	17,5	4	0,722	• • •	1		
	15716	15516	**50**	40	62,0	110,0	151,0	18,0	17,5	4	0,770	• • •	1		
	15718	15518	**63**	50	78,0	125,0	166,0	18,0	19,0	4	0,911	• • •	1		
	15720	15520	**75**	65	92,0	145,0	186,0	18,0	19,0	4	1,132	• • •	1		
	15722	15522	**90**	80	110,0	160,0	201,0	18,0	21,0	8	1,356	• • •	1		
	15724	15524/26	**110**	100	133,0	180,0	221,0	18,0	22,0	8	1,475	• • •	1		
	15726	15527	**125**	125	167,0	210,0	251,0	18,0	26,0	8	2,082	• • •	1		
	15730	15531 315530 2515530	**160**	150	178,0	240,0	286,0	22,0	27,0	8	3,671	• •	1		
6 7,4 9 11 17,6	***15734**	15535 315534 2515534	**200**	200	235,0	295,0	341,0	22,0	28,0	8	4,709	• •	1		
	***15738**	15539 315538 2515538	**250**	250	288,0	350,0	406,0	22,0	31,0	12	7,094	• •	1		
	***15742**	15543 315542 2515542	**315**	300	340,0	400,0	460,0	22,0	33,5	12	9,500	• •	1		
	***15744**	15545 315544 2515544	**355**	350	380,0	460,0	520,0	22,0	39,0	16	15,300	• •	1		
	***15746**	15547 2515546	**400**	400	430,0	515,0	565,0	26,0	34,0	16	19,680	• •	1		
	****15748**	15549 2515548	**450**	500	517,0	620,0	670,0	26,0	42,0	20	22,880	• •	1		
	****15750**	2515550	**500**	500	533,0	620,0	670,0	26,0	38,0	20	19,000	• •	1		
	****15752**	2515552	**560**	600	618,0	725,0	785,0	30,0	50,0	20	37,200	• •	1		
	****15754**	2515554	**630**	600	645,0	725,0	785,0	30,0	40,0	20	25,800	• •	1		

*Flange PN10 ø 200–630 mm (Art. no. 15934–15954) also available on request in PN16.

**Material: steel/epoxyd

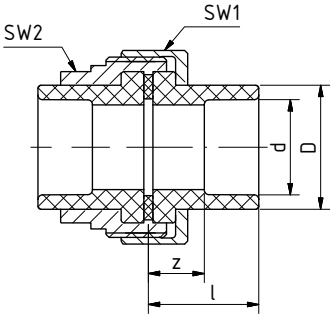
COUPLING SCREW JOINT

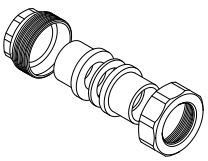
Systems: aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe

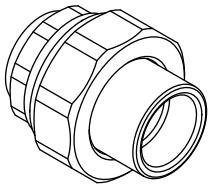
Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green, brassy

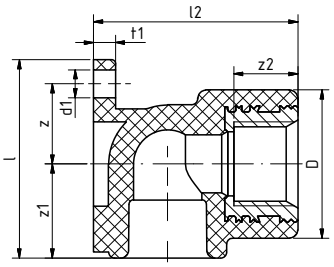


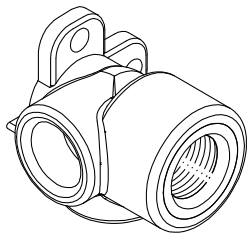




SDR	Art. no.	Dimension d [mm]	l [mm]	z [mm]	D [mm]	SW1 [mm]	SW2 [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
						socket welding						
	15812	**32**	36,5	18,5	41,0	64	50	0,479	• • •	1		
6 7.4 9 11	**15814**	**40**	38,0	17,5	50,0	80	60	0,841	• • •	1		
	15816	**50**	41,0	17,5	61,0	86	70	0,821	• • •	1		
	15818	**63**	45,0	17,5	76,0	108	90	1,498	• • •	1		
	15820	**75**	47,5	17,5	90,0	128	104	1,998	• • •	1		

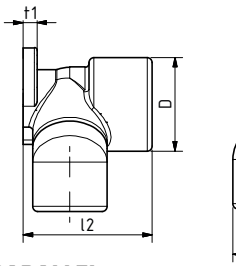
PRINCIPLE OF FLOW-THROUGH BACK PLATE ELBOW

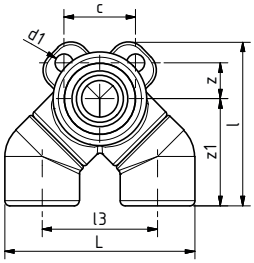


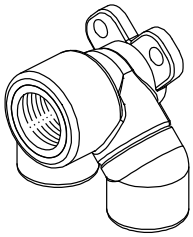


aquatherm green pipe FLOW-THROUGH BACK PLATE ELBOW 90°

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





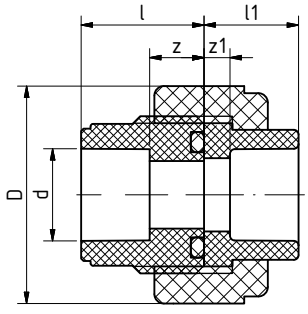


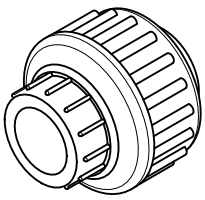
aquatherm green pipe FLOW-THROUGH BACK PLATE ELBOW, PARALLEL

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

COUPLING SCREW JOINT

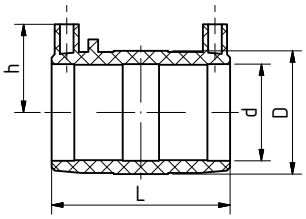
Systems: aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe
Material: Fusiolen® PP-R
Standard: DIN 16962, DIN EN ISO 15874
Colour: green

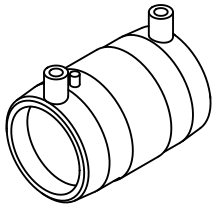




SDR	Art. no.	Dimension d [mm]	l [mm]	z [mm]	l1 [mm]	z1 [mm]	D [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
						socket welding						
6 7.4 9 11	**15838**	**20**	26,0	12,0	20,0	5,5	46,0	0,036	• • •	10		
	15840	**25**	28,0	12,0	21,0	5,0	56,0	0,058	• • •	10		
	15842	**32**	30,0	12,0	23,0	5,0	66,0	0,089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

ELECTROFUSION SOCKET

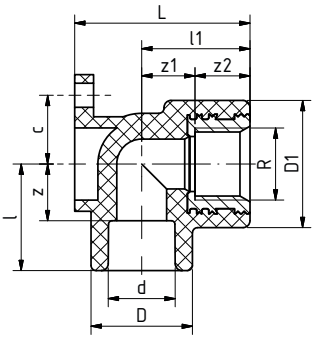


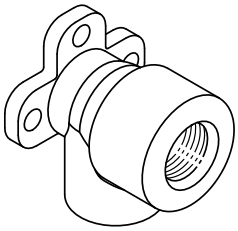


Systems: aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe
Material: Fusiolen® PP-R
Standard: DIN 16962, DIN EN ISO 15874
Colour: green
Notice do not use with 160–250 mm fittings
*do not use with aquatherm blue pipe MF OT

SDR	Art. no.	Dimension d [mm]	L [mm]	h [mm]	D [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
					Electro-socket welding					
6 7,4 9 11 17,6	**17208**	**20**	70,0	36,0	31,5	0,049	• • •	1		
	17210	**25**	78,0	38,5	36,5	0,057	• • •	1		
	17212	**32**	80,0	42,5	45,0	0,077	• • •	1		
	17214	**40**	92,0	47,0	54,0	0,103	• • •	1		
	17216	**50**	103,0	52,0	65,0	0,142	• • •	1		
	17218	**63**	118,0	58,0	81,5	0,239	• • •	1		
	17220	**75**	130,0	64,5	96,0	0,347	• • •	1		
	17222	**90**	145,0	72,0	113,5	0,501	• • •	1		
	17224	**110**	160,0	82,5	139,0	0,821	• • •	1		
	17226	**125**	172,0	90,0	156,0	1,097	• • •	1		
	17230*	**160**	186,0	109,5	197,0	1,754	• •	1		
	17234*	**200**	210,0	134,0	243,0	3,625	• •	1		
	17238*	**250**	250,0	170,0	315,0	7,142	• •	1		

BACK PLATE ELBOW



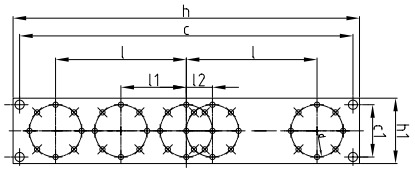


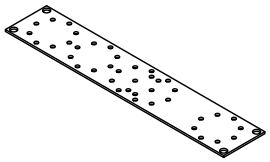
Systems: aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe
Material: Fusiolen® PP-R, brass
Fusiolen® PP-R, stainless steel
Standard: DIN 16962, DIN EN ISO 15874
Colour: green

SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	D [mm]	l1 [mm]	z1 [mm]	z2 [mm]	D1 [mm]	L [mm]	c [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
								socket welding									
								brass									
6 7,4 11	**20106**	**16**	**1/2"**	31,0	18,0	29,5	31,5	18,5	13,0	37,0	51,0	20,0	0,080	•		200	
	20108	**20**	**1/2"**	31,0	16,5	29,5	31,5	18,5	13,0	37,0	51,0	20,0	0,079	• • •		200	
	20110	**20**	**3/4"**	37,0	22,5	34,0	37,0	24,0	13,0	44,0	54,0	-	0,106	• • •			
	20112	**25**	**3/4"**	37,0	21,0	34,0	37,0	24,0	13,0	44,0	54,0	-	0,105	• • •			
	20113	**25**	**1/2"**	33,5	17,5	34,0	31,0	18,0	13,0	37,0	53,0	20,0	0,080	• • •			
								stainless steel									
	920108	**20**	**1/2"**	31,0	16,5	29,5	31,5	18,5	13,0	37,0	51,0	20,0	0,084	•			
	920110	**20**	**3/4"**	37,0	22,5	34,0	37,0	24,0	13,0	44,0	54,0	-	0,101	• • •			
	920112	**25**	**3/4"**	37,0	21,0	34,0	37,0	24,0	13,0	44,0	54,0	-	0,111	• • •			
	920113	**25**	**1/2"**	33,5	17,5	34,0	31,0	18,0	13,0	37,0	53,0	20,0	0,076	• • •			

MOUNTING PLATE

galvanized; to fix back plate elbows as double connection





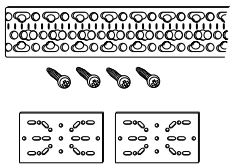
Systems: aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe
Material: iron, galvanized
Colour: zinc

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

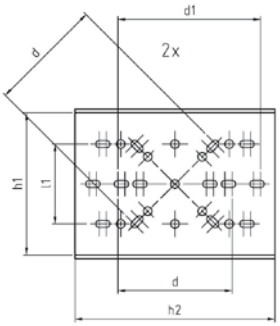
not suitable for connection with sound insulation plate (Art. no. 79080).
We recommend mounting rail Art. no. 79090.

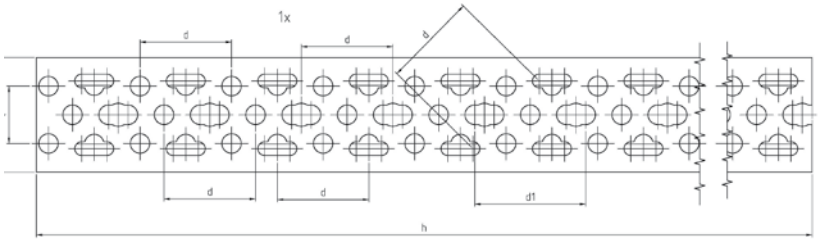
MOUNTING PLATE

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



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



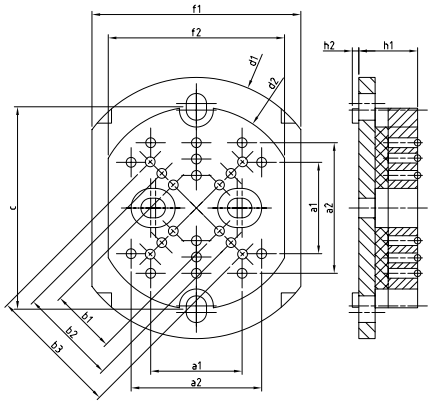


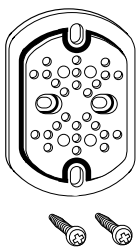
Art. no.	d [mm]	d1 [mm]	l [mm]	l1 [mm]	h [mm]	h1 [mm]	h2 [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
79090	**40**	50	25	28	560	70	70	0,546	• • •	1		

SOUND INSULATION PLATE

for aquatherm green pipe and aquatherm grey pipe back plate elbow

Systems: aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe
Material: PP
Colour: white

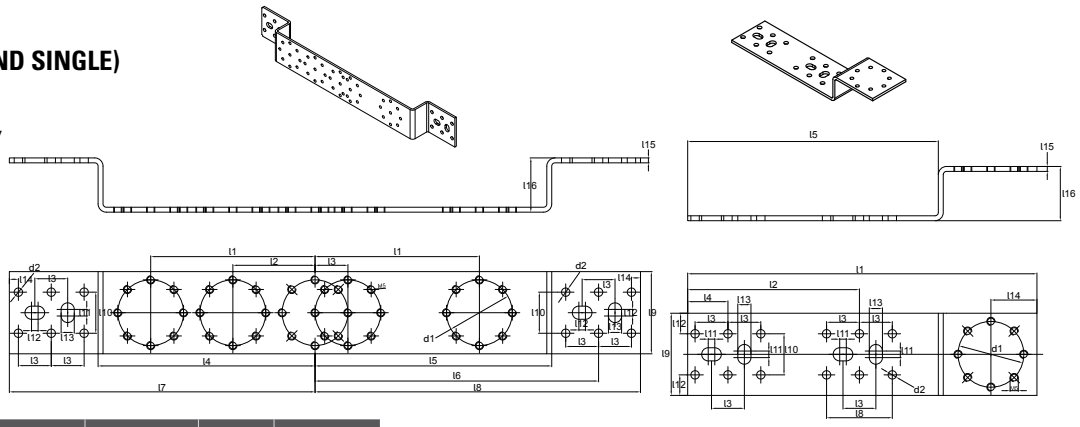




Art. no.	a1 [mm]	a2 [mm]	b1 [mm]	b2 [mm]	b3 [mm]	c [mm]	d1 [mm]	d2 [mm]	f1 [mm]	f2 [mm]	h1 [mm]	h2 [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
79080	28	20	30	40	62	62	80	62	64	54	18	2	0,058	• • •	2		

MOUNTING RAIL (DOUBLE AND SINGLE)

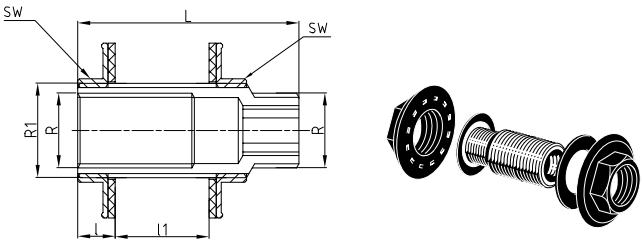
Systems: aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe
Material: iron, galvanized
Colour: zinc



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

DRY CONSTRUCTION WALL FITTING

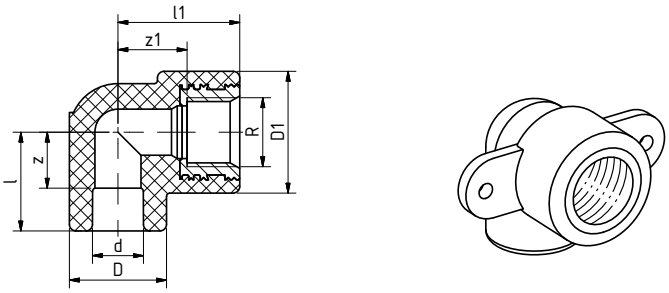
Systems: aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe
Material: brass



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

BACK PLATE ELBOW FOR DRY CONSTRUCTION

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

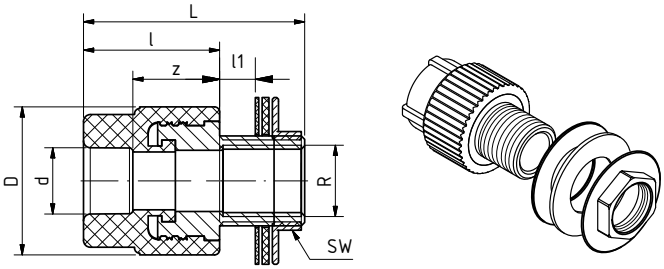


SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	D [mm]	l1 [mm]	z1 [mm]	D1 [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
							socket welding							
							brass							
6 7,4 11	**20156**	**16**	**1/2"**	30,0	17,0	29,5	37,0	24,0	37,0	0,081	•	10		
	20158	**20**	**1/2"**	30,0	15,5	29,5	37,0	24,0	37,0	0,079	• • •	10		
							stainless steel							
	920158	**20**	**1/2"**	30,0	15,5	29,5	37,0	24,0	37,0	0,078	• • •	10		

TRANSITION PIECE

with counternut, gasket and tension washer

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



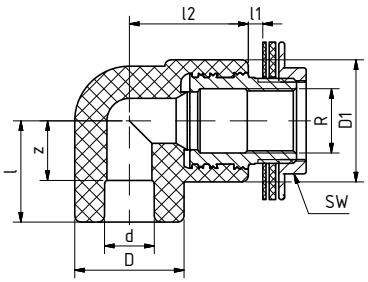
SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	D [mm]	l1 [mm]	L [mm]	SW [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
							socket welding							
6 7,4 11	**20204**	**20**	**1/2"**	40,0	25,5	43,5	13,5	65,0	29	0,204	• • •	10		

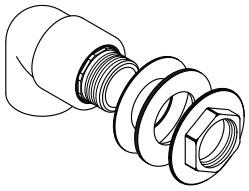
e.g. for connection of a cistern or application with mounting plate (Art. no. 60110–60115)

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



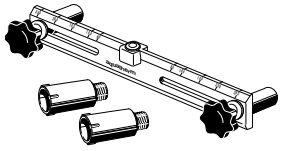


SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	D [mm]	l1 [mm]	l2 [mm]	D1 [mm]	SW [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
						socket welding									
6	**20206**	**16**	**1/2"**	37,0	24,0	29,5	3,5	35,0	44,0	29	0,201	•	10		
7,4	**20208**	**20**	**1/2"**	37,0	22,5	29,5	3,5	35,0	44,0	29	0,154	• • •	10		
11	**20209**	**25**	**1/2"**	37,0	21,0	34,0	3,5	37,0	44,0	29	0,206	• • •	10		

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

ASSEMBLING JIG

as water level with 2 plugs 1/2"



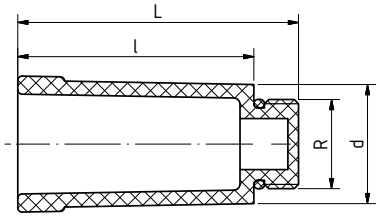
Systems: aquatherm green pipe aquatherm blue pipe, aquatherm lilac pipe
Material: Fusiolen® PP-R
Colour: green

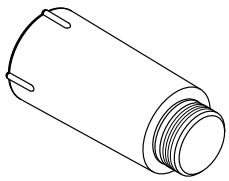
Art. no.	Weight [kg]	System	PU	Box unit	Price € m/pc
50700	0,252	• • •	1		

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



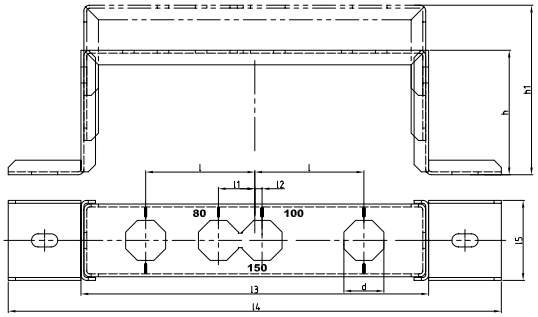


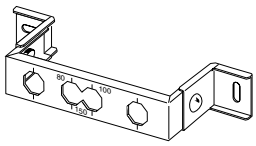
Art. no.	d [mm]	R	l [mm]	L [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
50708	**28**	**1/2"**	55,5	66,0	0,022	• • •	10		
50710	**34**	**3/4"**	55,5	66,0	0,027	• • •	10		

MOUNTING UNIT

double

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



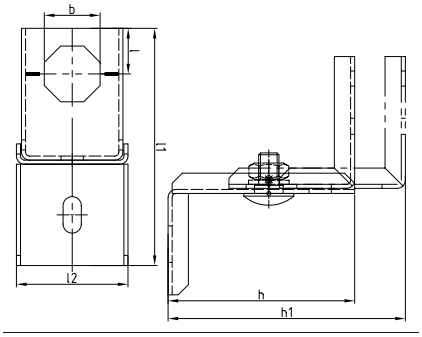


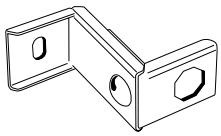
Art. no.	b [mm]	l [mm]	l1 [mm]	l2 [mm]	h [mm]	h1 [mm]	l3 [mm]	l4 [mm]	l5 [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
60110	27,5	75	25	5	92,5	122,5	239	339	55	0,630	• • •	1		

MOUNTING UNIT

single

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



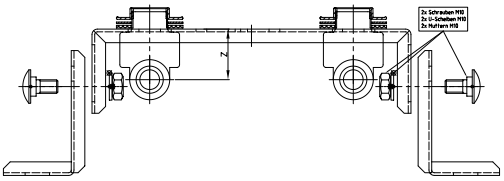


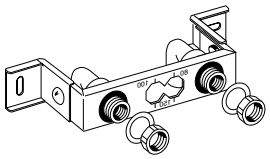
Art. no.	b [mm]	l [mm]	l1 [mm]	l2 [mm]	h [mm]	h1 [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
60115	27,5	118	22,5	55	92,5	122,5	0,278	• • •	1		

MOUNTING UNIT

with two aquatherm green pipe transition elbows (Art. no. 20208), with 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



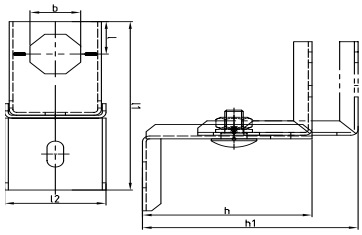


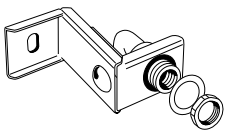
Art. no.	b [mm]	l [mm]	l1 [mm]	l2 [mm]	h [mm]	h1 [mm]	l3 [mm]	l4 [mm]	l5 [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
60150	27,5	75	25	5	92,5	122,5	239	339	55	0,942	• • •	1		

MOUNTING UNIT

with one aquatherm green pipe transition elbow (Art. no. 20208), with 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



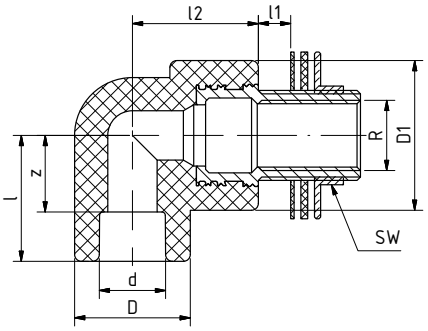


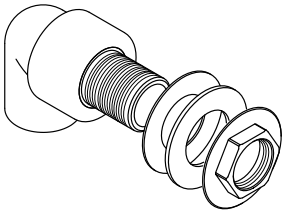
Art. no.	b [mm]	l [mm]	l1 [mm]	l2 [mm]	h [mm]	h1 [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
60155	27,5	22,5	118	55	92,5	122,5	0,434	• • •	1		

TRANSITION ELBOW

for plasterboard

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





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

with 30 mm thread, counternut, gasket and tension washer

TRANSITION PIECE WITH FEMALE THREAD

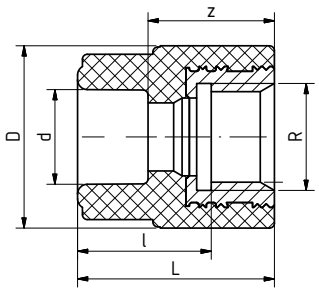
round

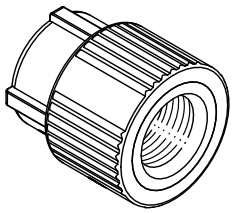
Systems: aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe

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

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



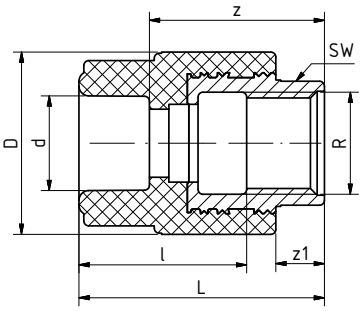


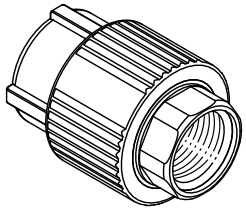
SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	D [mm]	L [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
						brass						
6 7,4 9 11	**21006**	**16**	**1/2"**	28,0	28,0	38,5	41,0	0,066	•	10		
	21008	**20**	**1/2"**	27,5	26,0	37,5	40,5	0,064	• • •	10	400	
	21010	**20**	**3/4"**	27,5	26,0	43,5	40,5	0,089	• • •	10	300	
	21011	**25**	**1/2"**	29,5	26,5	38,5	42,5	0,065	• • •	10	400	
	21012	**25**	**3/4"**	27,5	24,5	43,5	40,5	0,087	• • •	10	300	
	21013	**32**	**3/4"**	30,5	25,5	43,5	43,5	0,092	• • •	5	250	
						stainless steel						
	921008	**20**	**1/2"**	27,5	26,0	37,5	40,5	0,069	• • •	10		
	921010	**20**	**3/4"**	27,5	26,0	43,5	40,5	0,090	• • •	10		
	921011	**25**	**1/2"**	29,5	26,5	38,5	42,5	0,069	• • •	10		
	921012	**25**	**3/4"**	27,5	24,5	43,5	40,5	0,086	• • •	10		
	921013	**32**	**3/4"**	30,5	25,5	43,5	43,5	0,092	• • •	5		
	921014	**32**	**1/2"**	28,0	23,0	37,0	41,0	0,078	• • •	5		

TRANSITION PIECE WITH FEMALE THREAD

hex shaped threaded transition

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



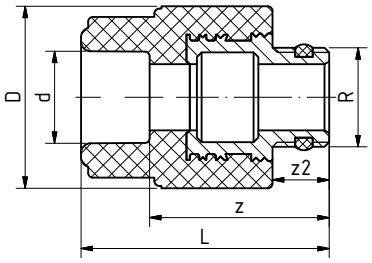


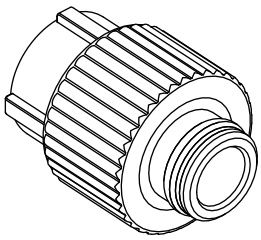
SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	z1 [mm]	D [mm]	L [mm]	SW [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
							brass							
	21106	**16**	**1/2"**	34,5	37,5	10,0	38,5	50,5	24	0,089	•	10		
	21108	**20**	**1/2"**	34,5	36,0	10,0	38,5	50,5	24	0,078	• • •	10	400	
	21110	**20**	**3/4"**	29,0	35,5	10,0	43,5	50,0	31	0,112	• • •	10	300	
	21111	**25**	**1/2"**	36,0	36,0	10,0	38,5	52,0	24	0,081	• • •	10	300	
	21112	**25**	**3/4"**	29,0	34,0	10,0	43,5	50,0	31	0,109	• • •	10	300	
	21113	**32**	**3/4"**	32,0	35,0	10,0	43,5	53,0	31	0,114	• • •	5	250	
	21114	**32**	**1"**	37,5	41,5	14,0	60,0	59,5	39	0,239	• • •	5	125	
	21115	**40**	**1"**	40,0	41,5	14,0	60,0	62,0	39	0,227	• • •	5		
	21116	**40**	**1 1/4"**	40,0	42,5	15,0	74,0	63,0	50	0,385	• • •	5		
	21117	**50**	**1 1/4"**	43,0	42,5	15,0	74,0	66,0	50	0,404	• • •	5		
6	**21118**	**50**	**1 1/2"**	45,0	43,5	15,0	84,0	67,0	55	0,418	• • •	5		
7,4	**21119**	**63**	**1 1/2"**	51,5	46,0	15,0	84,0	73,5	55	0,442	• • •	1		
9	**21120**	**63**	**2"**	51,0	49,5	19,0	101,0	77,0	67	0,600	• • •	1		
11	**21122**	**75**	**2"**	51,0	47,0	19,0	100,0	77,0	67	0,608	• • •	1		
							stainless steel							
	921114	**32**	**1"**	37,5	41,5	14,0	60,0	59,5	39	0,232	• • •	5		
	921115	**40**	**1"**	40,0	41,5	14,0	60,0	62,0	39	0,219	• • •	5		
	921116	**40**	**1 1/4"**	40,0	42,5	15,0	74,0	63,0	50	0,331	• • •	5		
	921117	**50**	**1 1/4"**	43,0	42,5	15,0	74,0	66,0	50	0,351	• • •	5		
	921118	**50**	**1 1/2"**	45,0	43,5	15,0	84,0	67,0	55	0,445	• • •	5		
	921119	**63**	**1 1/2"**	51,5	46,0	15,0	84,0	73,5	55	0,425	• • •	1		
	921120	**63**	**2"**	51,0	49,5	19,0	101,0	77,0	67	0,196	• • •	1		
	921122	**75**	**2"**	51,0	47,0	19,0	100,0	77,0	67	0,676	• • •	1		

TRANSITION PIECE WITH MALE THREAD

round, self sealing

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





SDR	Art. no.	d [mm]	R	L [mm]	z [mm]	z2 [mm]	D [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
6	**21258**	**20**	**1/2"**	52,5	38,0	12,0	38,5	0,090	• • •	10		
7,4	**21261**	**25**	**1/2"**	54,0	38,0	12,0	38,5	0,078	• • •	10		
11	**21262**	**25**	**3/4"**	53,5	37,5	13,0	38,5	0,085	• • •	10		

TRANSITION PIECE WITH MALE THREAD

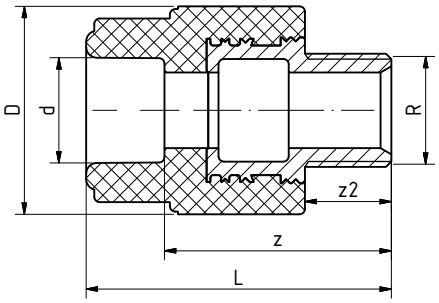
round

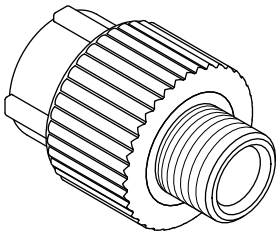
Systems: aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe

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

Standard: DIN 16962, DIN EN ISO 15874

Colour: green





SDR	Art. no.	d [mm]	R	L [mm]	z [mm]	z2 [mm]	D [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7,4 9 11						**brass**						
	21206	**16**	**1/2"**	56,5	43,5	16,0	38,5	0,097	•	10		
	21208	**20**	**1/2"**	56,5	42,0	16,0	38,5	0,084	• • •	10	350	
	21210	**20**	**3/4"**	57,5	43,0	17,0	38,5	0,109	• • •	10	300	
	21211	**25**	**1/2"**	58,0	42,0	16,0	38,5	0,085	• • •	10	300	
	21212	**25**	**3/4"**	57,5	41,5	17,0	38,5	0,090	• • •	10	350	
	21213	**32**	**3/4"**	59,5	41,5	17,0	38,5	0,095	• • •	5	250	
						stainless steel						
	921208	**20**	**1/2"**	56,5	42,0	16,0	38,5	0,096	• • •	10		
	921210	**20**	**3/4"**	57,5	43,0	17,0	38,5	0,108	• • •	10		
	921211	**25**	**1/2"**	58,0	42,0	16,0	38,5	0,098	• • •	10		
	921212	**25**	**3/4"**	57,5	41,5	17,0	38,5	0,108	• • •	10		
	921213	**32**	**3/4"**	59,5	41,5	17,0	38,5	0,115	• • •	5		

TRANSITION PIECE WITH MALE THREAD

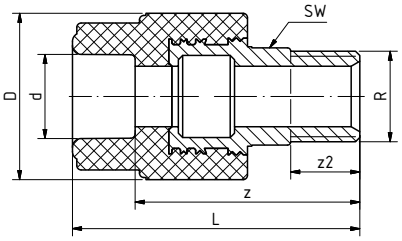
*with hexagon or *octagon*

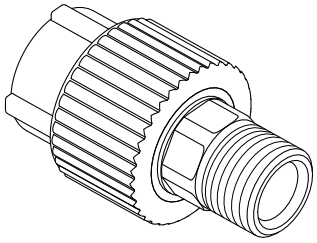
Systems: aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe

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

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



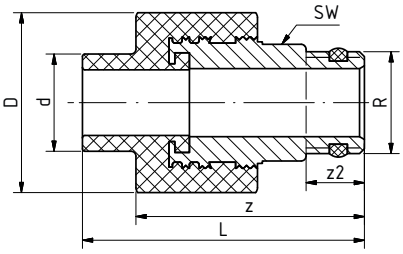


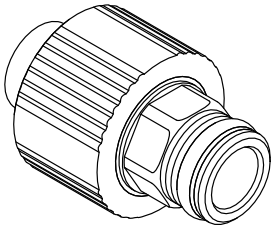
SDR	Art. no.	d [mm]	R	SW [mm]	L [mm]	z [mm]	z2 [mm]	D [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
							brass						
	21306	**16**	**1/2"**	22	66,5	53,5	16,0	38,5	0,119	•	10		
	21308	**20**	**1/2"**	22	66,5	52,0	16,0	38,5	0,104	• • •	10		
	21310	**20**	**3/4"**	24	67,5	53,0	18,0	38,5	0,129	• • •	10		
NEW	**21311**	**25**	**1/2"**	21	68,0	52,0	16,0	38,5	0,107	• • •	10		
	21312	**25**	**3/4"**	24	67,5	51,5	18,0	38,5	0,103	• • •	10	300	
	21314	**32**	**1"**	32	78,5	60,5	20,0	53,0	0,216	• • •	5	125	
	21316	**32**	**1 1/4"**	42	81,0	63,0	21,0	68,0	0,318	• • •	5	100	
	21317	**40**	**1"**	32	81,0	60,5	20,0	52,0	0,222	• • •	5	100	
	21318	**40**	**1 1/4"**	42	84,5	64,0	21,0	68,0	0,324	• • •	5	80	
	21319	**50**	**1 1/4"**	42	85,5	62,0	21,0	68,0	0,351	• • •	5		
	21320	**50**	**1 1/2"**	46	88,5	65,0	22,0	74,0	0,425	• • •	5		
	21321	**63**	**1 1/2"**	46	94,5	67,0	22,0	72,5	0,467	• • •	1		
6	**21322**	**63**	**2"**	50	102,5	75,0	23,5	84,0	0,685	• • •	1		
7,4	**21323**	**75**	**2"**	50	102,0	72,0	23,5	84,0	0,733	• • •	1		
9	**21324**	**75**	**2 1/2"**	65	105,0	75,0	26,7	100,0	0,970	• • •	1		
11	**21325***	**90**	**3"**	85	121,0	88,0	30,0	120,0	1,326	• • •	1		
	21327*	**110**	**4"**	105	148,0	111,0	39,0	147,0	2,730	• • •	1		
							stainless steel						
	921314	**32**	**1"**	32	78,5	60,5	20,0	53,0	0,204	• • •	5		
	921316	**32**	**1 1/4"**	41	81,0	63,0	21,0	68,0	0,360	• • •	5		
	921317	**40**	**1"**	32	81,0	60,5	20,0	52,0	0,251	• • •	5		
	921318	**40**	**1 1/4"**	41	84,5	64,0	21,0	68,0	0,362	• • •	5		
	921319	**50**	**1 1/4"**	41	85,5	62,0	21,0	68,0	0,389	• • •	5		
	921320	**50**	**1 1/2"**	46	88,5	65,0	22,0	74,0	0,480	• • •	5		
	921321	**63**	**1 1/2"**	46	94,5	67,0	22,0	72,5	0,523	• • •	1		
	921322	**63**	**2"**	50	102,5	75,0	23,5	84,0	0,708	• • •	1		
	921323	**75**	**2"**	50	102,0	72,0	23,5	84,0	0,699	• • •	1		

TRANSITION PIECE WITH MALE THREAD

self-sealing, with hex shaped threaded transition 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



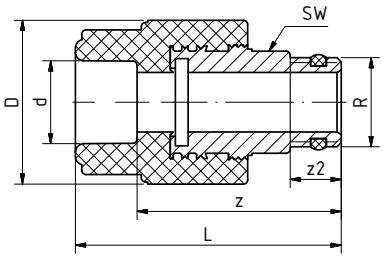


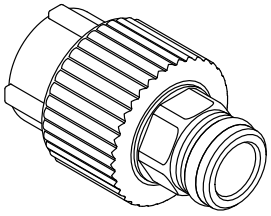
SDR	Art. no.	d [mm]	R	L [mm]	z [mm]	z2 [mm]	D [mm]	SW [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7,4 11	**21355**	**20**	**1/2"**	59,0	48,0	13,0	38,5	22	0,107	• • •	10		

TRANSITION PIECE WITH MALE THREAD

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

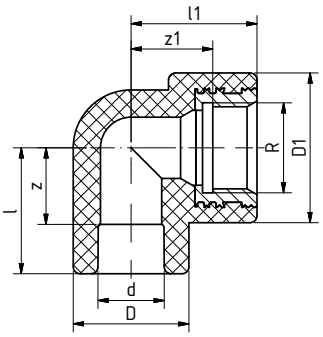


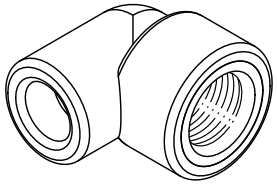


SDR	Art. no.	d [mm]	R	L [mm]	z [mm]	z2 [mm]	D [mm]	SW [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7,4	**21356**	**16**	**1/2"**	63,5	50,5	13,0	38,5	22	0,112	•	10		
11	**21358**	**20**	**1/2"**	63,5	49,0	13,0	38,5	22	0,111	• • •	10		

TRANSITION ELBOW WITH FEMALE THREAD

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

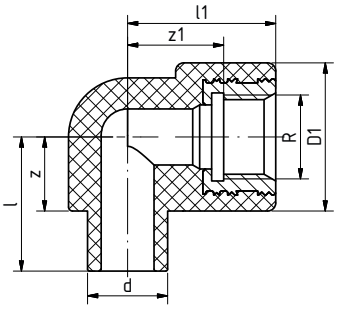


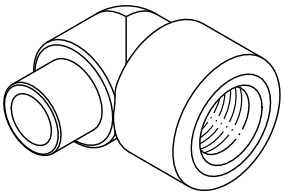


SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	D [mm]	l1 [mm]	z1 [mm]	D1 [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
							brass							
	23006	**16**	**1/2"**	31,5	18,5	29,5	37,0	24,0	37,0	0,072	•	10		
	23008	**20**	**3/4"**	37,0	22,5	34,0	37,0	24,0	44,0	0,102	• • •	10		
	23010	**20**	**1/2"**	31,0	16,5	29,5	31,5	18,5	37,0	0,076	• • •	10	300	
	23012	**25**	**3/4"**	37,0	21,0	34,0	37,0	24,0	44,0	0,100	• • •	10	200	
	23014	**25**	**1/2"**	33,5	17,5	34,0	31,5	18,5	37,0	0,075	• • •	10	250	
	23016	**32**	**3/4"**	27,5	9,5	43,0	51,0	38,0	44,0	0,104	• • •	5		
6	**23018**	**32**	**1"**	34,0	16,0	43,0	66,5	44,5	60,5	0,249	• • •	5		
7,4							**stainless steel**							
9														
11	**923008**	**20**	**3/4"**	37,0	22,5	29,5	37,0	24,0	37,0	0,095	• • •	10		
	923010	**20**	**1/2"**	31,0	16,5	29,5	31,5	18,5	37,0	0,081	• • •	10		
	923012	**25**	**3/4"**	37,0	21,0	34,0	37,0	24,0	44,0	0,101	• • •	10		
	923014	**25**	**1/2"**	33,5	17,5	34,0	31,5	18,5	37,0	0,082	• • •	10		
	923015	**32**	**1/2"**	35,0	17,0	43,0	37,0	24,0	37,0	0,112	• • •	5		
	923016	**32**	**3/4"**	27,5	9,5	43,0	51,0	38,0	44,0	0,097	• • •	5		
	923018	**32**	**1"**	34,0	16,0	43,0	66,5	44,5	60,5	0,240	• • •	5		

TRANSITION ELBOW WITH FEMALE THREAD

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

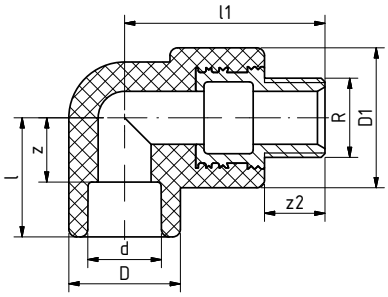


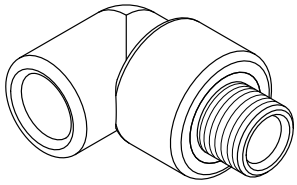


SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	l1 [mm]	z1 [mm]	D1 [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
6													
7,4	**23208**	**20**	**1/2"**	33,5	18,5	37,0	24,0	37,0	0,076	• • •	10		
11													

TRANSITION ELBOW WITH MALE THREAD

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

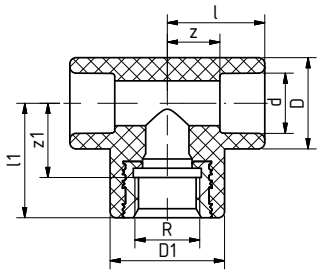


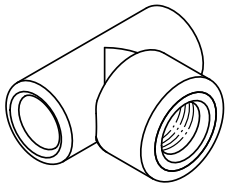


SDR	Art. no.	d [mm]	R	l [mm]	l1 [mm]	z [mm]	z2 [mm]	D [mm]	D1 [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
							brass							
	23504	**16**	**1/2"**	31,5	53,0	18,5	16,0	29,5	37,0	0,109	•	10		
	23506	**20**	**1/2"**	31,5	53,0	17,0	16,0	29,5	37,0	0,108	• • •	10		
	23508	**20**	**3/4"**	31,5	54,0	17,0	17,0	34,0	38,0	0,128	• • •	10		
	23510	**25**	**3/4"**	31,5	54,0	15,5	17,0	34,0	38,0	0,104	• • •	10		
6	**23512**	**32**	**3/4"**	27,5	68,0	9,5	17,0	43,0	38,0	0,112	• • •	5		
7,4	**23514**	**32**	**1"**	31,0	85,5	13,0	20,0	43,0	52,0	0,231	• • •	5		
9							**stainless steel**							
11	**923506**	**20**	**1/2"**	31,5	53,0	17,0	16,0	29,5	37,0	0,035	• • •	10		
	923508	**20**	**3/4"**	31,5	54,0	17,0	17,0	34,0	38,0	0,123	• • •	10		
	923510	**25**	**3/4"**	31,5	54,0	15,5	17,0	34,0	38,0	0,121	• • •	10		
	923512	**32**	**3/4"**	27,5	68,0	9,5	17,0	43,0	38,0	0,128	• • •	5		

THREADED BRANCH TEE WITH FEMALE THREAD

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

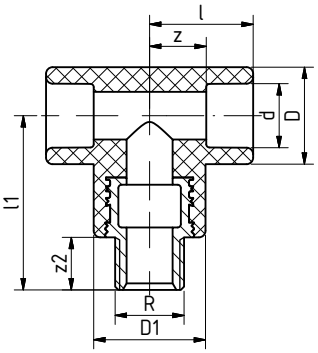


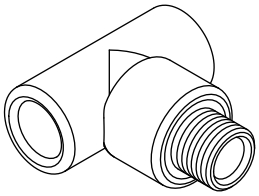


SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	D [mm]	l1 [mm]	z1 [mm]	D1 [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
							brass							
	25004	**16**	**1/2"**	31,5	18,5	29,5	37,0	24,0	37,0	0,089	•	10		
	25006	**20**	**1/2"**	31,5	17,0	29,5	37,0	24,0	37,0	0,086	• • •	10	250	
	25008	**20**	**3/4"**	37,0	22,5	34,0	37,0	24,0	44,0	0,121	• • •	10	170	
	25010	**25**	**1/2"**	34,5	18,5	34,0	38,0	25,0	37,0	0,090	• • •	10	200	
	25012	**25**	**3/4"**	37,0	21,0	34,0	37,0	24,0	44,0	0,109	• • •	10	150	
	25013	**32**	**1/2"**	35,0	17,0	43,0	37,0	24,0	37,0	0,103	• • •	5		
	25014	**32**	**3/4"**	27,5	9,5	43,0	51,0	38,0	44,0	0,111	• • •	5		
	25016	**32**	**1"**	31,5	13,5	43,0	67,0	45,0	60,0	0,255	• • •	5		
	25018	**40**	**1/2"**	41,5	21,0	52,0	40,0	27,0	37,0	0,142	• • •	5		
	25019	**40**	**3/4"**	40,5	20,0	52,0	40,5	27,5	52,0	0,147	• • •	5		
6	**25020**	**40**	**1"**	41,5	21,0	52,0	56,0	34,0	60,0	0,276	• • •	5		
7,4	**25022**	**50**	**1"**	49,5	26,0	68,0	63,5	41,5	68,3	0,385	• • •	5		
9	**25030**	**50**	**1/2"**	49,5	26,0	68,0	44,5	31,5	43,0	0,237	• • •	5		
11	**25031**	**50**	**3/4"**	49,5	26,0	68,0	44,5	31,5	43,0	0,243	• • •	5		
							stainless steel							
	925006	**20**	**1/2"**	31,5	17,0	29,5	37,0	24,0	37,0	0,087	• • •	10		
	925008	**20**	**3/4"**	37,0	22,5	34,0	37,0	24,0	44,0	0,108	• • •	10		
	925010	**25**	**1/2"**	34,5	18,5	34,0	38,0	25,0	37,0	0,093	• • •	10		
	925012	**25**	**3/4"**	37,0	21,0	34,0	37,0	24,0	44,0	0,111	• • •	10		
	925013	**32**	**1/2"**	35,0	17,0	43,0	37,0	24,0	37,0	0,113	• • •	5		
	925014	**32**	**3/4"**	27,5	9,5	43,0	51,0	38,0	44,0	0,111	• • •	5		
	925016	**32**	**1"**	31,5	13,5	43,0	67,0	45,0	60,0	0,082	• • •	5		

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



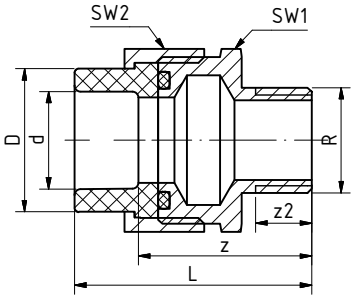


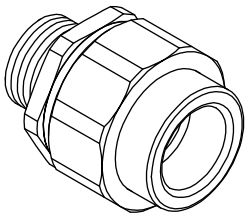
SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	D [mm]	z2 [mm]	D1 [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 11	**25506**	**20**	**1/2"**	31,5	17,0	29,5	16,0	37,0	0,102	• • •	10		

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



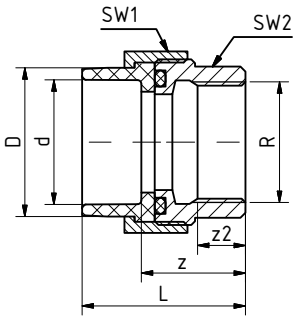


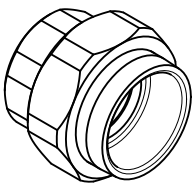
SDR	Art. no.	d [mm]	R	L [mm]	z [mm]	z2 [mm]	D [mm]	SW1 [mm]	SW2 [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7,4 9 11	**26608**	**20**	**1/2"**	52,5	38,0	13,5	27,5	34	36	0,145	• • •	1		
	26610	**25**	**3/4"**	59,5	43,5	14,5	36,0	42	46	0,243	• • •	1		
	26612	**32**	**1"**	64,5	46,5	16,8	41,5	48	52	0,336	• • •	1		
	26614	**40**	**1 1/4"**	70,0	49,5	19,1	53,0	60	64	0,632	• • •	1		
	26616	**50**	**1 1/2"**	84,8	61,3	22,0	59,0	48	72	0,624	• • •	1		
	26618	**63**	**2"**	95,5	68,0	25,0	74,0	62	89	1,045	• • •	1		

TRANSITION COUPLING WITH FEMALE THREAD

with union nut and welding socket

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





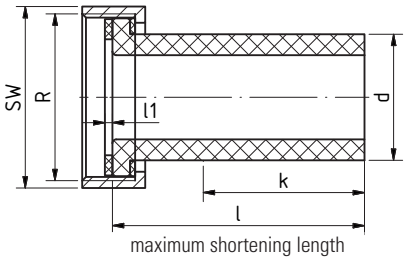
SDR	Art. no.	d [mm]	R	z [mm]	z2 [mm]	D [mm]	L [mm]	SW1 [mm]	SW2 [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7,4 9 11	**26638**	**20**	**1/2"**	30,5	15,0	27,5	45,0	36	24	0,112	• • •	1		
	26640	**25**	**3/4"**	33,0	15,5	36,0	49,0	46	32	0,193	• • •	1		
	26642	**32**	**1"**	36,0	15,0	41,5	54,0	52	40	0,291	• • •	1		
	26644	**40**	**1 1/4"**	36,0	20,0	53,0	56,5	64	47	0,423	• • •	1		
	26646	**50**	**1 1/2"**	41,3	19,0	59,0	64,8	72	57	0,610	• • •	1		
	26648	**63**	**2"**	47,0	18,0	74,0	74,5	89	68	0,924	• • •	1		

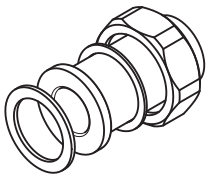
Notice: aquatherm green pipe metal compound fittings are manufactured from fusiolen PP-R and brass. Metal inserts, without hex shaped spanner flat, with 1/2" and 3/4" f are also available in stainless steel.

LOOSE NUT ADAPTER

length: 100 mm, with gasket

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



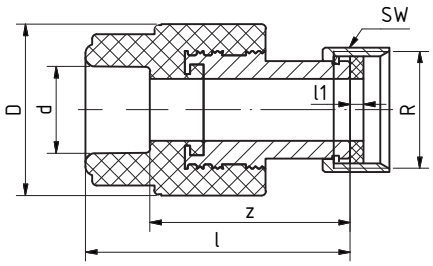


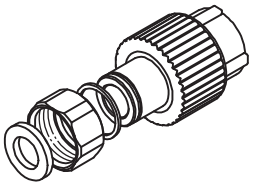
SDR	Art. no.	d [mm]	Nut R	l [mm]	l1 [mm]	k [mm]	SW [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7,4 9 11	**26708**	**20**	**1“**	100,0	3,0	65,0	36	0,079	• • •	1		
	26710	**25**	**1 1/4“**	100,0	3,0	62,0	46	0,104	• • •	1		
	26712	**32**	**1 1/2“**	100,0	3,0	58,0	52	0,175	• • •	1		
	26714	**40**	**2“**	100,0	3,0	53,0	64	0,258	• • •	1		
	26716	**50**	**2 1/4“**	100,0	3,0	49,0	72	0,344	• • •	1		
	26718	**63**	**2 3/4“**	100,0	3,0	43,0	89	0,583	• • •	1		
	26720	**75**	**3 1/2“**	100,0	3,0	34,0	110	0,918	• • •	1		
	26722	**90**	**4“**	100,0	3,0	26,0	120	1,238	• • •	1		

WATER METER NUT ADAPTER

with gasket

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



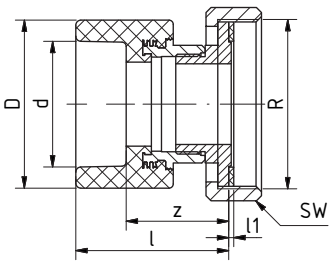


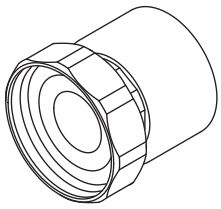
SDR	Art. no.	d [mm]	l [mm]	l1 [mm]	z [mm]	D [mm]	R	SW [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7,4 9 11	**26808**	**20**	59,5	3,0	45,0	38,5	3/4“	30	0,136	• • •	1		
	26810	**25**	61,0	3,0	45,0	38,5	3/4“	30	0,155	• • •	1		
	26812	**32**	62,0	3,0	44,0	43,5	3/4“	30	0,162	• • •	1		

NUT ADAPTER

ISO-standard

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



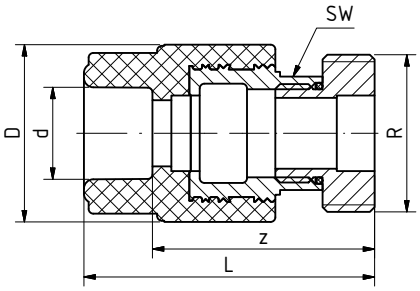


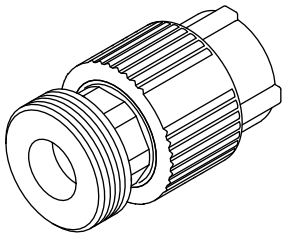
SDR	Art. no.	d [mm]	Nut R	l [mm]	l1 [mm]	z [mm]	D [mm]	SW [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7,4 9 11	**27010**	**20**	**1“**	58,5	3,0	34,0	38,5	36	0,182	• • •	10		
	27011	**25**	**1“**	60,0	3,0	44,0	38,5	36	0,186	• • •	10		
	27012	**25**	**1 1/4“**	60,0	3,0	44,0	43,5	46	0,274	• • •	10		
	27013	**32**	**1 1/4“**	63,0	3,0	45,0	43,5	46	0,279	• • •	5		
	27014	**32**	**1 1/2“**	69,5	3,0	51,5	60,0	52	0,446	• • •	5		
	27015	**40**	**1 1/2“**	72,0	3,0	51,5	60,0	52	0,421	• • •	5		
	27016	**40**	**2“**	72,0	3,0	51,5	74,0	64	0,719	• • •	5		
	27017	**50**	**2“**	77,0	3,0	53,5	74,0	64	0,736	• • •	5		
	27018	**50**	**2 1/4“**	77,0	3,0	53,5	84,0	72	0,831	• • •	5		
	27019	**63**	**2 1/4“**	83,5	3,0	56,0	84,0	72	0,889	• • •	1		
	27020	**63**	**2 3/4“**	82,5	3,0	55,0	101,0	89	1,306	• • •	1		
	27021	**75**	**2 3/4“**	85,0	3,0	55,0	100,0	89	1,275	• • •	1		
	27022	**75**	**3 1/2“**	91,0	3,0	61,0	100,0	110	1,818	• • •	1		

COUNTERPART

with welding socket and male thread for ISO-standard adapter

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



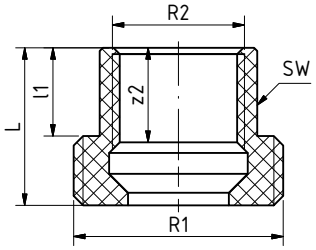


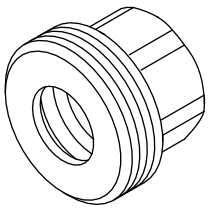
SDR	Art. no.	d [mm]	Thread R	L [mm]	z [mm]	D [mm]	SW [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7,4 9 11	**27310**	**20**	**1"**	61,5	47,0	37,5	24	0,151	• • •	10		
	27311	**25**	**1"**	63,0	47,0	37,5	24	0,153	• • •	10		
	27312	**25**	**1 1/4"**	63,0	47,0	43,5	31	0,221	• • •	10		
	27313	**32**	**1 1/4"**	66,0	48,0	43,5	31	0,226	• • •	5		
	27314	**32**	**1 1/2"**	76,5	58,5	60,0	39	0,408	• • •	5		
	27315	**40**	**1 1/2"**	79,0	58,5	60,0	39	0,414	• • •	5		
	27316	**40**	**2"**	79,0	58,5	74,0	50	0,650	• • •	5		
	27317	**50**	**2"**	82,0	58,5	74,0	50	0,634	• • •	5		
	27318	**50**	**2 1/4"**	83,0	59,5	84,0	55	0,750	• • •	5		
	27319	**63**	**2 1/4"**	89,5	62,0	84,0	55	0,728	• • •	1		
	27320	**63**	**2 3/4"**	95,0	65,5	101,0	67	1,093	• • •	1		
	27321	**75**	**2 3/4"**	95,0	65,0	100,0	67	1,117	• • •	1		
	27322	**75**	**3 1/2"**	100,0	70,0	100,0	67	1,436	• • •	1		

BRASS COUNTERPART

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

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





SDR	Art. no.	Male thread R1	Female thread R2	L [mm]	l1 [mm]	z2 [mm]	SW [mm]	Weight [kg]	Sys-tem	PU	Box unit	Price € m/pc
6 7,4 9 11	**27510**	**1"**	**1/2"**	25,0	14,0	15,0	25	0,063	• • •	10		
	27512	**1 1/4"**	**3/4"**	26,0	12,5	14,0	32	0,119	• • •	10		
	27514	**1 1/2"**	**1"**	31,0	15,0	17,0	40	0,175	• • •	5		
	27516	**2"**	**1 1/4"**	33,0	17,0	22,0	47	0,263	• • •	5		
	27518	**2 1/4"**	**1 1/2"**	36,0	20,0	19,0	57	0,333	• • •	5		
	27520	**2 3/4"**	**2"**	42,0	24,0	24,0	68	0,517	• • •	1		
	27522	**3 1/2"**	**2 1/2"**	46,0	24,0	27,0	84	0,801	• • •	1		
	27524	**4"**	**3"**	46,0	27,0	27,0	97	0,943	• • •	1		

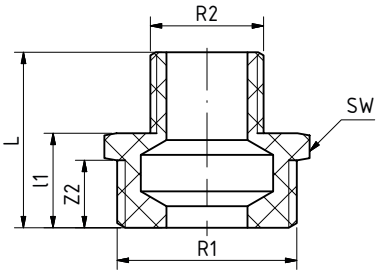
Notice: aquatherm green pipe metal compound fittings are manufactured from fusiolen PP-R and brass. Metal inserts, without hex shaped spanner flat, with 1/2" and 3/4" f are also available in stainless steel.

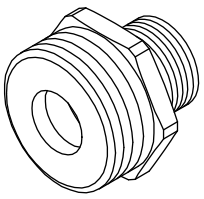
BRASS COUNTERPART

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

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

Material: brass





SDR	Art. no.	Thread R1	Thread R2	L [mm]	l1 [mm]	z2 [mm]	SW [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7,4 9 11	**27710**	**1"**	**1/2"**	32,5	17,5	10,5	34	0,109	• • •	10		
	27712	**1 1/4"**	**3/4"**	38,5	21,0	12,5	42	0,188	• • •	10		
	27714	**1 1/2"**	**1"**	41,5	22,5	13,5	48	0,211	• • •	5		
	27716	**2"**	**1 1/4"**	44,5	22,5	13,0	60	0,363	• • •	5		
	27718	**2 1/4"**	**1 1/2"**	56,0	34,0	16,0	48	0,472	• • •	5		
	27720	**2 3/4"**	**2"**	63,0	38,0	16,0	62	0,803	• • •	1		
	27722	**3 1/2"**	**2 1/2"**	70,0	42,0	22,0	82	1,189	• • •	1		
	27724	**4"**	**3"**	74,0	42,0	22,0	97	1,398	• • •	1		

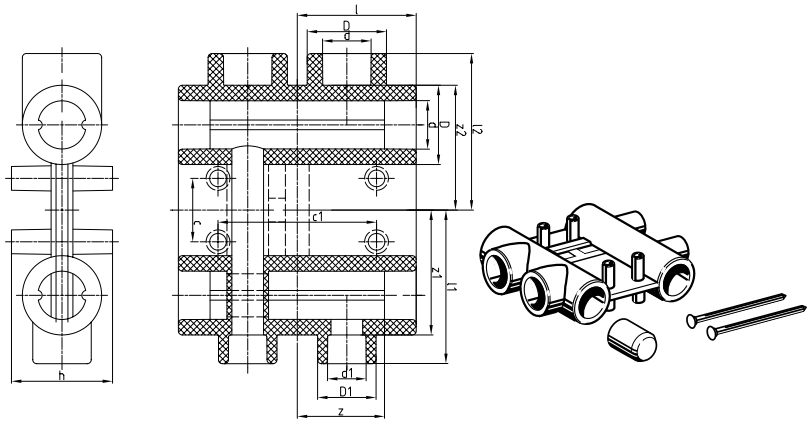
DISTRIBUTION BLOCK PLUMBING

including 1 plug and 2 fastenings

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

Material: Fusiolen® PP-R

Colour: green



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

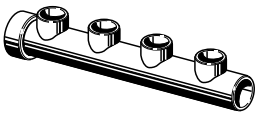
FOUR-PORT MANIFOLD

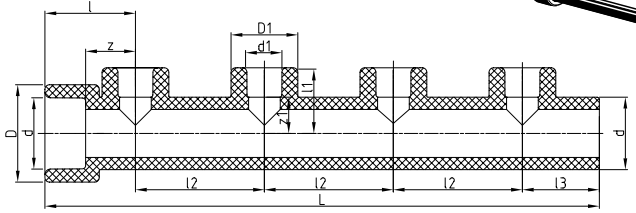
length: 246 mm, with 4 branches

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

Material: Fusiolen® PP-R

Colour: green





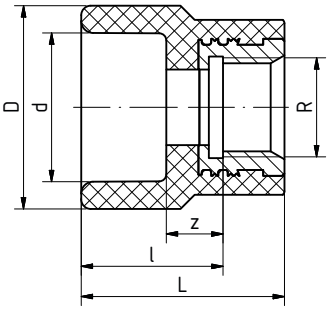
SDR	Art. no.	d [mm]	d1 [mm]	l [mm]	z [mm]	D [mm]	l1 [mm]	z1 [mm]	D1 [mm]	l2 [mm]	l3 [mm]	L [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4	**30602**	**32**	**16**	40	22	43	29	16	29,5	57	36	245	0,148	•	1		
9 11	**30604**	**32**	**20**	40	22	43	29	14,5	29,5	57	36	245	0,134	• • •	1		

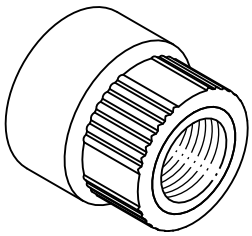
The four-port manifold can be shortened or extended by fusion with further four-port manifolds, if required.

MANIFOLD END PIECE WITH FEMALE THREAD*

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

Colour: green





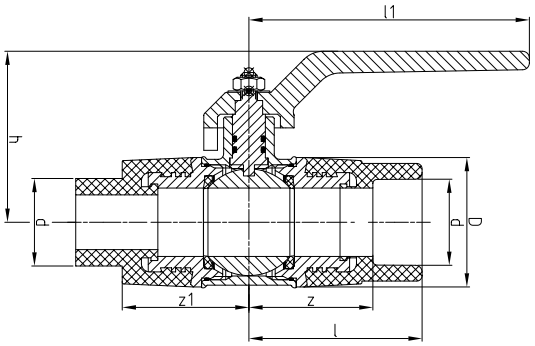
SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	D [mm]	L [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11	**30804**	**32**	**1/2“**	30,0	12,0	43,0	43,0	0,073	• • •	1		

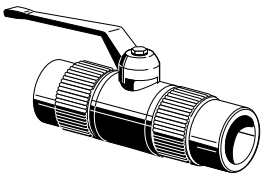
* transition piece as manifold endpiece with female thread

BALL VALVE FOR MANIFOLD

female/male

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



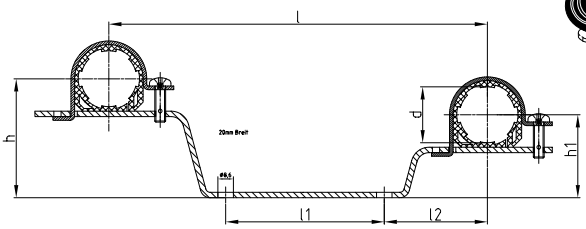


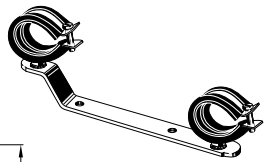
SDR	Art. no.	d [mm]	l [mm]	z [mm]	D [mm]	z1 [mm]	h [mm]	l1 [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11	**78000**	**32**	63,0	45,0	47,5	46,5	78,0	108,0	0,575	• • •	2		

SUPPORTING STRAP FOR FOUR-PORT MANIFOLD

with clamps, galvanized, double

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



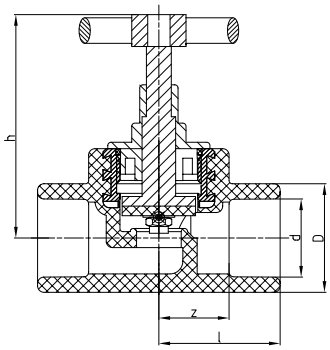


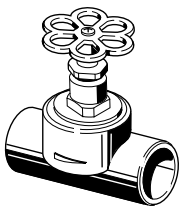
Art. no.	d [mm]	l [mm]	l1 [mm]	l2 [mm]	h [mm]	h1 [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
60210	**32**	210,0	80,0	57,0	66,0	46,0	0,226	• • •	2		

GLOBE VALVE

for surface installation

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



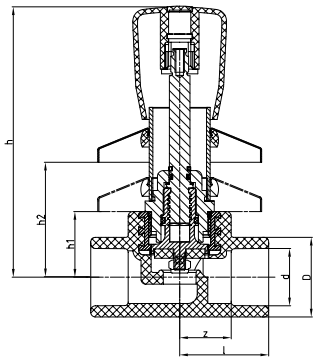


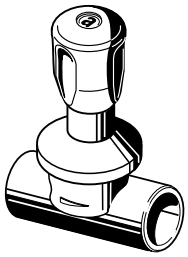
SDR	Art. no.	d [mm]	l [mm]	z [mm]	D [mm]	h [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11	**40808**	**20**	35,0	20,5	29,5	75,3	0,165	• • •	1	100	
	40810	**25**	38,0	22,0	34,0	75,0	0,172	• • •	1	100	
	40812	**32**	49,0	31,0	43,0	97,0	0,314	• • •	1	60	
	40814	**40**	60,0	39,5	52,0	111,5	0,585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

CONCEALED VALVE

chromium plated

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



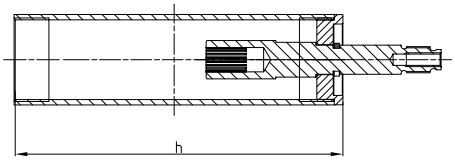


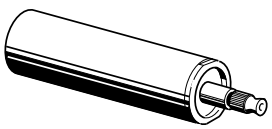
SDR	Art. no.	d [mm]	l [mm]	z [mm]	D [mm]	h [mm]	h1 [mm]	h2 [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11	**40858**	**20**	35,0	20,5	29,5	116,0	28,0	59,0	0,319	• • •	1		
	40860	**25**	38,0	22,0	34,0	116,0	28,0	59,0	0,330	• • •	1		
	40862	**32**	49,0	31,0	43,0	121,0	34,0	59,0	0,416	• • •	1		

EXTENSION FOR CONCEALED VALVE

chromium-plated for Art. no. 40858–40862

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



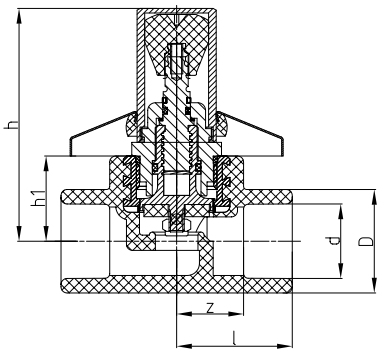


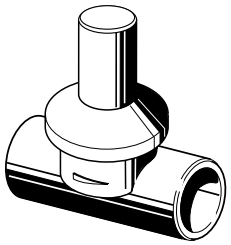
Art. no.	h [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
40900	92,0	0,148	• • •	1		
40902	132,0	0,209	• • •	1		

CONCEALED VALVE

tamper proof/chromium-plated/short design

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



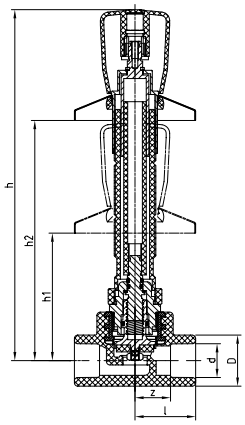


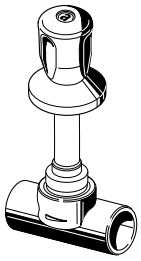
SDR	Art. no.	d [mm]	l [mm]	z [mm]	D [mm]	h [mm]	h1 [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
6	**40868**	**20**	35,0	20,5	29,5	71,5	28,0	0,258	• • •	1		
7.4 9	**40870**	**25**	38,0	22,0	34,0	72,0	28,0	0,288	• • •	1		
11	**40872**	**32**	49,0	31,0	43,0	82,5	34,0	0,376	• • •	1		

CONCEALED VALVE

suitable for construction depth of 55 mm to 100 mm

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



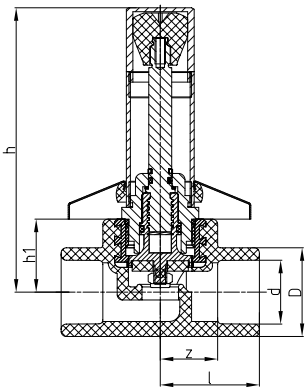


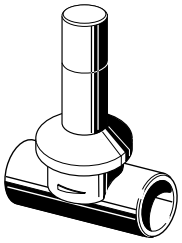
SDR	Art. no.	d [mm]	l [mm]	z [mm]	D [mm]	h [mm]	h1 [mm]	h2 [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
6	**40878**	**20**	35,0	20,5	29,5	213,0	59,0	147,0	0,357	• • •	1		
7.4 9	**40880**	**25**	38,0	22,0	34,0	213,0	59,0	147,0	0,369	• • •	1		
11	**40882**	**32**	49,0	31,0	43,0	219,0	65,0	153,0	0,455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

CONCEALED VALVE

tamper proof, chromium-plated

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

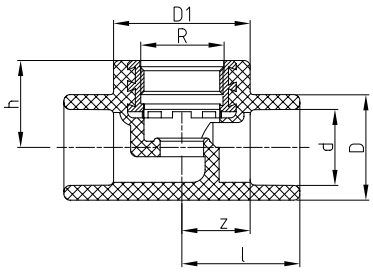


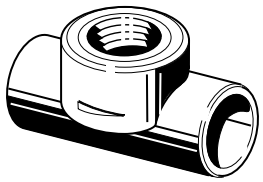


SDR	Art. no.	d [mm]	l [mm]	z [mm]	D [mm]	h [mm]	h1 [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
6	**40888**	**20**	35,0	20,5	29,5	109,0	28,0	0,342	• • •	1		
7.4 9	**40890**	**25**	38,0	22,0	34,0	109,0	28,0	0,350	• • •	1		
11	**40892**	**32**	49,0	31,0	43,0	115,0	34,0	0,432	• • •	1		

STOP VALVE BODY

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



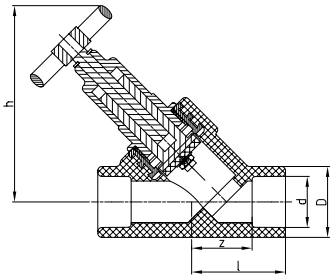


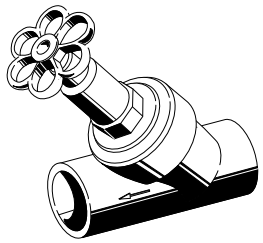
SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	D [mm]	h [mm]	D1 [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11	**40908**	**20**	**3/4"**	35,0	20,0	29,5	28,0	44,0	0,093	• • •	1		
	40910	**25**	**3/4"**	38,0	22,0	34,0	28,0	44,0	0,101	• • •	1		
	40912	**32**	**1"**	49,0	31,0	43,0	34,0	52,0	0,146	• • •	1		
	40914	**40**	**1 1/4"**	60,0	39,5	52,0	41,0	69,0	0,313	• • •	1		

INCLINED VALVE

without drain

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



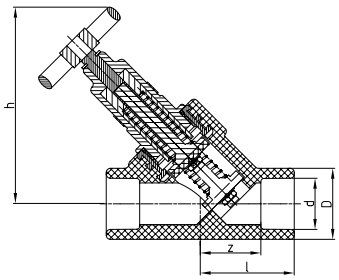


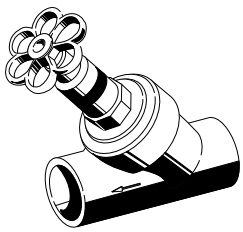
SDR	Art. no.	d [mm]	l [mm]	z [mm]	D [mm]	h [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11	**41108**	**20**	45,0	30,5	34,0	95,5	0,294	• • •	1		
	41110	**25**	45,0	29,0	34,0	95,5	0,283	• • •	1		
	41112	**32**	56,0	38,0	43,0	111,5	0,421	• • •	1		
	41114	**40**	65,0	44,5	52,0	135,0	0,834	• •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

NON-RETURN VALVE

without drain

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

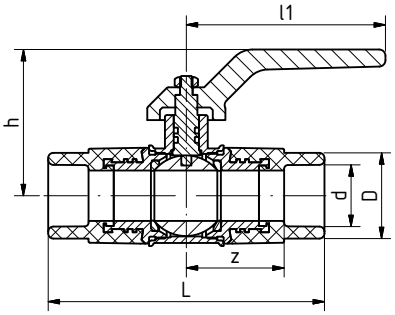


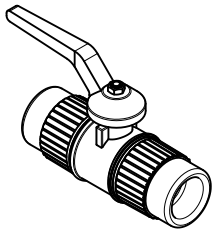


SDR	Art. no.	d [mm]	l [mm]	z [mm]	D [mm]	h [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11	**41208**	**20**	45,0	30,5	34,0	95,5	0,297	• • •	1		
	41210	**25**	45,0	29,0	34,0	95,5	0,292	• • •	1		
	41212	**32**	56,0	38,0	43,0	111,5	0,432	• • •	1		
	41214	**40**	65,0	44,5	52,0	135,0	0,840	• •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

BALL VALVE PP/BRASS

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



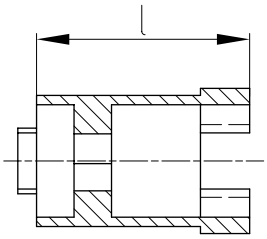


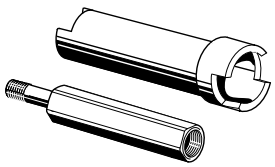
SDR	Art. no.	d [mm]	L [mm]	z [mm]	D [mm]	h [mm]	l1 [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7,4 9 11	**41308**	**20**	110,00	40,50	29,50	56,00	79,00	0,280	• • •	1		
	41310	**25**	110,00	39,00	34,00	58,00	79,00	0,375	• • •	1		
	41312	**32**	127,00	45,50	43,00	66,00	103,00	0,592	• • •	1		
	41314	**40**	145,00	52,00	52,00	71,00	104,00	1,015	• • •	1		
	41316	**50**	167,00	60,00	68,00	79,00	140,00	1,689	• • •	1		
	41318	**63**	205,00	75,00	84,00	88,00	140,00	2,874	• • •	1		

EXTENSION FOR AQUATHERM GREEN PIPE BALL VALVE

chromium-plated for Art. no. 41308–41318

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



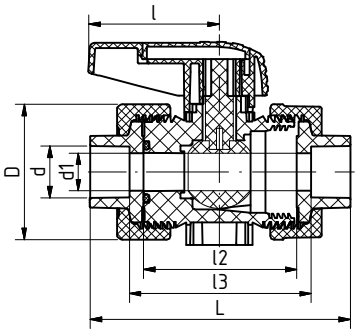


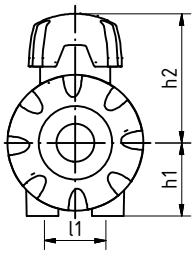
Art. no.	l [mm]	for Art. no.	Weight [kg]	System	PU	Box unit	Price € m/pc
41378	35,0	41308-41310	0,120	• • •	1		
41382	35,0	41312-41314	0,120	• • •	1		
41386	46,0	41316-41318	0,273	• • •	1		

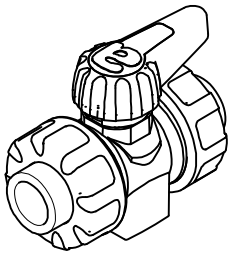
PP-BALL VALVE

with union nut and welding socket

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



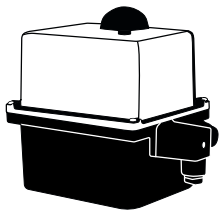




SDR	Art. no.	d [mm]	d1 [mm]	D [mm]	h1 [mm]	h2 [mm]	l1 [mm]	l2 [mm]	l3 [mm]	L [mm]	l [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7,4 9 11	**41488**	**20**	13,5	50,3	27,0	48,0	25,0	56,5	68,0	97,0	48,0	0,118	• • •	1		
	41490	**25**	18,5	59,0	30,0	56,5	25,0	65,5	78,0	110,0	59,0	0,184	• • •	1		
	41492	**32**	23,9	70,3	40,0	64,5	26,0	72,0	84,5	120,5	59,0	0,274	• • •	1		
	41494	**40**	31,0	85,9	46,0	83,3	45,0	85,0	100,0	141,0	63,5	0,483	• • •	1		
	41496	**50**	38,5	99,5	55,0	89,4	45,0	89,0	107,0	154,0	63,5	0,648	• • •	1		
	41498	**63**	50,0	125,5	70,0	115,0	45,0	101,0	118,0	173,0	108,0	1,206	• • •	1		

ELECTRICAL DRIVE FOR BALL VALVE

incl. fixtures
For Art. no. 41488–41498



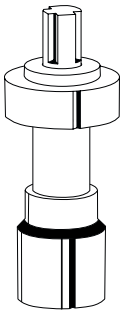
Systems: aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe

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

Delivery time: on request

EXTENSION FOR BALL VALVE

For Art. no. 41488–41498



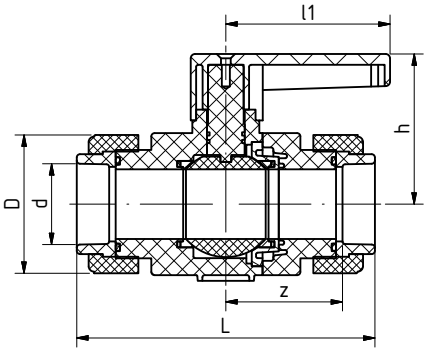
Systems: aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe
Material: PVC
Colour: grey

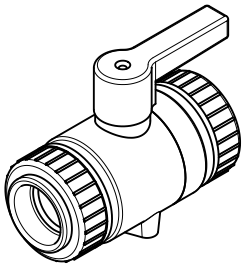
Art. no.	l [mm]	for Art. no.	Weight [kg]	System	PU	Box unit	Price € m/pc
98900	100	41488	0,020	• • •	1		
98901	100	41490/41492	0,025	• • •	1		
98902	100	41494/41496	0,030	• • •	1		
98903	100	41498	0,040	• • •	1		

Delivery time: on request

PP-BALL VALVE

with union nut and welding socket





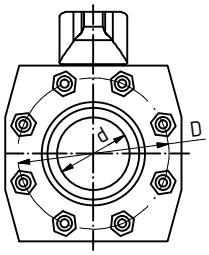
Systems: aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe
Material: Fusiolen® PP-R
Colour: green

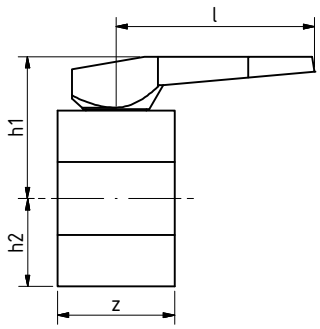
SDR	Art. no.	d [mm]	L [mm]	z [mm]	D [mm]	h [mm]	l1 [mm]	Inch R	DN	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11	**41400**	**75**	276,0	108,0	129,0	139,0	152,0	0,00	65	2,441	• • •	1		

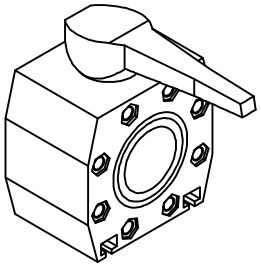
PP-BALL VALVE

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 [mm]	d [mm]	l [mm]	z [mm]	D [mm]	h1 [mm]	h2 [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11	**41602**	**90**	77,0	210,0	124,0	160,0	150,0	93,0	4,196	• • •	1		
	41604	**110**	94,0	260,0	145,0	180,0	165,0	103,0	5,612	• • •	1		
	41607	**160**	135,0	310,0	205,0	240,0	210,0	136,5	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)

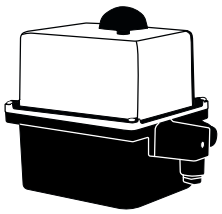
Hexagon screw M 16x60 mm for Art. no. 41602/41604
Hexagon screw M 20x80 mm for Art. no. 41607
corresponding flat washer M 16

NOTICE: These are not included in delivery.

ELECTRICAL DRIVE FOR BALL VALVE

incl. fixtures
For Art. no. 41602–41607

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



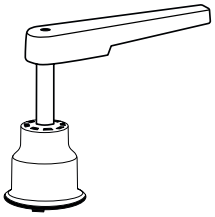
Art. no.	Dimension [mm]	for Art. no.	Weight [kg]	System	PU	Box unit	Price € m/pc
			230 Volt				
41603	**90**	incl. fixtures for 41602	3,300	• • •	1		
41605	**110**	incl. fixtures for 41604	3,400	• • •	1		
41608	**160**	incl. fixtures for 41607	3,700	• • •	1		
			24 Volt				
41703	**90**	incl. fixtures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

Delivery time: on request

EXTENSION FOR BALL VALVE

For Art. no. 41602–41607

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



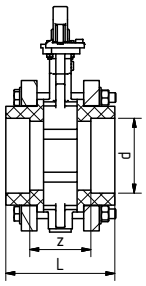
Art. no.	l [mm]	for Art. no.	Weight [kg]	System	PU	Box unit	Price € m/pc
98904	150	41602	0,788	• • •	1		
98905	150	41604	1,120	• • •	1		
98906	150	41607	1,391	• • •	1		

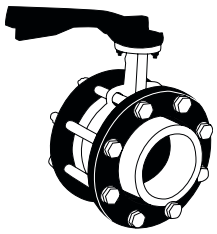
Delivery time: on request

aquatherm blue pipe SHUT-OFF VALVE WITH LEVER

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

Systems: aquatherm blue pipe
Material: Fusiolen® PP-R, Steel



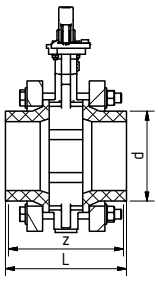


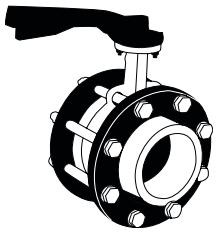
SDR	Art. no.	d [mm]	z [mm]	L [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
				socket welding					
6 7,4 9 11 17,6	**2041820**	**75**	78	138	6,763	•	1		
	2041822	**90**	80	146	9,134	•	1		
	2041824	**110**	89	163	10,400	•	1		
	2041826	**125**	104	184	15,600	•	1		

aquatherm blue pipe SHUT-OFF VALVE WITH LEVER

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

Systems: aquatherm blue pipe
Material: Fusiolen® PP-R, Steel



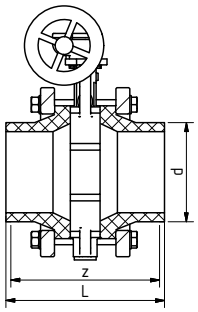


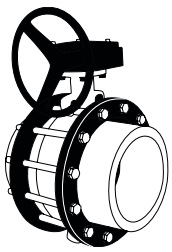
SDR	Art. no.	d [mm]	z [mm]	L [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
				Butt welding					
11	**2041830**	**160**	227	242	22,000	•	1		
17,6	**2541830**	**160**	227	242	21,700	•	1		

aquatherm blue pipe SHUT-OFF VALVE WITH DRIVE

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

Systems: aquatherm blue pipe
Material: Fusiolen® PP-R, Steel





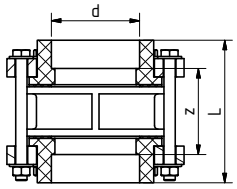
SDR	Art. no.	d [mm]	z [mm]	L [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
11	**2041834**	**200**	305	320	41,400	•	1		
	2041838	**250**	313	328	59,200	•	1		
	2041842	**315**	412	432	81,800	•	1		
17,6	**2541834**	**200**	305	320	40,900	•	1		
	2541838	**250**	313	328	58,400	•	1		
	2541842	**315**	412	432	78,600	•	1		

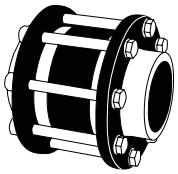
aquatherm blue pipe NON-RETURN VALVE

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

Systems: aquatherm blue pipe

Material: Fusiolen® PP-R, Steel





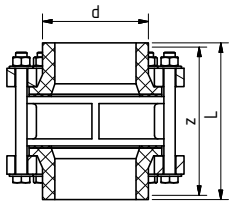
SDR	Art. no.	d [mm]	z [mm]	L [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
				socket welding					
6 7,4 9 11 17,6	**2041920**	**75**	92	152	6,200	•	1		
	2041922	**90**	97	163	8,800	•	1		
	2041924	**110**	107	181	11,000	•	1		
	2041926	**125**	124	204	15,600	•	1		

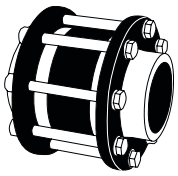
aquatherm blue pipe NON-RETURN VALVE

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

Systems: aquatherm blue pipe

Material: Fusiolen® PP-R, Steel





SDR	Art. no.	d [mm]	z [mm]	L [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
				Butt welding					
11	**2041930**	**160**	253	268	24,200	•	1		
	2041934	**200**	352	367	37,000	•	1		
	2041938	**250**	365	380	58,600	•	1		
	2041942	**315**	476	496	83,400	•	1		
17,6	**2541930**	**160**	253	268	23,900	•	1		
	2541934	**200**	352	367	36,500	•	1		
	2541938	**250**	365	380	57,800	•	1		
	2541942	**315**	476	496	80,200	•	1		

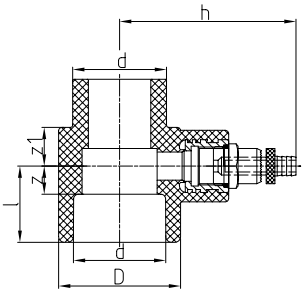
DRAINING BRANCH

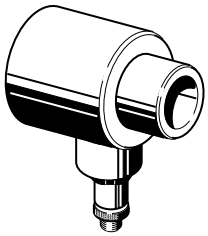
to weld in aquatherm green pipe valves

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

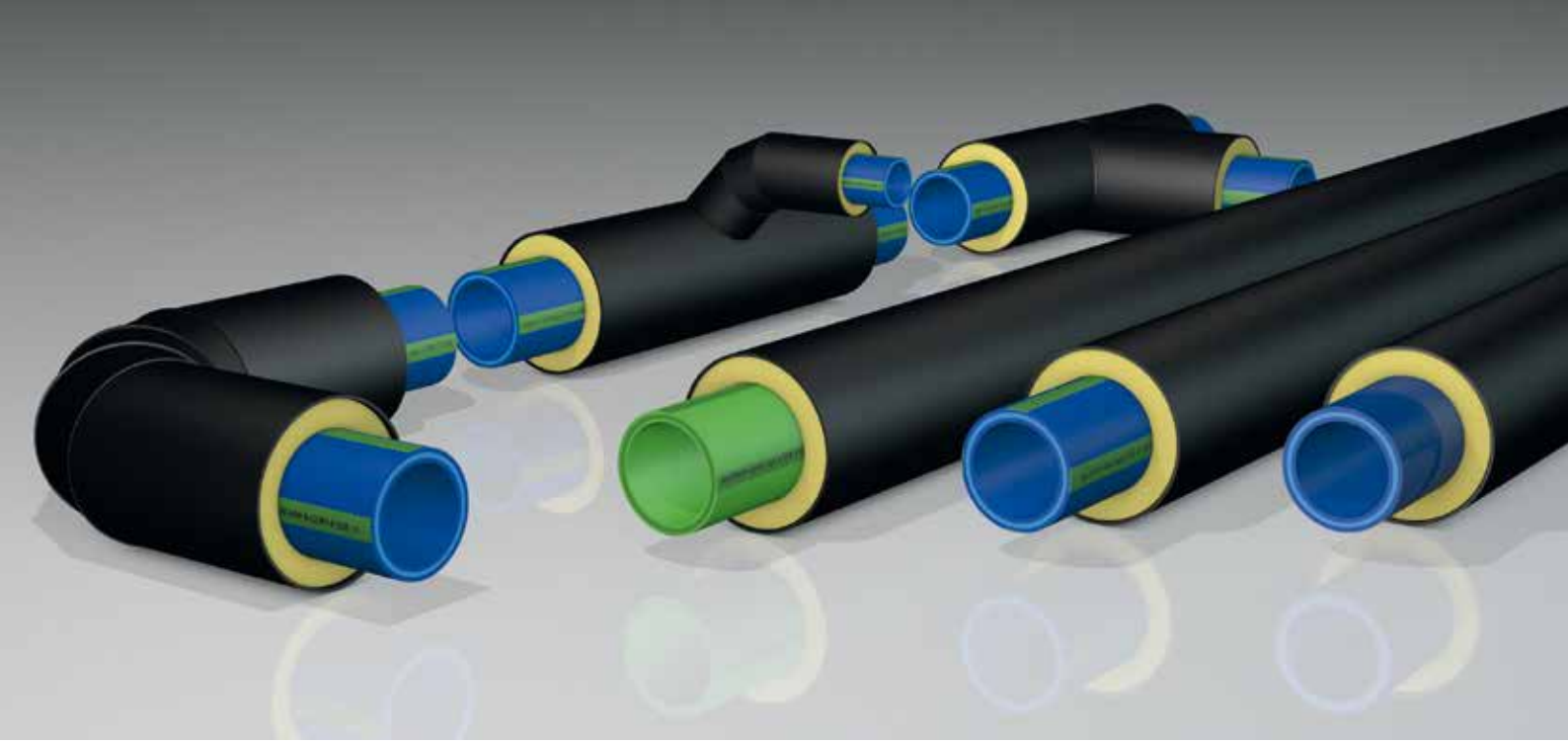
Material: Fusiolen® PP-R, brass

Colour: green





SDR	Art. no.	d [mm]	z [mm]	l [mm]	D [mm]	z1 [mm]	h [mm]	Weight [kg]	System	PU	Box unit	Price € m/pc
6 7.4 9 11	**41408**	**20**	11,5	26,0	34,0	16,5	67,0	0,098	• • •	1		
	41410	**25**	10,0	26,0	34,0	16,5	67,0	0,096	• • •	1		
	41412	**32**	14,0	32,0	43,0	17,0	70,5	0,118	• • •	1		
	41414	**40**	12,0	32,5	52,0	16,5	76,5	0,140	• • •	1		
	41416	**50**	15,5	39,0	68,0	17,0	83,8	0,202	• • •	1		
	41418	**63**	16,5	44,0	84,0	16,5	93,0	0,288	• • •	1		



aquatherm ti

PRE-INSULATED PIPE SYSTEMS FOR DISTRICT HEATING

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

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

aquatherm blue pipe ti
faser composite pipe system SDR 11 in dimensions 32–315 mm and
faser composite pipe system SDR 17.6 in dimensions 125–355 mm
for heating, cooling and waste water

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

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

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

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

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

For further informations please call our technical hotline **+49 (0) 2722 950 200**, visit **www.aquatherm.de** or order our aquatherm ti catalogue **(Order No. E30000)**.

aquatherm ti

PRE-INSULATED PIPE SYSTEMS FOR DISTRICT HEATING

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

MEDIUMPIPE

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

aquatherm green pipe *faser composite pipe SDR9*

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

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

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

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

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

The manufacturer´s operating instructions are valid.

INSULATION

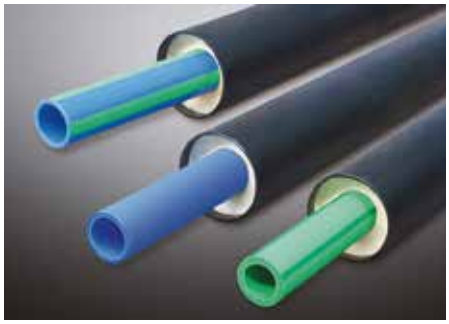
aquatherm ti pipes and fittings are insulated with polyurethane rigid foam (PUR), tested according to EN253. In the production line discontinuously foamed between medium and casing pipe, a high-class insulation with outstanding thermal conductivity λPUR=0,0275 W/mK and low specific weight is formed by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

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

CASING PIPE

The casing pipe of the aquatherm ti is made of the approved PE with a smooth surface. Polyethylene is a seamless extruded impact resistant and break-proof viscoplastic high density polyethylene, applicable up to -50 °C. General quality requirements are according to DIN 8075. Treated with Corona for best adhesion at the PUR-rigid foam, acc. to EN 253. Dimensions resp. wall thickness at least acc. to EN 253, thermal conductivity λPE80 = 0,38 W/mK.

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



aquatherm ti FASER COMPOSITE PIPES

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

Outside diameter		aquatherm green pipe ti SDR 9		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11 / *SDR 7.4		aquatherm blue pipe ti SDR 17.6		PU	Box unit
Medium pipe [mm]	Casing pipe [mm]	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	m/pc	
32	90	**1370711**		**2270111**		**2470711***				5.8	
40	110	**1370713**		**2270113**		**2470113**				5.8	
50	110	**1370715**		**2270115**		**2470115**				5.8	
63	125	**1370717**		**2270117**		**2470117**				5.8	
75	140	**1370719**		**2270119**		**2470119**				5.8	
90	160	**1370721**		**2270121**		**2470121**				5.8	
110	200	**1370723**		**2270123**		**2470123**				5.8	
125	225	**1370725**		**2270125**		**2470125**		**2770125**		5.8	
160	250	**1370729**		**2270129**		**2470129**		**2770129**		5.8	
200	315	**1370733**		**2270133**		**2470133**		**2770133**		5.8	
250	400	**1370737**		**2270137**		**2470137**		**2770137**		5.8	
315	450	**1370741**		**2270141**				**2770141**		5.8	
355	500	**1370743**		**2270143**				**2770143**		5.8	

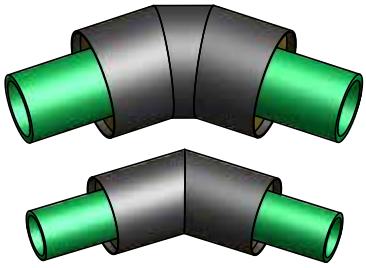
On request available: aquatherm green pipe ti SDR 7.4

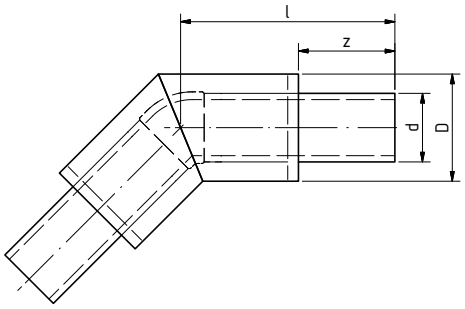
aquatherm ti FASER COMPOSITE PIPES

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

Outside diameter		aquatherm green pipe ti SDR 9		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11 / *SDR 7.4		aquatherm blue pipe ti SDR 17.6		PU	Box unit
Medium pipe [mm]	Casing pipe [mm]	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	m/pc	
32	90	**1370712**		**2270112**		**2470712***				11.6	
40	110	**1370714**		**2270114**		**2470114**				11.6	
50	110	**1370716**		**2270116**		**2470116**				11.6	
63	125	**1370718**		**2270118**		**2470118**				11.6	
75	140	**1370720**		**2270120**		**2470120**				11.6	
90	160	**1370722**		**2270122**		**2470122**				11.6	
110	200	**1370724**		**2270124**		**2470124**				11.6	
125	225	**1370726**		**2270126**		**2470126**		**2770126**		11.6	
160	250	**1370730**		**2270130**		**2470130**		**2770130**		11.6	
200	315	**1370734**		**2270134**		**2470134**		**2770134**		11.6	
250	400	**1370738**		**2270138**		**2470138**		**2770138**		11.6	
315	450	**1370742**		**2270142**				**2770142**		11.6	
355	500	**1370744**		**2270144**				**2770144**		11.6	

On request available: aquatherm green pipe ti SDR 7.4



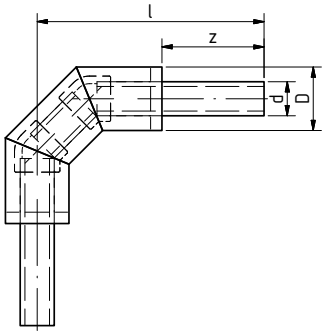


aquatherm ti ELBOW 45° SL 500

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

Outside diameter				aquatherm green pipe ti SDR 9		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11		aquatherm blue pipe ti SDR 17.6		PU	Box unit
d Medium pipe [mm]	D Casing pipe [mm]	z [mm]	l [mm]	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	m/pc	
32	90	225	500	**1312512**		**2212512**		**2412512***				1	
40	110	225	500	**1312514**		**2212514**		**2412514**				1	
50	110	225	500	**1312516**		**2212516**		**2412516**				1	
63	125	225	500	**1312518**		**2212518**		**2412518**				1	
75	140	225	500	**1312520**		**2212520**		**2412520**				1	
90	160	225	500	**1312522**		**2212522**		**2412522**				1	
110	200	225	500	**1312524**		**2212524**		**2412524**				1	
125	225	225	500	**1312526**		**2212526**		**2412526**		**2712526**		1	
160	250	225	500	**1312530**		**2212531**		**2412531**		**2712530**		1	
200	315	225	500	**1312534**		**2212535**		**2412535**		**2712534**		1	
250	400	225	500	**1312538**		**2212539**		**2412539**		**2712538**		1	
315	450	225	500	**1312542**		**2212543**				**2712542**		1	
355	500	225	500	**1312544**		**2212545**				**2712544**		1	

Also available in design 15° and 30°

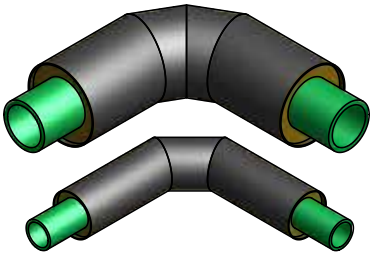


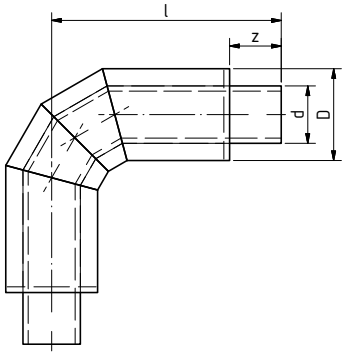
aquatherm ti ELBOW 90° SL 500

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

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

Also available in design 60° and 75°



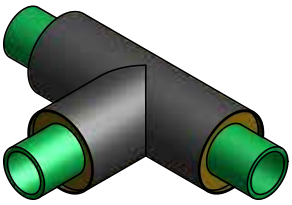


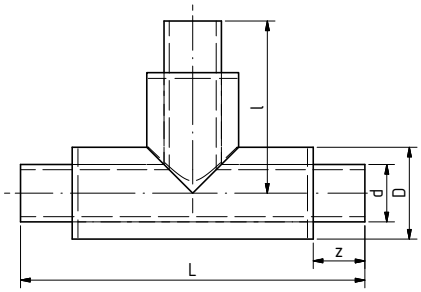
aquatherm ti ELBOW 90° SL 1000

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

Outside diameter				aquatherm green pipe ti SDR 9		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11		aquatherm blue pipe ti SDR 17.6		PU	Box unit
d Medium pipe [mm]	D Casing pipe [mm]	z [mm]	l [mm]	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	m/pc	
32	90	225	1000	**1312112**		**2212112**		**2412112***				1	
40	110	225	1000	**1312114**		**2212114**		**2412114**				1	
50	110	225	1000	**1312116**		**2212116**		**2412116**				1	
63	125	225	1000	**1312118**		**2212118**		**2412118**				1	
75	140	225	1000	**1312120**		**2212120**		**2412120**				1	
90	160	225	1000	**1312122**		**2212122**		**2412122**				1	
110	200	225	1000	**1312124**		**2212124**		**2412124**				1	
125	225	225	1000	**1312126**		**2212126**		**2412126**		**2712126**		1	
160	250	225	1000	**1312130**		**2212131**		**2412131**		**2712130**		1	
200	315	225	1000	**1312134**		**2212135**		**2412135**		**2712134**		1	
250	400	225	1000	**1312138**		**2212139**		**2412139**		**2712138**		1	
315	450	225	1000	**1312142**		**2212143**				**2712142**		1	
355	500	225	1000	**1312144**		**2212145**				**2712144**		1	

Also available in design 60° and 75°

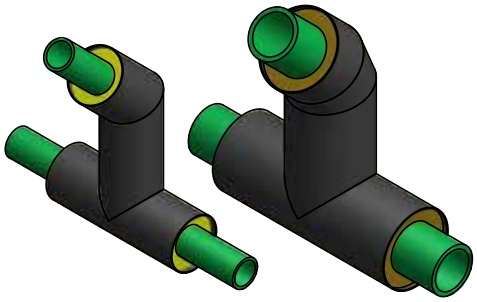


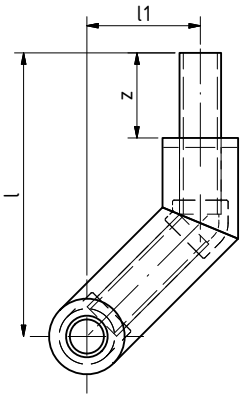


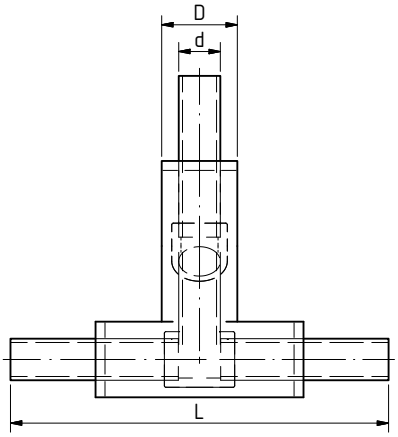
aquatherm ti BRANCH

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

Outside diameter					aquatherm green pipe ti SDR 9		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11		aquatherm blue pipe ti SDR 17.6		PU	Box unit
d Medium pipe [mm]	D Casing pipe [mm]	z [mm]	l [mm]	L [mm]	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	m/pc	
32	90	225	500	1000	**1313112**		**2213112**		**2413112***				1	
40	110	225	500	1000	**1313114**		**2213114**		**2413114**				1	
50	110	225	500	1000	**1313116**		**2213116**		**2413116**				1	
63	125	225	500	1000	**1313118**		**2213118**		**2413118**				1	
75	140	225	500	1000	**1313120**		**2213120**		**2413120**				1	
90	160	225	500	1000	**1313122**		**2213122**		**2413122**				1	
110	200	225	500	1000	**1313124**		**2213124**		**2413124**				1	
125	225	225	500	1000	**1313126**		**2213126**		**2413126**		**2713126**		1	
160	250	225	500	1000	**1313130**		**2213131**		**2413131**		**2713130**		1	
200	315	225	750	1500	**1313134**		**2213135**		**2413135**		**2713134**		1	
250	400	225	750	1500	**1313138**		**2213139**		**2413139**		**2713138**		1	
315	450	225	750	1500	**1313142**		**2213143**				**2713142**		1	
355	500	225	750	1500	**1313144**		**2213145**				**2713144**		1	



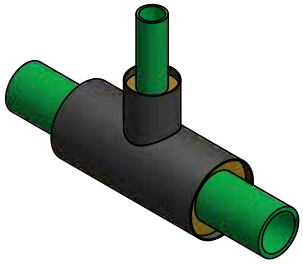


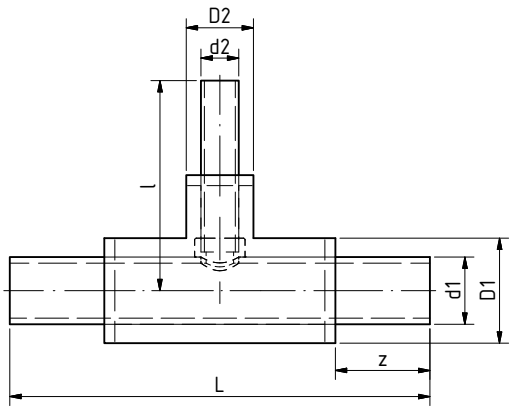


aquatherm ti CROSS-OVER BRANCH

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

Outside diameter						aquatherm green pipe ti SDR 9		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11 / *SDR 7,4		aquatherm blue pipe ti SDR 17,6		PU	Box unit
d Medium pipe [mm]	D Casing pipe [mm]	z [mm]	l [mm]	l1 [mm]	L [mm]	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	m/pc	
32	90	225	750	190	1000	**1318112**		**2218112**		**2418112***				1	
40	110	225	750	210	1000	**1318114**		**2218114**		**2418114**				1	
50	110	225	750	210	1000	**1318116**		**2218116**		**2418116**				1	
63	125	225	750	225	1000	**1318118**		**2218118**		**2418118**				1	
75	140	225	750	240	1000	**1318120**		**2218120**		**2418120**				1	
90	160	225	750	260	1000	**1318122**		**2218122**		**2418122**				1	
110	200	225	750	300	1000	**1318124**		**2218124**		**2418124**				1	
125	225	225	750	325	1000	**1318126**		**2218126**		**2418126**		**2718126**		1	
160	250	225	1000	350	1000	**1318130**		**2218131**		**2418131**		**2718130**		1	
200	315	225	1000	415	1500	**1318134**		**2218135**		**2418135**		**2718134**		1	
250	400	225	1000	500	1500	**1318138**		**2218139**		**2418139**		**2718138**		1	
315	450	225	1250	550	1500	**1318142**		**2218143**				**2718142**		1	
355	500	225	1250	600	1500	**1318144**		**2218145**				**2718144**		1	





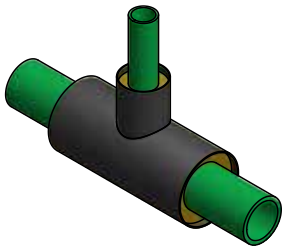
aquatherm ti RED.-BRANCH

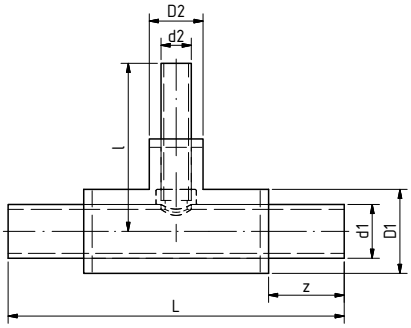
with PUR rigid foam and coated with a casing pipe made of PEHD

Outside diameter							aquatherm green pipe ti SDR 9		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11 / SDR 7.4		aquatherm blue pipe ti SDR 17.6 / SDR 11		PU	Box unit
d1 Medium pipe [mm]	d2 Medium pipe [mm]	D1 Casing pipe [mm]	D2 Casing pipe [mm]	z [mm]	l [mm]	L [mm]	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	m/ pc	
40	32	110	90	225	500	1000	**1313202**		**2213202**		**2413202***				1	
50	32	110	90	225	500	1000	**1313206**		**2213206**		**2413206***				1	
50	40	110	110	225	500	1000	**1313208**		**2213208**		**2413208**				1	
63	32	125	90	225	500	1000	**1313212**		**2213212**		**2413212***				1	
63	40	125	110	225	500	1000	**1313214**		**2213214**		**2413214**				1	
63	50	125	110	225	500	1000	**1313216**		**2213216**		**2413216**				1	
75	32	140	90	225	500	1000	**1313220**		**2213220**		**2413220***				1	
75	40	140	110	225	500	1000	**1313222**		**2213222**		**2413222**				1	
75	50	140	110	225	500	1000	**1313224**		**2213224**		**2413224**				1	
75	63	140	125	225	500	1000	**1313226**		**2213226**		**2413226**				1	
90	32	160	90	225	500	1000	**1313230**		**2213230**		**2413230***				1	
90	40	160	110	225	500	1000	**1313232**		**2213232**		**2413232**				1	
90	50	160	110	225	500	1000	**1313234**		**2213234**		**2413234**				1	
90	63	160	125	225	500	1000	**1313236**		**2213236**		**2413236**				1	
90	75	160	140	225	500	1000	**1313238**		**2213238**		**2413238**				1	
110	32	200	90	225	500	1000	**1313242**		**2213242**		**2413242***				1	
110	40	200	110	225	500	1000	**1313244**		**2213244**		**2413244**				1	
110	50	200	110	225	500	1000	**1313246**		**2213246**		**2413246**				1	
110	63	200	125	225	500	1000	**1313248**		**2213248**		**2413248**				1	
110	75	200	140	225	500	1000	**1313250**		**2213250**		**2413250**				1	
110	90	200	160	225	500	1000	**1313252**		**2213252**		**2413252**				1	
125	32	225	90	225	500	1000	**1313256**		**2213256**		**2413256***		**2713256****		1	
125	40	225	110	225	500	1000	**1313258**		**2213258**		**2413258**		**2713258****		1	
125	50	225	110	225	500	1000	**1313260**		**2213260**		**2413260**		**2713260****		1	
125	63	225	125	225	500	1000	**1313262**		**2213262**		**2413262**		**2713262****		1	
125	75	225	140	225	500	1000	**1313264**		**2213264**		**2413264**		**2713264****		1	
125	90	225	160	225	500	1000	**1313266**		**2213266**		**2413266**		**2713266****		1	
125	110	225	200	225	500	1000	**1313268**		**2213268**		**2413268**		**2713268****		1	
160	32	250	90	225	500	1000	**1313290**		**2213291**		**2413291***		**2713290****		1	
160	40	250	110	225	500	1000	**1313292**		**2213293**		**2413293**		**2713292****		1	
160	50	250	110	225	500	1000	**1313294**		**2213295**		**2413295**		**2713294****		1	
160	63	250	125	225	500	1000	**1313296**		**2213297**		**2413297**		**2713296****		1	
160	75	250	140	225	500	1000	**1313298**		**2213299**		**2413299**		**2713298****		1	
160	90	250	160	225	500	1000	**1313300**		**2213301**		**2413301**		**2713300****		1	
160	110	250	200	225	750	1500	**1313302**		**2213303**		**2413303**		**2713302****		1	
160	125	250	225	225	750	1500	**1313304**		**2213305**		**2413305**		**2713304**		1	

* Branch d2 SDR 7,4 | ** Branch d2 SDR 11

On request available: aquatherm green pipe ti SDR 7.4



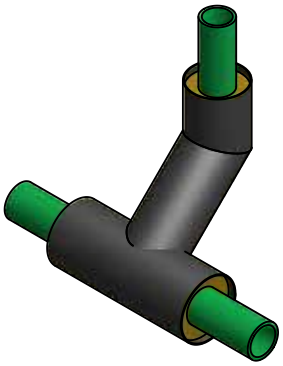


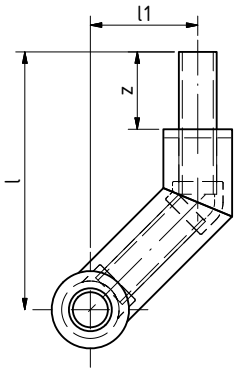
aquatherm ti RED.-BRANCH

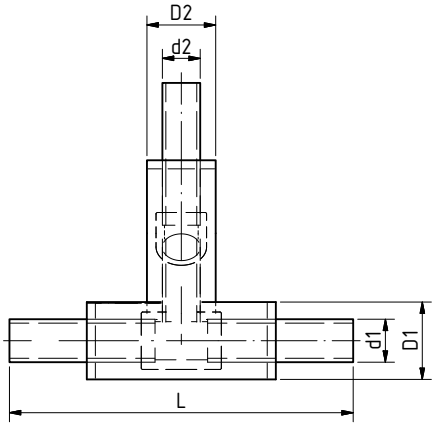
with PUR rigid foam and coated with a casing pipe made of PEHD

Outside diameter							aquatherm green pipe ti SDR 9		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11 / SDR 7.4		aquatherm blue pipe ti SDR 17.6 / SDR 11		PU	Box unit
d1 Medium pipe [mm]	d2 Medium pipe [mm]	D1 Casing pipe [mm]	D2 Casing pipe [mm]	z [mm]	l [mm]	L [mm]	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no..	Price € m/pc	Art. no.	Price € m/pc	m/ pc	
200	32	315	90	225	750	1500	**1313332**		**2213333**		**2413333***		**2713332****		1	
200	40	315	110	225	750	1500	**1313334**		**2213335**		**2413335**		**2713334****		1	
200	50	315	110	225	750	1500	**1313336**		**2213337**		**2413337**		**2713336****		1	
200	63	315	125	225	750	1500	**1313338**		**2213339**		**2413339**		**2713338****		1	
200	75	315	140	225	750	1500	**1313340**		**2213341**		**2413341**		**2713340****		1	
200	90	315	160	225	750	1500	**1313342**		**2213343**		**2413343**		**2713342****		1	
200	110	315	200	225	750	1500	**1313344**		**2213345**		**2413345**		**2713344****		1	
200	125	315	225	225	750	1500	**1313346**		**2213347**		**2413347**		**2713346**		1	
200	160	315	250	225	750	1500	**1313350**		**2213351**		**2413351**		**2713350**		1	
250	32	400	90	225	750	1500	**1313382**		**2213383**		**2413383***		**2713382****		1	
250	40	400	110	225	750	1500	**1313384**		**2213385**		**2413385**		**2713384****		1	
250	50	400	110	225	750	1500	**1313386**		**2213387**		**2413387**		**2713386****		1	
250	63	400	125	225	750	1500	**1313388**		**2213389**		**2413389**		**2713388****		1	
250	75	400	140	225	750	1500	**1313390**		**2213391**		**2413391**		**2713390****		1	
250	90	400	160	225	750	1500	**1313392**		**2213393**		**2413393**		**2713392****		1	
250	110	400	200	225	750	1500	**1313394**		**2213395**		**2413395**		**2713394****		1	
250	125	400	225	225	750	1500	**1313396**		**2213397**		**2413397**		**2713396**		1	
250	160	400	250	225	750	1500	**1313400**		**2213401**		**2413401**		**2713400**		1	
250	200	400	315	225	750	1500	**1313402**		**2213403**		**2413403**		**2713402**		1	
315	32	450	90	225	750	1500	**1313406**		**2213407**				**2713406****		1	
315	40	450	110	225	750	1500	**1313408**		**2213409**				**2713408****		1	
315	50	450	110	225	750	1500	**1313410**		**2213411**				**2713410****		1	
315	63	450	125	225	750	1500	**1313412**		**2213413**				**2713412****		1	
315	75	450	140	225	750	1500	**1313414**		**2213415**				**2713414****		1	
315	90	450	160	225	750	1500	**1313416**		**2213417**				**2713416****		1	
315	110	450	200	225	750	1500	**1313418**		**2213419**				**2713418****		1	
315	125	450	225	225	750	1500	**1313420**		**2213421**				**2713420**		1	
315	160	450	250	225	750	1500	**1313424**		**2213425**				**2713424**		1	
315	200	450	315	225	750	1500	**1313428**		**2213429**				**2713428**		1	
315	250	450	400	225	750	1500	**1313432**		**2213433**				**2713432**		1	
355	32	500	90	225	750	1500	**1313436**		**2213437**				**2713436****		1	
355	40	500	110	225	750	1500	**1313438**		**2213439**				**2713438****		1	
355	50	500	110	225	750	1500	**1313440**		**2213441**				**2713440****		1	
355	63	500	125	225	750	1500	**1313442**		**2213443**				**2713442****		1	
355	75	500	140	225	750	1500	**1313444**		**2213445**				**2713444****		1	
355	90	500	160	225	750	1500	**1313446**		**2213447**				**2713446****		1	
355	110	500	200	225	750	1500	**1313448**		**2213449**				**2713448****		1	
355	125	500	225	225	750	1500	**1313450**		**2213451**				**2713450**		1	
355	160	500	250	225	750	1500	**1313454**		**2213455**				**2713454**		1	
355	200	500	315	225	750	1500	**1313458**		**2213459**				**2713458**		1	
355	250	500	400	225	750	1500	**1313462**		**2213463**				**2713462**		1	
355	315	500	450	225	750	1500	**1313466**		**2213467**				**2713466**		1	

* Branch d2 SDR 7,4 | ** Branch d2 SDR 11





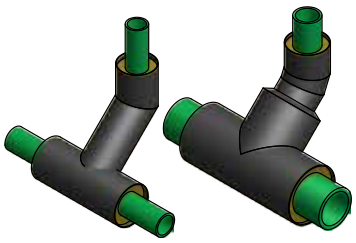


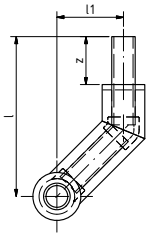
aquatherm ti RED. CROSS-OVER BRANCH

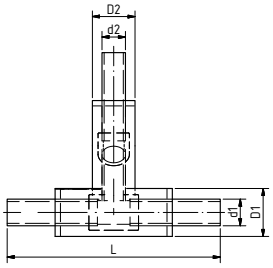
with PUR rigid foam and coated with a casing pipe made of PEHD

Outside diameter								aquatherm green pipe ti SDR 9		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11 / SDR 7.4		aquatherm blue pipe ti SDR 17.6 / SDR 11		PU	Box unit
d1 Medium pipe [mm]	d2 Medium pipe [mm]	D1 Casing pipe [mm]	D2 Casing pipe [mm]	z [mm]	l [mm]	l1 [mm]	L [mm]	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	m/ pc	
40	32	110	90	225	750	200	1000	**1318202**		**2218202**		**2418202***				1	
50	32	110	90	225	750	200	1000	**1318206**		**2218206**		**2418206***				1	
50	40	110	110	225	750	210	1000	**1318208**		**2218208**		**2418208**				1	
63	32	125	90	225	750	207,5	1000	**1318212**		**2218212**		**2418212***				1	
63	40	125	110	225	750	217,5	1000	**1318214**		**2218214**		**2418214**				1	
63	50	125	110	225	750	217,5	1000	**1318216**		**2218216**		**2418216**				1	
75	32	140	90	225	750	215	1000	**1318220**		**2218220**		**2418220***				1	
75	40	140	110	225	750	225	1000	**1318222**		**2218222**		**2418222**				1	
75	50	140	110	225	750	225	1000	**1318224**		**2218224**		**2418224**				1	
75	63	140	125	225	750	232,5	1000	**1318226**		**2218226**		**2418226**				1	
90	32	160	90	225	750	225	1000	**1318230**		**2218230**		**2418230***				1	
90	40	160	110	225	750	235	1000	**1318232**		**2218232**		**2418232**				1	
90	50	160	110	225	750	235	1000	**1318234**		**2218234**		**2418234**				1	
90	63	160	125	225	750	242,5	1000	**1318236**		**2218236**		**2418236**				1	
90	75	160	140	225	750	250	1000	**1318238**		**2218238**		**2418238**				1	
110	32	200	90	225	750	245	1000	**1318242**		**2218242**		**2418242***				1	
110	40	200	110	225	750	255	1000	**1318244**		**2218244**		**2418244**				1	
110	50	200	110	225	750	255	1000	**1318246**		**2218246**		**2418246**				1	
110	63	200	125	225	750	262,5	1000	**1318248**		**2218248**		**2418248**				1	
110	75	200	140	225	750	270	1000	**1318250**		**2218250**		**2418250**				1	
110	90	200	160	225	750	280	1000	**1318252**		**2218252**		**2418252**				1	
125	32	225	90	225	750	257,5	1000	**1318256**		**2218256**		**2418256***		**2718256****		1	
125	40	225	110	225	750	267,5	1000	**1318258**		**2218258**		**2418258**		**2718258****		1	
125	50	225	110	225	750	267,5	1000	**1318260**		**2218260**		**2418260**		**2718260****		1	
125	63	225	125	225	750	275	1000	**1318262**		**2218262**		**2418262**		**2718262****		1	
125	75	225	140	225	750	282,5	1000	**1318264**		**2218264**		**2418264**		**2718264****		1	
125	90	225	160	225	750	292,5	1000	**1318266**		**2218266**		**2418266**		**2718266****		1	
125	110	225	200	225	750	312,5	1000	**1318268**		**2218268**		**2418268**		**2718268****		1	
160	32	250	90	225	750	270	1000	**1318290**		**2218291**		**2418291***		**2718290****		1	
160	40	250	110	225	750	280	1000	**1318292**		**2218293**		**2418293**		**2718292****		1	
160	50	250	110	225	750	280	1000	**1318294**		**2218295**		**2418295**		**2718294****		1	
160	63	250	125	225	750	287,5	1000	**1318296**		**2218297**		**2418297**		**2718296****		1	
160	75	250	140	225	750	295	1000	**1318298**		**2218299**		**2418299**		**2718298****		1	
160	90	250	160	225	750	305	1000	**1318300**		**2218301**		**2418301**		**2718300****		1	
160	110	250	200	225	1000	325	1000	**1318302**		**2218303**		**2418303**		**2718302****		1	
160	125	250	225	225	1000	337,5	1000	**1318304**		**2218305**		**2418305**		**2718304**		1	

* Branch d2 SDR 7,4 | ** Branch d2 SDR 11





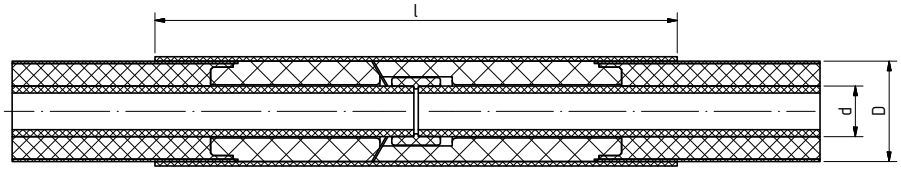


aquatherm ti RED. CROSS-OVER BRANCH

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

Outside diameter								aquatherm green pipe ti SDR 9		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11 / SDR 7.4		aquatherm blue pipe ti SDR 17.6 / SDR 11		PU	Box unit
d1 Medium pipe [mm]	d2 Medium pipe [mm]	D1 Casing pipe [mm]	D2 Casing pipe [mm]	z [mm]	l [mm]	l1 [mm]	L [mm]	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	m/ pc	
200	32	315	90	225	750	302,5	1000	**1318332**		**2218333**		**2418333***		**2718332****		1	
200	40	315	110	225	750	312,5	1000	**1318334**		**2218335**		**2418335**		**2718334****		1	
200	50	315	110	225	750	312,5	1000	**1318336**		**2218337**		**2418337**		**2718336****		1	
200	63	315	125	225	750	320	1000	**1318338**		**2218339**		**2418339**		**2718338****		1	
200	75	315	140	225	750	327,5	1000	**1318340**		**2218341**		**2418341**		**2718340****		1	
200	90	315	160	225	750	337,5	1000	**1318342**		**2218343**		**2418343**		**2718342****		1	
200	110	315	200	225	1000	357,5	1000	**1318344**		**2218345**		**2418345**		**2718344****		1	
200	125	315	225	225	1000	370	1500	**1318346**		**2218347**		**2418347**		**2718346**		1	
200	160	315	250	225	1000	382,5	1500	**1318350**		**2218351**		**2418351**		**2718350**		1	
250	32	400	90	225	750	345	1000	**1318382**		**2218383**		**2418383***		**2718382****		1	
250	40	400	110	225	1000	355	1000	**1318384**		**2218385**		**2418385**		**2718384****		1	
250	50	400	110	225	1000	355	1000	**1318386**		**2218387**		**2418387**		**2718386****		1	
250	63	400	125	225	1000	362,5	1000	**1318388**		**2218389**		**2418389**		**2718388****		1	
250	75	400	140	225	1000	370	1000	**1318390**		**2218391**		**2418391**		**2718390****		1	
250	90	400	160	225	1000	380	1000	**1318392**		**2218393**		**2418393**		**2718392****		1	
250	110	400	200	225	1000	400	1000	**1318394**		**2218395**		**2418395**		**2718394****		1	
250	125	400	225	225	1000	412,5	1000	**1318396**		**2218397**		**2418397**		**2718396**		1	
250	160	400	250	225	1000	425	1500	**1318400**		**2218401**		**2418401**		**2718400**		1	
250	200	400	315	225	1000	457,5	1500	**1318402**		**2218403**		**2418403**		**2718402**		1	
315	32	450	90	225	1000	370	1000	**1318406**		**2218407**				**2718406****		1	
315	40	450	110	225	1000	380	1000	**1318408**		**2218409**				**2718408****		1	
315	50	450	110	225	1000	380	1000	**1318410**		**2218411**				**2718410****		1	
315	63	450	125	225	1000	387,5	1000	**1318412**		**2218413**				**2718412****		1	
315	75	450	140	225	1000	395	1000	**1318414**		**2218415**				**2718414****		1	
315	90	450	160	225	1000	405	1000	**1318416**		**2218417**				**2718416****		1	
315	110	450	200	225	1000	425	1000	**1318418**		**2218419**				**2718418****		1	
315	125	450	225	225	1000	437,5	1000	**1318420**		**2218421**				**2718420**		1	
315	160	450	250	225	1000	450	1000	**1318424**		**2218425**				**2718424**		1	
315	200	450	315	225	1000	482,5	1500	**1318428**		**2218429**				**2718428**		1	
315	250	450	400	225	1000	525	1500	**1318432**		**2218433**				**2718432**		1	
355	32	500	90	225	1000	395	1000	**1318436**		**2218437**				**2718436****		1	
355	40	500	110	225	1000	405	1000	**1318438**		**2218439**				**2718438****		1	
355	50	500	110	225	1000	405	1000	**1318440**		**2218441**				**2718440****		1	
355	63	500	125	225	1000	412,5	1000	**1318442**		**2218443**				**2718442****		1	
355	75	500	140	225	1000	420	1000	**1318444**		**2218445**				**2718444****		1	
355	90	500	160	225	1000	430	1000	**1318446**		**2218447**				**2718446****		1	
355	110	500	200	225	1000	450	1000	**1318448**		**2218449**				**2718448****		1	
355	125	500	225	225	1000	462,5	1000	**1318450**		**2218451**				**2718450**		1	
355	160	500	250	225	1000	475	1000	**1318454**		**2218455**				**2718454**		1	
355	200	500	315	225	1000	507,5	1000	**1318458**		**2218459**				**2718458**		1	
355	250	500	400	225	1000	550	1500	**1318462**		**2218463**				**2718462**		1	
355	315	500	450	225	1000	575	1500	**1318466**		**2218467**				**2718466**		1	

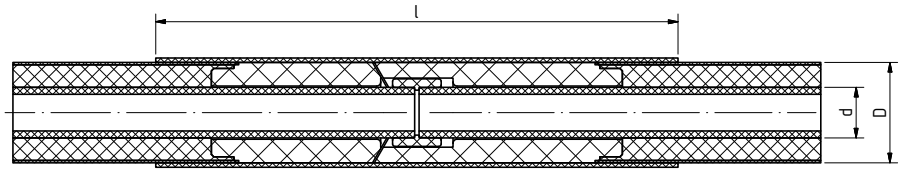
* Branch d2 SDR 7,4 | ** Branch d2 SDR 11



aquatherm ti SOCKET PLA

Shrink sleeve ready for use, including locking tie with PUR rigid foam elements and accessories for later coating of welded joints
Colour: black, standard width: 600 mm.

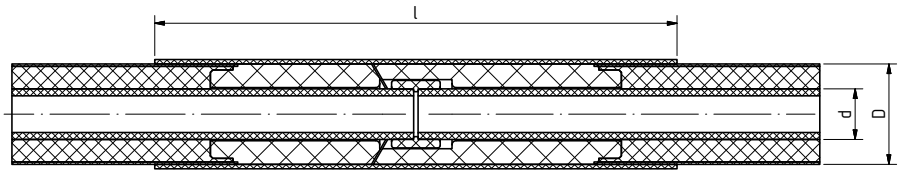
Outside diameter			aquatherm ti			
Medium pipe d [mm]	Casing pipe D [mm]	l [mm]	Art. no.	PU	Box unit	Price € m/pc
Socket welding: the fitting for the connection of the medium pipes is included in delivery.						
32	90	650	**2211012**	1		
40	110	650	**2211014**	1		
50	110	650	**2211016**	1		
63	125	650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



aquatherm ti SOCKET CSC-X

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

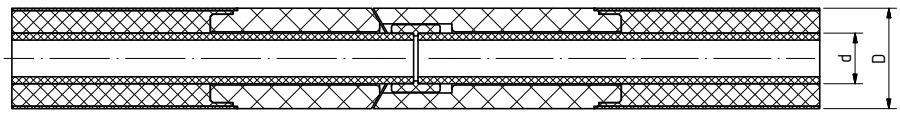
Outside diameter			aquatherm ti			
Medium pipe d [mm]	Casing pipe D [mm]	l [mm]	Art. no.	PU	Box unit	Price € m/pc
Socket welding: the fitting for the connection of the medium pipes is included in delivery.						
32	90	750	**1211012**	1		
40	110	750	**1211014**	1		
50	110	750	**1211016**	1		
63	125	750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



aquatherm ti SOCKET WTD

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

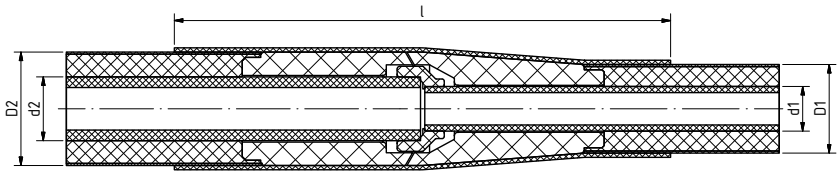
Outside diameter			aquatherm ti			
Medium pipe d [mm]	Casing pipe D [mm]	l [mm]	Art. no.	PU	Box unit	Price € m/pc
Socket welding: the fitting for the connection of the medium pipes is included in delivery.						
32	90	600	**2211011**	1		
40	110	600	**2211013**	1		
50	110	600	**2211015**	1		
63	125	600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



aquatherm ti INSULATION-SOCKET-SET

Consists of PUR-rigid foam elements and a fitting (socket up to 125 mm) depending on the dimension.
Required accessories for the installation: Mono Top 40 insulating tape and primer (p. 87)

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

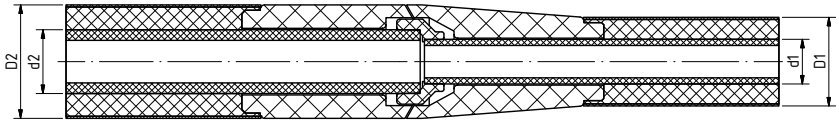


aquatherm ti REDUCING SOCKET

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

Outside diameter					aquatherm green pipe ti		PU	Box unit
d2 Medium pipe [mm]	d1 Medium pipe [mm]	D1 Casing pipe [mm]	D2 Casing pipe [mm]	l [mm]	Art. no.	Price € m/pc		
Socket welding: up to 125 x 110 mm, than one-sided socket- and one-sided butt welding								
40	32	90	110	900	**1211222**		1	
50	32	90	110	900	**1211228**		1	
50	40	110	110	900	**1211230**		1	
63	40	110	125	900	**1211236**		1	
63	50	110	125	900	**1211238**		1	
75	50	110	140	900	**1211240**		1	
75	63	125	140	900	**1211242**		1	
90	63	125	160	900	**1211252**		1	
90	75	140	160	900	**1211253**		1	
110	75	140	200	900	**1211257**		1	
110	90	160	200	900	**1211259**		1	
125	90	160	225	900	**1211263**		1	
125	110	200	225	900	**1211265**		1	

Outside diameter					aquatherm green pipe ti SDR 9		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ti SDR 17.6		PU	Box unit
d2 Medium pipe [mm]	d1 Medium pipe [mm]	D1 Casing pipe [mm]	D2 Casing pipe [mm]	l [mm]	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc		
160	110	200	250	900	**1311274**		**2211275**		**2711274**		1	
160	125	225	250	900	**1311276**		**2211277**		**2711276**		1	
200	125	225	315	900	**1311282**		**2211283**		**2711282**		1	
Double-sided butt welding												
200	160	250	315	900	**1311284**		**2211285**		**2711284**		1	
250	160	250	400	900	**1311288**		**2211289**		**2711288**		1	
250	200	315	400	900	**1311290**		**2211291**		**2711290**		1	
315	200	315	450	900	**1311296**		**2211297**		**2711296**		1	
315	250	400	450	900	**1311298**		**2211299**		**2711298**		1	
355	250	400	500	900	**1311304**		**2211305**		**2711304**		1	
355	315	450	500	900	**1311306**		**2211307**		**2711306**		1	



aquatherm ti INSULATION-REDUCING SOCKET-SET

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

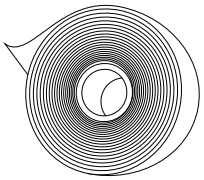
Outside diameter				aquatherm ti		PU	Box unit
d2 [mm]	d1 [mm]	D1 [mm]	D2 [mm]	Art. no.	Price € m/pc		
Socket welding: up to 125 x 110 mm, than one-sided socket- and one-sided butt welding							
40	32	90	110	**2411222**		1	
50	32	90	110	**2411228**		1	
50	40	110	110	**2411230**		1	
63	40	110	125	**2411236**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

Outside diameter				aquatherm green pipe ti SDR 9		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ti SDR 17.6		PU	Box unit
d2 [mm]	d1 [mm]	D1 [mm]	D2 [mm]	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc		
160	110	200	250	**1311275**		**2411275**		**2711275**		1	
160	125	225	250	**1311277**		**2411277**		**2711277**		1	
200	125	225	315	**1311283**		**2411283**		**2711283**		1	
Double-sided butt welding											
200	160	250	315	**1311285**		**2411285**		**2711285**		1	
250	160	250	400	**1311289**		**2411289**		**2711289**		1	
250	200	315	400	**1311291**		**2411291**		**2711291**		1	
315	200	315	450	**1311297**		**2411297**		**2711297**		1	
315	250	400	450	**1311299**		**2411299**		**2711299**		1	
355	250	400	500	**1311305**		**2411305**		**2711305**		1	
355	315	450	500	**1311307**		**2411307**		**2711307**		1	

aquatherm ti MONO TOP 40 INSULATION TAPE

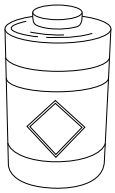
for post-insulation of connections with the aquatherm insulation-socket set

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



aquatherm ti PRIMER

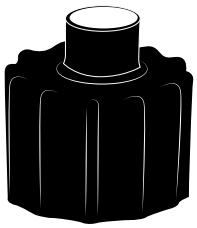
Art. no.	Amount	PU	Box unit	Price € m/pc
2411002	1 Liter	1		



aquatherm ti CLOSING COLLAR

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

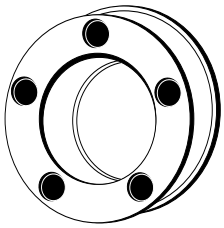
Outside diameter		aquatherm ti			
Medium pipe [mm]	Casing pipe [mm]	Art. no.	PU	Box unit	Price € m/pc
32	90	**1214112**	1		
40–50	110	**1214114**	1		
63–75	125–140	**1214118**	1		
90	160	**1214122**	1		
110	200	**1214124**	1		
125	225	**1214126**	1		
160	250	**1214130**	1		
200	315	**1214134**	1		
250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



aquatherm ti COMPACT SEALS

Pipe collar for wall duct.

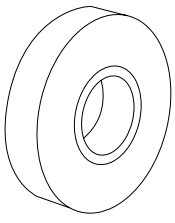
Outside diameter			aquatherm ti			
Core drill hole [mm]	Medium pipe [mm]	Casing pipe [mm]	Art. no.	PU	Box unit	Price € m/pc
150	32	90	**1214212**	1		
200	50	110	**1214214**	1		
200	63	125	**1214218**	1		
200	75	140	**1214220**	1		
250	90	160	**1214222**	1		
300	110	200	**1214224**	1		
350	125	225	**1214226**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



aquatherm ti WARNING TAPE

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

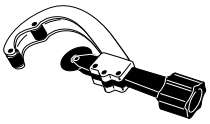
Colour: yellow
Printing in black:"Attention district heating pipeline"

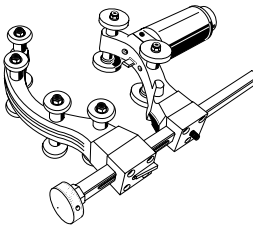


Tools for processing the aquatherm ti system see from page 88 also an explanation regarding the processing from page 104

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.

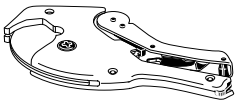
PIPE CUTTER





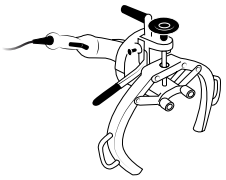
Art. no.	for pipe dimensions	PU	Box unit	Price € m/pc
50102	16-40mm	1		
50105	50-125mm	1		
50106	63-200mm	1		

PIPE CUTTER



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

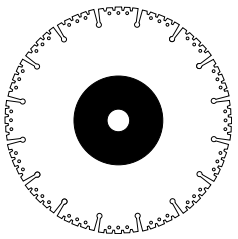
ORBITAL CIRCULAR SAW



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

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

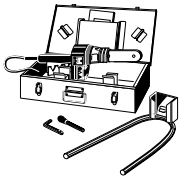
CUTTING DISC FOR PLASTIC



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

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

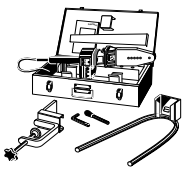
MANUAL WELDING DEVICE (500 W)



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

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

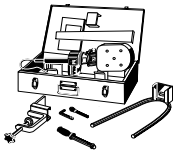
MANUAL WELDING DEVICE (800 W)



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

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

MANUAL WELDING DEVICE (1400 W)



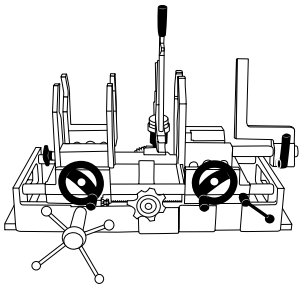
Art. no.	for pipe dimensions	PU	Box unit	Price € m/pc
50341	ø 50-125mm	1		

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

WELDING MACHINE (1400 W)

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

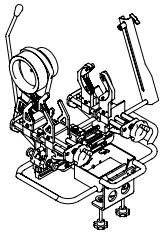
including welding tools 50–125 mm, roll stand and wooden transport case
Also available: 110 V (Art. no. 450148)



WELDING MACHINE (1400 W) LIGHT

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

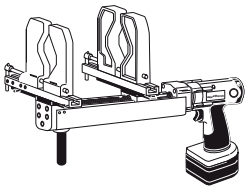
including manual welding device (1400 W) and wooden transport case
Also available: 110 V (Art. no. 450145)



ELECTRIC WELDING JIG

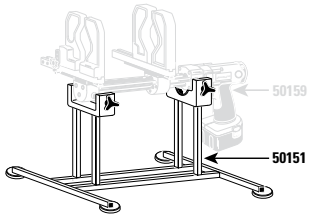
Art. no.	for pipe dimensions	Weight [kg]	PU	Box unit	Price € m/pc
50159	ø 63-125mm	24,000	1		

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



BASE FOR ART. NO. 50159

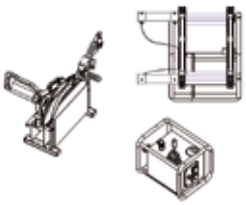
Art. no.	Dimension	PU	Box unit	Price € m/pc
50151		1		



BUTT-WELDING MACHINE-TWO-RING-MACHINE WIDOS

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

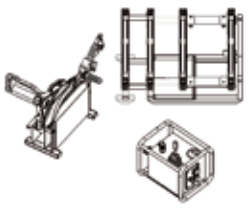
The butt-welding-two-ring machine can be purchased directly from Widos (www.widos.de)
* Also available in design with 110 volt (Art. no. **4**50350 = ø 160–250 mm / **4**50351 = ø 160–315 mm)



BUTT WELDING MACHINE WIDOS

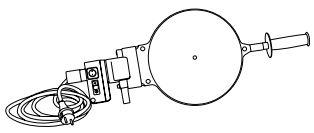
Art. no.	Dimension	Weight [kg]	PU	Box unit	Price € m/pc
50352*	ø 160-250mm	195,000	1		
50353*	ø 160-315mm	250,000	1		
50354*	ø 160-355mm	425,000	1		
50355*	ø 200-450mm	430,000	1		
50356**	ø 200-500mm	500,000	1		
50357**	ø 315-630mm	885,000	1		

The butt-welding-machine can be purchased directly from Widos (www.widos.de)
* Also available in design with 110 volt (Art. no. **4**50352 = ø 160–250 mm / **4**50353 = ø 160–315 mm / **4**50354 = ø 160–355 mm / **4**50355 = ø 200–450 mm)
** special voltage on demand



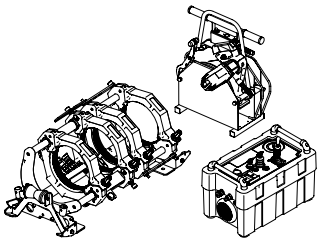
MANUAL WELDING DEVICE (1500 W) FOR SADDLE WELDING Ø 50–160 MM

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



BUTT WELDING MACHINE RITMO

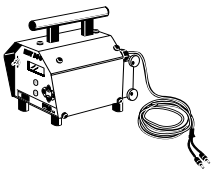
Art. no.	for pipe dimensions	Weight [kg]	PU	Box unit	Price € m/pc
50165*	ø 160-250mm	176,500	1		
50166*	ø 160-315mm	160,000	1		
50177	ø 160-355mm	336,500	1		
50169	ø 400-630mm	710,000	1		



including wooden transport box. The butt welding machine can be obtained directly from Ritmo (www.ritmo.it)
* Also available: 110 V (Art. no. 450165 for ø 160–250 mm / Art. no. 450166 for ø 160–315 mm)

ELECTROFUSION DEVICE

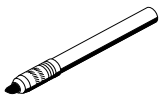
Art. no.	for pipe dimensions	PU	Box unit	Price € m/pc
50175	ø 20-250mm	1		



For processing with electro-fusion-sockets Art. no. 17208–17238.
Special calibration-tools – optainable 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

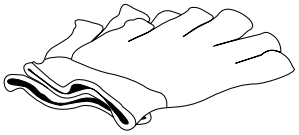
Art. no.	Dimension	PU	Box unit	Price € m/pc
50188		1		

to check the correct welding temperature

TEMPERATURE PREDECTIVE GLOVE

for tool change

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



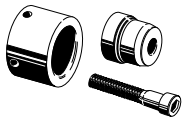
CLEANING WIPES

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

for electrofusion sockets

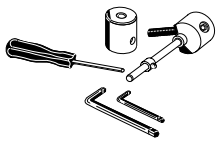
WELDING TOOLS

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



REPAIR SET

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



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

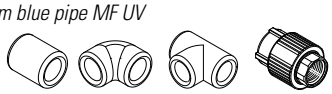
PIPE REPAIR STICK

for pipe repairs

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

aquatherm UNIVERSAL PEELING TOOLS

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



Required for the socket welding
(in combination with socket welding fittings from page 22 onwards, e.g. sockets, elbows , T-pieces, transition pieces with thread)

Also suitable for manual peeling (bolts included)

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

incl. bolts
for manual peeling

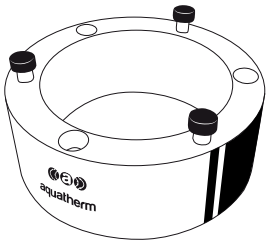
not suitable for aquatherm green pipe S, aquatherm blue pipe S, aquatherm green pipe MF, aquatherm blue pipe MF, aquatherm green pipe MF RP, aquatherm green pipe TI, aquatherm blue pipe TI

S = single, **MF** = multilayer fibre, **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 48)

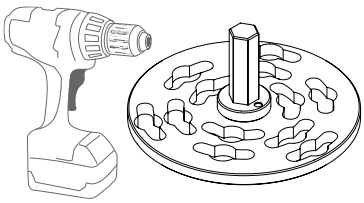
When electrofusion welding a longer welding depth is required, which is achieved by the combination of the universal peeling tool and the extension for the universal peeling tool (e.g. Art. no. 50479+50489)



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

ATTACHMENT PLATE FOR UNIVERSAL PEELING TOOL

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



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

Delivery without drilling machine!

UNIVERSAL PEELING TOOL-SET

20–63 mm

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

consisting of:

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

UNIVERSAL PEELING TOOL-SET

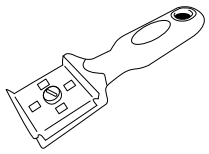
75–125 mm

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

consisting of:

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

MANUAL SCRAPER FOR aquatherm blue pipe OT PIPES



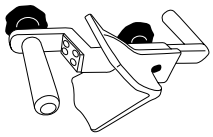
Art. no.	Dimension	PU	Box unit	Price € m/pc
50509	with 4-fold blade, 35 mm wide	1		

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

SPARE BLADE SET FOR ART. NO. 50509

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

CHAMFERING TOOL FOR aquatherm blue pipe OT PIPES



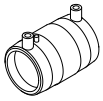
Art. no.	Dimension	PU	Box unit	Price € m/pc
50510	32-250mm	1		

For removal of oxid coating before butt-welding.

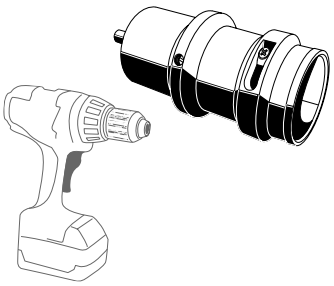
aquatherm PEELING TOOLS FOR ELECTROFUSION SOCKET WELDING (ART. NO.17208–17238)

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 48

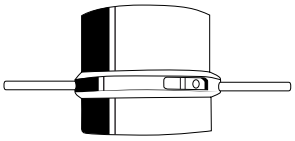


Art. no.	Dimension [mm]	PU	Box unit	Price € m/pc
	In combination with a drilling machine			
50558	20	1		
50560	25	1		
50562	32	1		
50564	40	1		
50566	50	1		
50568	63	1		
50570	75	1		
50572	90	1		
50440	spare blade	1		
	For manual peeling			
50574	110	1		
50576	125	1		
50580	160	1		
50441	spare blade	1		
	For manual peeling			
50592	200 + 250	1		
99739	spare blade	1		

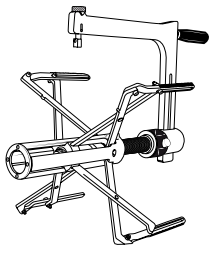


Art. no. 50558–50572

In combination with a drilling machine (not included!)



Art. no. 50574–50580



Art. no. 50592

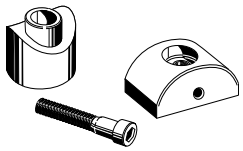
Not suitable for aquatherm green pipe UV, aquatherm blue pipe UV and aquatherm blue pipe OT

S = single, **MF** = multilayer fibre, **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

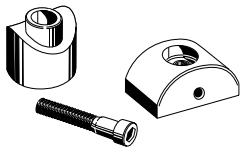
for welding saddles



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

SADDLE WELDING TOOLS

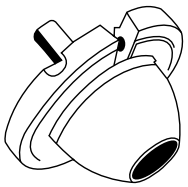
for welding saddles



Art. no.	Dimension	PU	Box unit	Price € m/pc
50684	250x90mm	1		
50686	250x110mm	1		
50688	250x125mm	1		
50690	315x63mm	1		
50692	315x75mm	1		
50694	315x90mm	1		
50696	315x110mm	1		
50698	315x125mm	1		
50699	315x160mm	1		
50712	355x63mm	1		
50714	355x75mm	1		
50716	355x90mm	1		
50718	355x110mm	1		
50720	355x125mm	1		
50722	355x160mm	1		
50726	400-630x63mm	1		
50728	400-500x75mm	1		
50730	560-630x75mm	1		
50732	400-500x90mm	1		
50734	560-630x90mm	1		
50736	400-450x110mm	1		
50738	500-560x110mm	1		
50740	630x110mm	1		
50742	400x125mm	1		
50744	450-500x125mm	1		
50746	560-630x125mm	1		

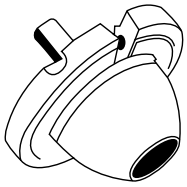
SADDLE PEELING TOOLS FOR OT UND UV PIPES Ø 50–125 mm

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		



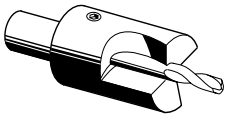
SADDLE PEELING TOOLS FOR OT UND UV PIPES Ø 160–250 mm

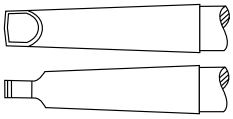
Art. no.	Dimension	PU	Box unit	Price € m/pc
50421	for welding saddles ø 20 & 25 mm	1		
50422	for welding saddles ø 32 mm	1		
50424	for welding saddles ø 40 mm	1		
50426	for welding saddles ø 50 mm	1		
50428	for welding saddles ø 63 mm	1		



DRILLS *for installation of weld-in saddles*

Art. no.	Dimension	PU	Box unit	Price € m/pc
50940	20&25mm (40-160mm)	1		
50941	20&25mm (63-250mm)	1		
50942	32mm	1		
50944	40mm	1		
50946*	50mm	1		
50948*	63mm	1		
50952*/**	90mm	1		
50954*/**	110mm	1		
50956*/**	125mm	1		
50958*/**	160mm	1		



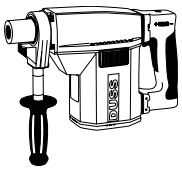


** may only be used in fixed drilling machines! ** tool holder MK4*

Please note: *Art. no. 50950–50958* are discontinued articles who are no longer available after sale of stocks.

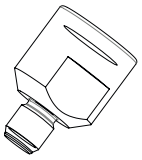
DRILL DUSS DIA303

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



CHUCK ADAPTER FOR ART. NO. 50971

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

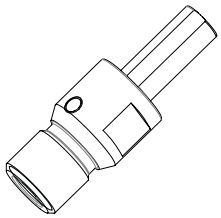


KEYLESS CHUCK clamping range 1,5–13mm

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

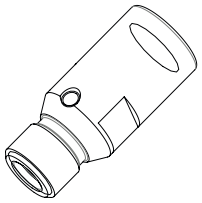
HOLE SAW HOLDER LSA3

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



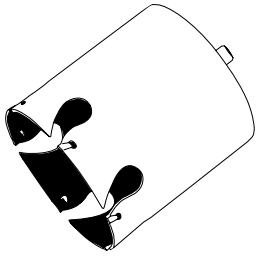
HOLE SAW HOLDER LSA2

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



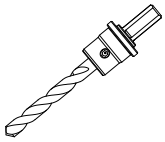
SADDLE-HOLE SAW FOR BRANCH *for assembly of weld-in saddles*

Art. no.	Dimension	PU	Box unit	Price € m/pc
50987	75mm	1		
50988	90mm	1		
50989	110mm	1		
50990	125mm	1		
50991	160mm	1		



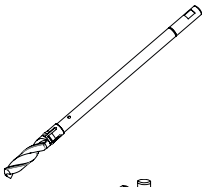
QUICK CHANGE ADAPTER 75–90MM

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



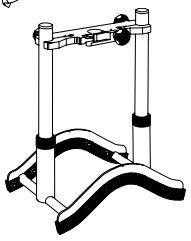
CENTER DRILL LSZ 1

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



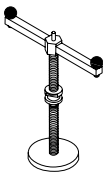
DRILL RIG FOR DUSS-DRILL

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

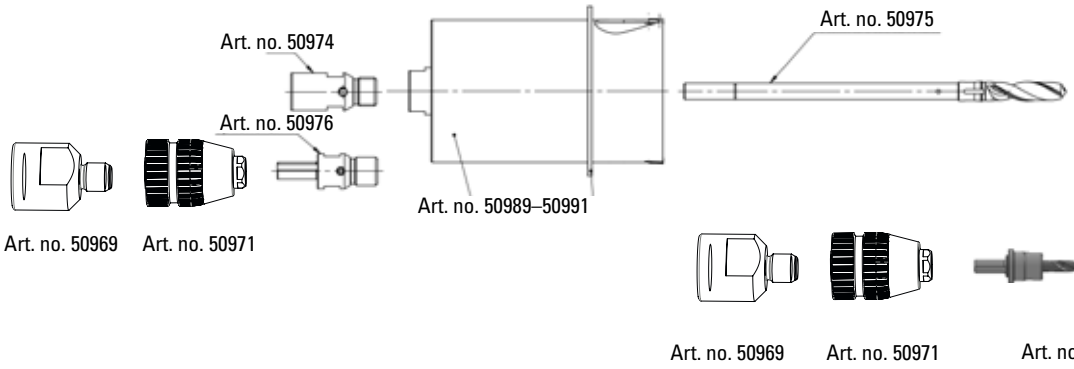


WELDING FIXTURE FOR DRILL RIG 50977

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



HOLE SAW SYSTEM



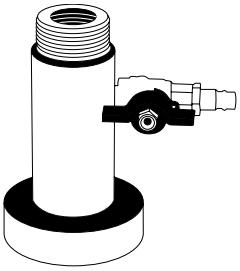
HOT TAPPING TOOL
for drilling of pipes under pressure

The hot tapping tool (Art. no. 50890) is used for drilling pipes for branche connections in the dimensions 40 and 63 mm.
The PP-main pipes aquatherm green pipe, blue pipe and lilac pipe with the **pipe structure S and MF UV** from 75 mm to 630 mm can be drilled under **medium pressure (water) of maximum 6 bar** and a **medium temperature of 10–60 °C.**

HOT TAPPING TOOL
for weld-on saddle set with ball valve

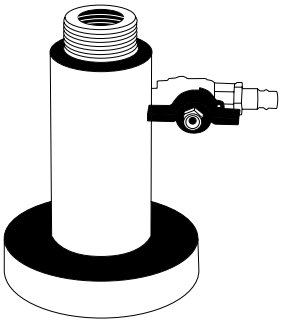
Art. no.	Dimension	PU	Box unit	Price € m/pc
50890	for dimension 40 + 63mm	1		

ADAPTER FOR WELD-ON SADDLE SET WITH BALL VALVE 40 MM
for installation under pressure



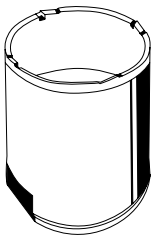
Art. no.	Dimension [mm]	PU	Box unit	Price € m/pc
50891	40	1		

ADAPTER FOR WELD-ON SADDLE SET WITH BALL VALVE 63 MM
for installation under pressure



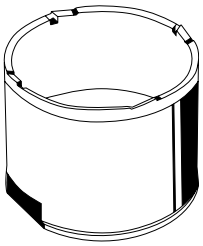
Art. no.	Dimension [mm]	PU	Box unit	Price € m/pc
50892	63	1		

PP-MILLING CUTTER FOR WELD-ON SADDLE SET WITH BALL VALVE 40 MM
for installation under pressure
for Art. no. 50891



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

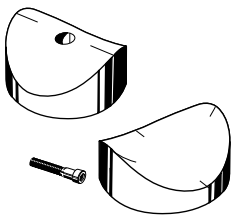
PP-MILLING CUTTER FOR WELD-ON SADDLE SET WITH BALL VALVE 63 MM
for installation under pressure
for Art. no. 50892



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

aquatherm WELD-ON SADDLE TOOL

for weld-on saddle set with ball valve for installation under pressure
for hot tapping tool Art. no. 50890



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

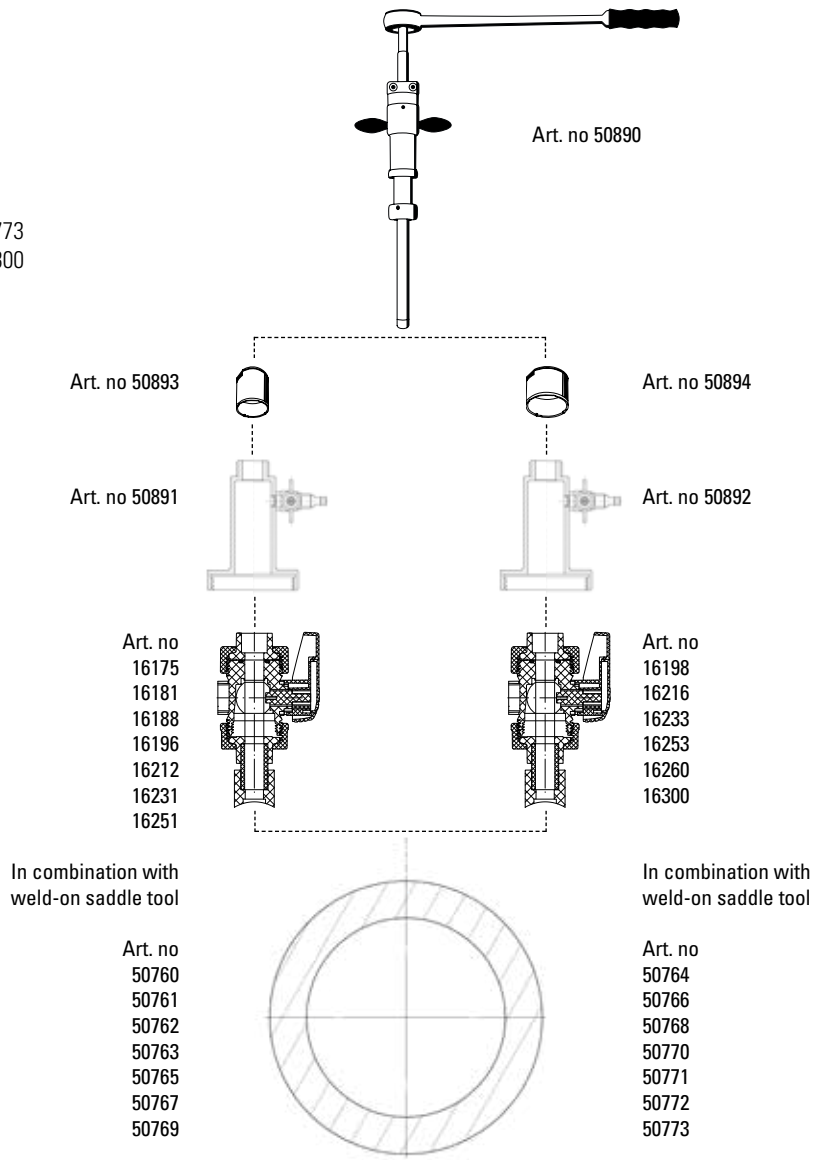
HOT TAPPING TOOL

for drilling pipes under pressure

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

The following accessories are required for processing:

adapter for ball valve 40 mm	Art. no. 50891
adapter for ball valve 63 mm	Art. no. 50892
PP-milling cutter 40 mm	Art. no. 50893
PP-milling cutter 63 mm	Art. no. 50894
aquatherm weld-on saddle tool	Art. no. 50760–50773
aquatherm weld-on saddle set with ball valve (p. 98)	Art. no. 16175–16300



WELDING PROCESS TOOLS AND EQUIPMENT

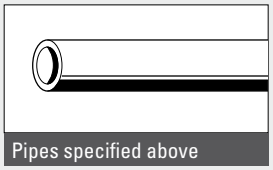
for pipes with additional outer layer/protection layer

aquatherm green pipe 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. SOCKET WELDING 16–125 mm

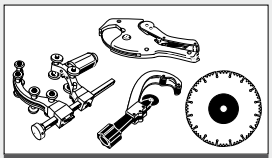
1



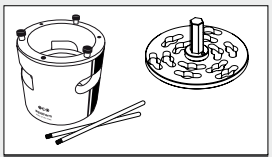
Pipes specified above

from p. 22

Socket welding fittings



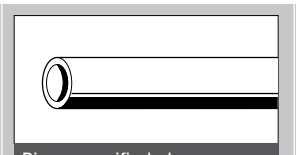
Pipe cutter p.88,127
50104 ø 16–40 mm
Pipe cutter p. 88
50102/50105/50106 ø 16–160 mm
Cutting disc p. 88
50107 ø 125 mm/50109 ø 230 mm



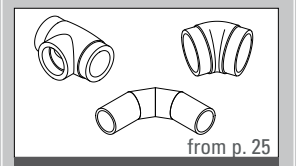
Universal peeling tool p. 91
50479–50488
20–125 mm (16 mm on request)
+ (opt.) Attachment plate* p. 92
50499/50500

2. BUTT WELDING 160–630 mm

2

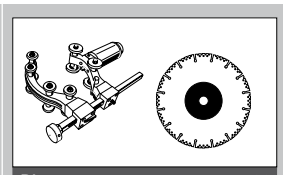


Pipes specified above

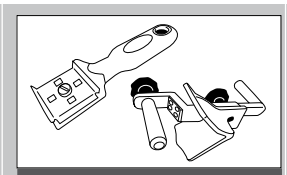


from p. 25

Butt welding fittings



Pipe cutter p. 88
50106 ø 110–160 mm
Orbital circular saw p. 88
50108 ø 160–355 mm
Cutting disc p. 88
50107 ø 125 mm/50109 ø 230 mm



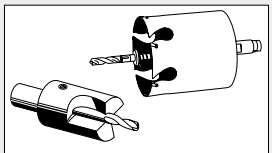
Scraper/Chamfering tool
for OT pipes p. 93
50509
99909
Cutter **for UV-pipes**
not available with aquatherm!

3. SADDLE WELDING 20–160 mm

3

from p. 39

Weld-in saddles

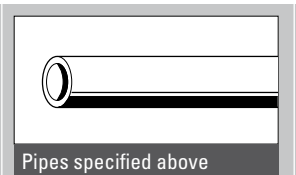


Drill p. 96
50940–50958 50987–50991
20–160mm 75–315mm
From 50 mm we recommend the application of drill presses.

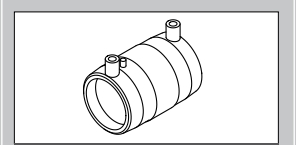
for OT pipes
p. 96
Saddle welding tools *
50921–50928 for ø 50–125 mm
50421–50428 for ø 160–250 mm

4. ELECTROFUSION SOCKET WELDING 20–125 mm

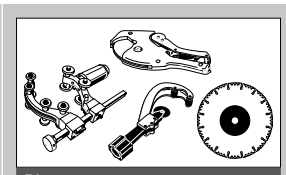
4



Pipes specified above



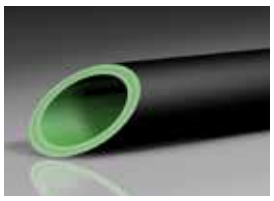
Electrofusion sockets p. 48



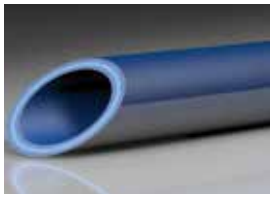
Pipe cutter p. 88,127
50104 ø 16–40 mm
Pipe cutter p. 88
50102/50105/50106 ø 16–160 mm
Cutting disc p. 88
50107 ø 125mm/50109 ø 230mm

Universal peeling tool p. 91
50479–50488 for ø 20–125 mm
+ Extension p. 92
50489–50498
+ (opt.) Attachment plate* p. 92
50499/50500

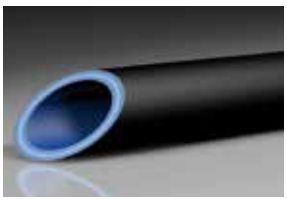
PIPES & FITTINGS	CUTTING	PEELING	DRILLING	SADDLE PEELING / CHAMFERING



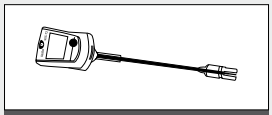
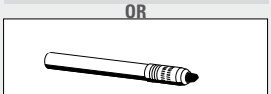
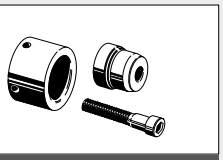
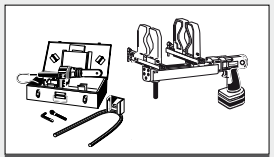
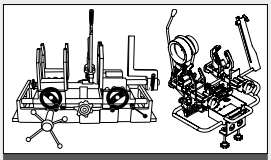
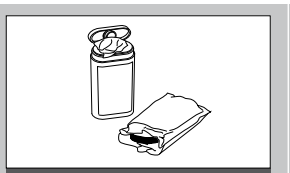
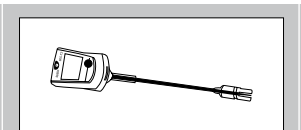
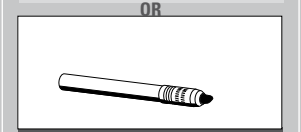
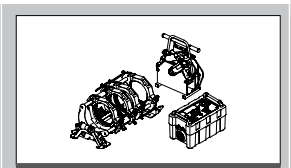
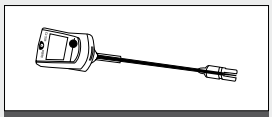
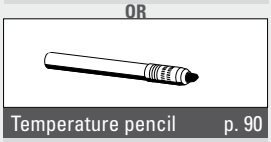
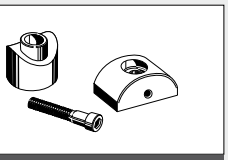
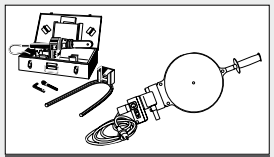
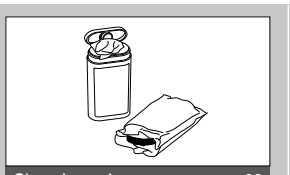
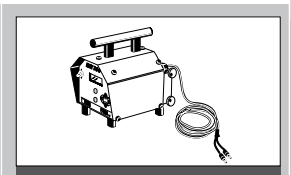
aquatherm green pipe
SDR 7.4/9 MF UV
Page 13



aquatherm blue pipe
SDR 7.4/11 MF OT
Page 19



aquatherm blue pipe
SDR 7.4/11/17.6 MF UV
Page 18

CLEANING	MEASUREMENT OF TEMPERATURE	WELDING TOOLS	MANUAL WELDING DEVICES OR	WELDING MACHINES
1				
Cleaning wipes p. 90 50193	 Surface thermometer p. 90 50188 OR  Temperature pencil p. 90 50190	 Welding tools p. 90 50206–50226	 Manual welding device p. 88 50336 ø 16–32 mm 50337 ø 16–63 mm 50341 ø 50–125 mm (opt.) Electric welding jig p. 89 50159 for ø 63–125 mm	 Welding machine p. 89 50148 for ø 50–125 mm Welding machine Light p. 89 50145 for ø 63–125 mm
2				
 Cleaning wipes p. 90 50193	 Surface thermometer p. 90 50188 OR  Temperature pencil p. 90 50190			 Butt-welding two-ring machine p. 89 50350–50351 ø 160–315 mm Butt welding machine p. 89 / 90 50352–50357 ø 160–630 mm 50165–50177 ø 160–630 mm
3				
Cleaning wipes p. 90 50193	 Surface thermometer p. 90 50188 OR  Temperature pencil p. 90 50190	 Saddle welding tools p.94 50614–50746	 Manual welding device p. 88 50336 ø 16–32 mm 50337 ø 16–63 mm 50341 ø 50–125 mm 50330 ø 50–160 mm	
4				
 Cleaning wipes p. 90 50193				 Electrofusion device p. 90 50175 ø 20–250 mm

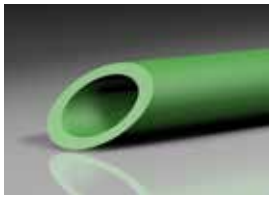
CLEANING | MEASUREMENT OF TEMPERATURE | WELDING TOOLS | MANUAL WELDING DEVICES OR | WELDING MACHINES

* in combination with a drilling machine (not included!)

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

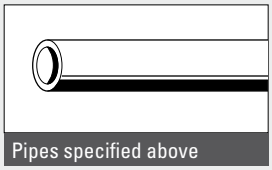


aquatherm green pipe
SDR 6/7.4 S
Page 14

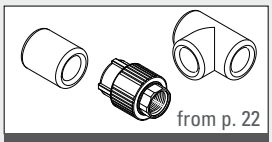
PIPES & FITTINGS	CUTTING	PEELING	DRILLING	SADDLE PEELING / CHAMFERING

1. SOCKET WELDING 16–125 mm

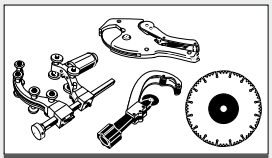
1



Pipes specified above



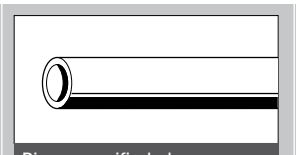
from p. 22
Socket welding fittings



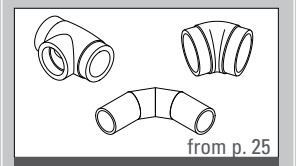
Pipe cutter p.88,127
50104 ø 16–40 mm
Pipe cutter p. 88
50102/50105/50106 ø 16–160 mm
Cutting disc p. 88
50107 ø 125 mm/50109 ø 230 mm

2. BUTT WELDING 160–630 mm

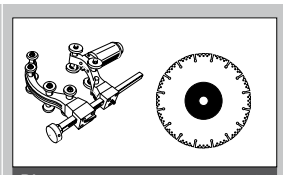
2



Pipes specified above



from p. 25
Butt welding fittings



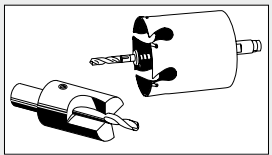
Pipe cutter p. 88
50106 ø 110–160 mm
Orbital circular saw p. 88
50108 ø 160–355 mm
Cutting disc p. 88
50107 ø 125 mm/50109 ø 230 mm

3. SADDLE WELDING 20–160 mm

3

Pipes specified above

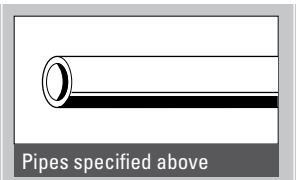
from p. 39
Weld-in saddles



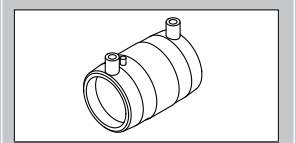
Drill p. 96
50940–50958 50987–50991
20–160mm 75–315mm
From 50 mm we recommend the application of drill presses.

4. ELECTROFUSION SOCKET WELDING 20–250 mm

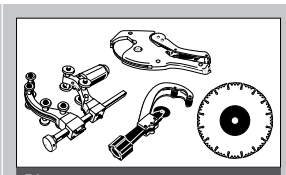
4



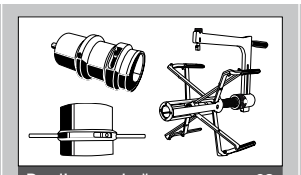
Pipes specified above



Electrofusion sockets p. 48

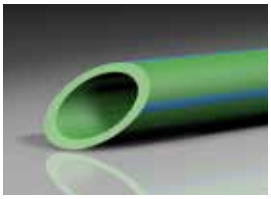


Pipe cutter p.88,127
50104 ø 16–40 mm
Pipe cutter p. 88
50102/50105/50106 ø 16–160 mm
Cutting disc p. 88
50107 ø 125 mm/50109 ø 230 mm



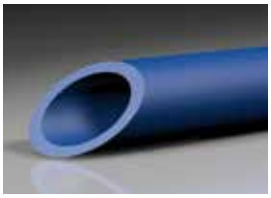
Peeling tools * p. 93
50558–50572
20–90 mm
Manual peeling tools p. 93
50574–50592
110–250 mm

PIPES & FITTINGS	CUTTING	PEELING	DRILLING	SADDLE PEELING / CHAMFERING

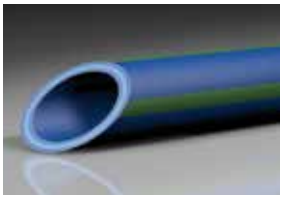


aquatherm green pipe
SDR 11 S
Page 15

aquatherm green pipe
SDR 7.4 MF / SDR 9 MF RP
Page 11

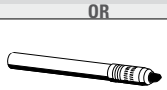
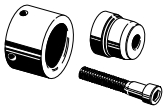
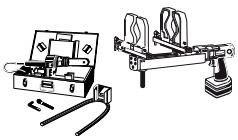
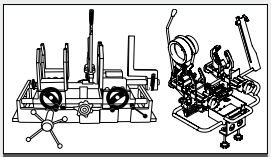
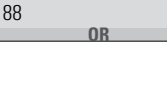
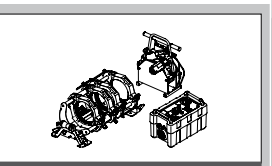
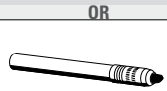
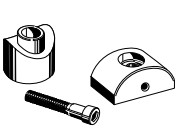
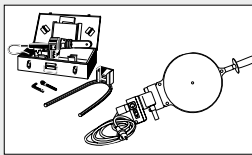
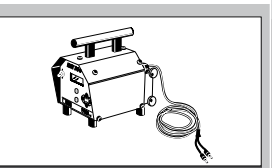


aquatherm blue pipe
SDR 11 S
Page 19



aquatherm blue pipe
SDR 7.4/11/17.6 MF
Page 17

aquatherm lilac pipe
SDR 7.4/11 S
Page 20

CLEANING	MEASUREMENT OF TEMPERATURE	WELDING TOOLS	MANUAL WELDING DEVICES OR	WELDING MACHINES
1				
Cleaning wipes p. 90 50193	Surface thermometer p. 90 50188 OR  Temperature pencil p. 90 50190	 Welding tools p. 90 50206–50226	 Manual welding device p. 88 50336 ø 16–32 mm 50337 ø 16–63 mm 50341 ø 50–125 mm (opt.) Electric welding jig p. 89 50159 for ø 63–125 mm	 Welding machine p. 89 50148 for ø 50–125 mm Welding machine Light p. 89 50145 for ø 63–125 mm
2				
Cleaning wipes p. 90 50193	Surface thermometer p. 90 50188 OR  Temperature pencil p. 90 50190			 Butt-welding two-ring machine p. 89 50350–50351 ø 160–315 mm Butt-welding machine p. 89 / 90 50352–50357 ø 160–630 mm 50165–50177 ø 160–630 mm
3				
Cleaning wipes p. 90 50193	Surface thermometer p. 90 50188 OR  Temperature pencil p. 90 50190	 Saddle welding tools p.94 50614–50746	 Manual welding device p. 88 50336 ø 16–32 mm 50337 ø 16–63 mm 50341 ø 50–125 mm 50330 ø 50–160 mm	
4				
Cleaning wipes p. 90 50193				 Electrofusion device p. 90 50175 ø 20–250 mm

CLEANING | MEASUREMENT OF TEMPERATURE | WELDING TOOLS | MANUAL WELDING DEVICES OR | WELDING MACHINES

* in combination with a drilling machine (not included!)

SLIDING SLEEVE TECHNOLOGY TOOLS AND EQUIPMENT

aquatherm grey pipe
PB-connection pipe 16–25 mm
Multi-layer metal composite pipe 16–40 mm

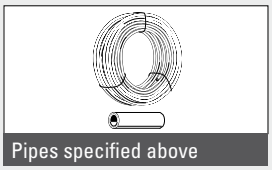
aquatherm orange system
PE-RT-pipe 10–25 mm
PB-pipe 16&17 mm

aquatherm black system
Drywall-heating element
with sliding sleeve connection

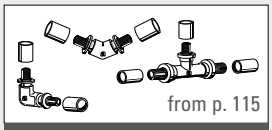
PIPES & FITTINGS | FALSE JAWS | EXPANDING | TOOL INSERTS | MOUNTING

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

1

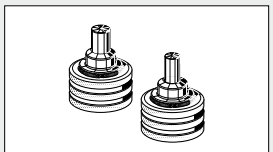


Pipes specified above

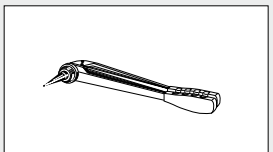


from p. 115

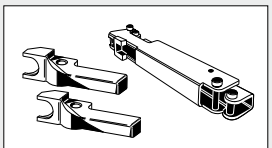
Fittings with sliding sleeves



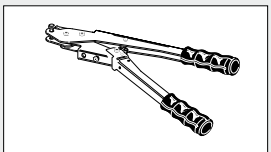
False jaws p. 128
50857–50864
ø 16–40 mm



Expanding tool p. 128
50800
ø 10–40 mm



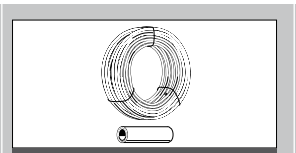
Tool insert p. 129
50824–50834 for ø 10–40 mm
+(opt.) Angle attachment p.129
50803



Mounting tool p. 129
50802
ø 10–40 mm

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

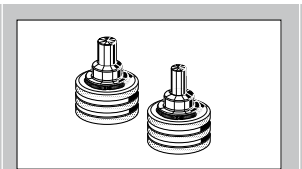
2



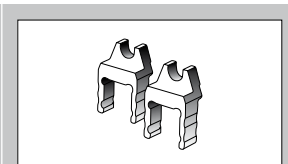
Pipes specified above

from p. 115

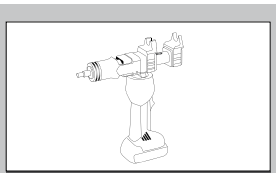
Fittings with sliding sleeves



False jaws p. 128
50857–50864
ø 16–40 mm



Tool inserts p. 129
50875–50882
ø 16–40 mm

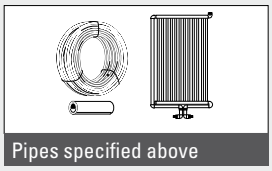


Hydraulic accumulator mounting tool p. 128
50809
ø 16–40 mm

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

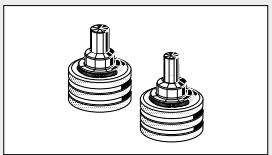
3



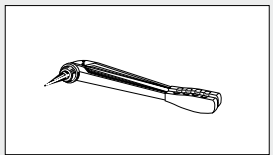
Pipes specified above

from p. 115

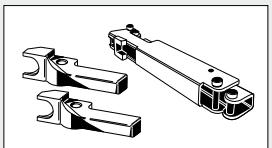
Fittings with sliding sleeves



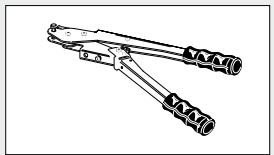
False jaws p. 128
50814–50820
ø 10–25 mm



Expanding tool S. 128
50800
ø 10–40 mm



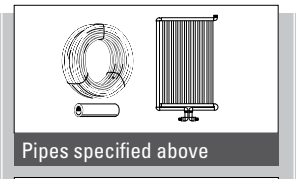
Tool insert p. 129
50824–50834 for ø 10–40 mm
+(opt.) Angle attachment p.129
50803



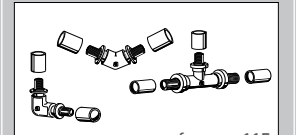
Mounting tool p. 129
50802
ø 10–40 mm

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

4

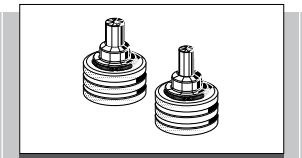


Pipes specified above

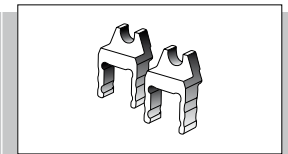


from p. 115

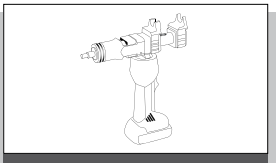
Fittings with sliding sleeves



False jaws p. 128
50814–50820
ø 10–25 mm



Tool inserts p. 129
50875–50882
ø 16–40 mm



Hydraulic accumulator mounting tool p. 128
50809
ø 16–40 mm

aquatherm Prefabrication

Advantages aquatherm Prefabrication: Planning, fabrication and service

Investors

- Support from planning to commissioning
- Service technicians provide advice and support on site
- Development of customized solutions
- Time- and cost savings due to pre-fabrication
- Cost transparency
- Quick and easy installation into existing systems
- Reduce dead-time
- Over 40 years of proven quality and experience
- Insurance cover up to 20 million Euros per individual case

Architects and planners

- Planning support from the aquatherm design team
- Support for the plausibility and completeness check
- Provision of CAD and planning data
- Detailed planning data for testing and production release
- 3D drawings minimize design errors
- Early detailed planning means planning and cost reliability
- High precision of the components due to pre-fabrication
- Time saving through pre-fabrication
- Years of experience in manifold and plant construction

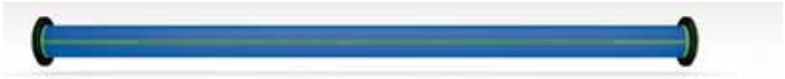
Advantages of aquatherm manifolds and special components

- Consistent quality by industrial prefabrication „Made in Germany“
- Certified and inspected – ISO 9001/ISO 14001/ISO 50001
- Resistance to corrosion, chemicals and aggressive media
- Pre-insulated available
- Thinner insulation
- UV-resistance available
- Heat-/sound-insulating properties
- Oxygen-tight[1]
- Hygienic[2]
- Weight reduction due to the use of PP-R
- No silting by corrosion products
- Less pipe roughness and high abrasion resistance
- High impact strength
- Tight connection of pipe and fitting by fusion
- Three-layer pipe structure with glass fiber-reinforced middle-layer
- Flame resistant according to DIN 4102-1, building material class B 1[3]
- Recyclable
- Durable

Plumbers/Plant engineers

- High, tested quality with a 10 years warranty
- Support and advice of service technicians on site
- Highest accuracy due to detailed planning
- Order monitoring and delivery by the specialized wholesale
- No delays due to missing parts
- Low tooling costs
- Rapid add-on by aquatherm saddle-technique
- Weight reduction due to the use of PP-R, thus easier handling during transport and on site
- No improvise on site
- Fast installation times
- Installation in confined spaces is possible
- Compensation of skills shortage

[1] aquatherm blue pipe OT
[2] aquatherm green pipe
[3] aquatherm red pipe



aquatherm green / blue pipe **TWO-SIDED** WITH FLANGE ADAPTER AND LOOSE FLANGE **5.8 M**

MF = Multifaser / S = single layer pipe as single pipe in 5.8 m length

Outside diameter	aquatherm green pipe SDR 9		aquatherm green pipe SDR 11		aquatherm blue pipe SDR 11		aquatherm blue pipe ot SDR 11		aquatherm blue pipe SDR 17,6		PU
Medium pipe [mm]	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	m/pc
160	**7270729**		**7310229***		**8370129**		**8570129**		**8470129**		5.8
200	**7270733**		**7310233***		**8370133**		**8570133**		**8470133**		5.8
250	**7270737**		**7310237***		**8370137**		**8570137**		**8470137**		5.8
315	**7270741**		**7310241***		**8370141**				**8470141**		5.8
355	**7270743**		**7310243***		**8370143**				**8470143**		5.8
400			**7310245**		**8370145**				**8470145**		5.8
450			**7310247**		**8370147**				**8470147**		5.8
500									**8470149**		5.8
560									**8470151**		5.8
630									**8470153**		5.8

* single layer

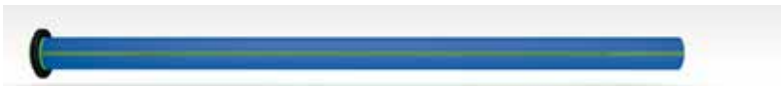
Flanges from 200 mm = PN 10, other flanges (PN 6 and PN 16) available on request

aquatherm green / blue pipe **TWO-SIDED** WITH FLANGE ADAPTER AND LOOSE FLANGE **11.6 M**

MF = Multifaser / S = single layer pipe as single pipe in 11.6 m length

Outside diameter	aquatherm green pipe SDR 9		aquatherm green pipe SDR 11		aquatherm blue pipe SDR 11		aquatherm blue pipe ot SDR 11		aquatherm blue pipe SDR 17,6		PU
Medium pipe [mm]	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	m/pc
160	**7270730**		**7310230***		**8370130**		**8570130**		**8470130**		11.6
200	**7270734**		**7310234***		**8370134**		**8570134**		**8470134**		11.6
250	**7270738**		**7310238***		**8370138**		**8570138**		**8470138**		11.6
315	**7270742**		**7310242***		**8370142**				**8470142**		11.6
355	**7270744**		**7310244***		**8370144**				**8470144**		11.6
400			**7310246**		**8370146**				**8470146**		11.6
450			**7310248**		**8370148**				**8470148**		11.6
500									**8470150**		11.6
560									**8470152**		11.6
630									**8470154**		11.6

* single layer

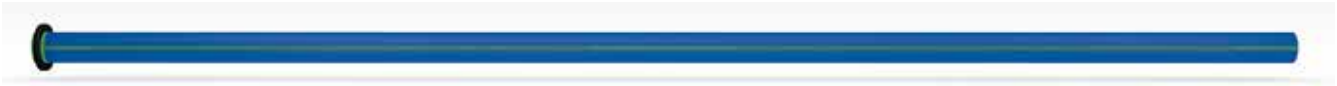


aquatherm green / blue pipe **ONE-SIDED** WITH FLANGE ADAPTER AND LOOSE FLANGE **5.8 M**

MF = Multifaser / S = single layer pipe as single pipe in 5.8 m length

Outside diameter	aquatherm green pipe SDR 9		aquatherm green pipe SDR 11		aquatherm blue pipe SDR 11		aquatherm blue pipe ot SDR 11		aquatherm blue pipe SDR 17,6		PU
Medium pipe [mm]	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	m/pc
160	**7270829**		**7310329***		**8370329**		**8570329**		**8470329**		5.8
200	**7270833**		**7310333***		**8370333**		**8570333**		**8470333**		5.8
250	**7270837**		**7310337***		**8370337**		**8570337**		**8470337**		5.8
315	**7270841**		**7310341***		**8370341**				**8470341**		5.8
355	**7270843**		**7310343***		**8370343**				**8470343**		5.8
400			**7310345**		**8370345**				**8470345**		5.8
450			**7310347**		**8370347**				**8470347**		5.8
500									**8470349**		5.8
560									**8470351**		5.8
630									**8470353**		5.8

* single layer

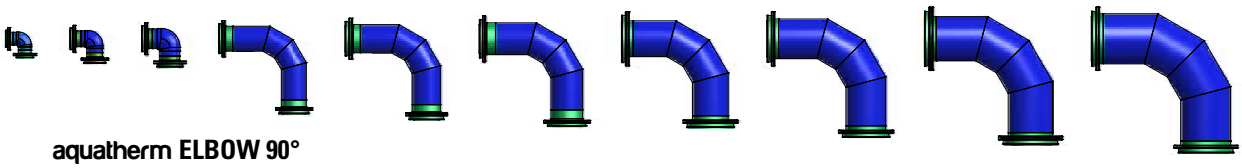


aquatherm green / blue pipe ONE-SIDED WITH FLANGE ADAPTER AND LOOSE FLANGE **11.6 M**

MF = Multifaser / S = single layer pipe as single pipe in 11.6 m length

Outside diameter	aquatherm green pipe SDR 9		aquatherm green pipe SDR 11		aquatherm blue pipe SDR 11		aquatherm blue pipe ot SDR 11		aquatherm blue pipe SDR 17,6		PU
Medium pipe [mm]	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	m/pc
160	**7270830**		**7310330***		**8370330**		**8570330**		**8470330**		11.6
200	**7270834**		**7310334***		**8370334**		**8570334**		**8470334**		11.6
250	**7270838**		**7310338***		**8370338**		**8570338**		**8470338**		11.6
315	**7270842**		**7310342***		**8370342**				**8470342**		11.6
355	**7270844**		**7310344***		**8370344**				**8470344**		11.6
400			**7310346**		**8370346**				**8470346**		11.6
450			**7310348**		**8370348**				**8470348**		11.6
500									**8470350**		11.6
560									**8470352**		11.6
630									**8470354**		11.6

* single layer



aquatherm ELBOW 90°

Outside diameter	aquatherm green pipe SDR 9		aquatherm green pipe SDR 11		aquatherm blue pipe SDR 11		aquatherm blue pipe ot SDR 11		aquatherm blue pipe SDR 17,6		PU
Medium pipe [mm]	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	pc
160	**7212130**		**7312131**		**8312131**		**8512131**		**8412130**		1
200	**7212134**		**7312135**		**8312135**		**8512135**		**8412134**		1
250	**7212138**		**7312139**		**8312139**		**8512139**		**8412138**		1
315	**7212142**		**7312143**		**8312143**				**8412142**		1
355	**7212144**		**7312145**		**8312145**				**8412144**		1
400			**7312147**		**8312147**				**8412146**		1
450			**7312149**		**8312149**				**8412148**		1
500									**8412150**		1
560									**8412152**		1
630									**8412154**		1

On demand also available in design 60° and 75°

aquatherm ti FIBER COMPOSITE PIPE **TWO-SIDED** WITH FLANGE ADAPTER AND LOOSE FLANGE **5.8 M**

Fiber composite pipe as single pipe in 5.8 m length with PUR- rigid foam insulation and PE-casing pipe.

Outside diameter		aquatherm green pipe ti SDR 9		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11		aquatherm blue pipe ti SDR 17,6		PU
Medium pipe [mm]	Casing pipe [mm]	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	m/pc
160	250	**7470729**		**8770129**		**8970129**		**8870129**		5.8
200	315	**7470733**		**8770133**		**8970133**		**8870133**		5.8
250	400	**7470737**		**8770137**		**8970137**		**8870137**		5.8
315	450	**7470741**		**8770141**				**8870141**		5.8
355	500	**7470743**		**8770143**				**8870143**		5.8

aquatherm ti FIBER COMPOSITE PIPE **TWO-SIDED** WITH FLANGE ADAPTER AND LOOSE FLANGE **11.6 M**

Fiber composite pipe as single pipe in 11.6 m length with PUR- rigid foam insulation and PE-casing pipe.

Outside diameter		aquatherm green pipe ti SDR 9		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11		aquatherm blue pipe ti SDR 17,6		PU
Medium pipe [mm]	Casing pipe [mm]	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	m/pc
160	250	**7470730**		**8770130**		**8970130**		**8870130**		11.6
200	315	**7470734**		**8770134**		**8970134**		**8870134**		11.6
250	400	**7470738**		**8770138**		**8970138**		**8870138**		11.6
315	450	**7470742**		**8770142**				**8870142**		11.6
355	500	**7470744**		**8770144**				**8870144**		11.6

aquatherm ti FIBER COMPOSITE PIPE **ONE-SIDED** WITH FLANGE ADAPTER AND LOOSE FLANGE **5.8 M**

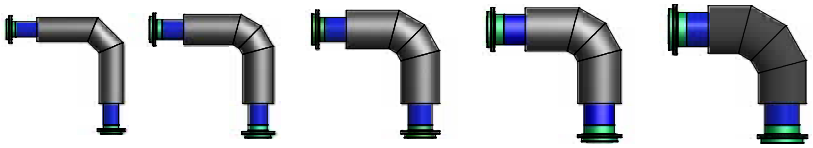
Fiber composite pipe as single pipe in 5.8 m length with PUR- rigid foam insulation and PE-casing pipe.

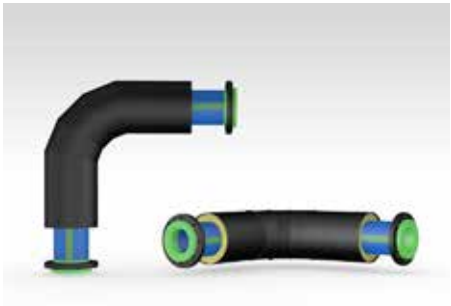
Outside diameter		aquatherm green pipe ti SDR 9		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11		aquatherm blue pipe ti SDR 17,6		PU
Medium pipe [mm]	Casing pipe [mm]	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	m/pc
160	250	**7470829**		**8770329**		**8970329**		**8870329**		5.8
200	315	**7470833**		**8770333**		**8970333**		**8870333**		5.8
250	400	**7470837**		**8770337**		**8970337**		**8870337**		5.8
315	450	**7470841**		**8770341**				**8870341**		5.8
355	500	**7470843**		**8770343**				**8870343**		5.8

aquatherm ti FIBER COMPOSITE PIPE **ONE-SIDED** WITH FLANGE ADAPTER AND LOOSE FLANGE **11.6 M**

Fiber composite pipe as single pipe in 11.6 m length with PUR- rigid foam insulation and PE-casing pipe.

Outside diameter		aquatherm green pipe ti SDR 9		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11		aquatherm blue pipe ti SDR 17,6		PU
Medium pipe [mm]	Casing pipe [mm]	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	m/pc
160	250	**7470830**		**8770330**		**8970330**		**8870330**		11.6
200	315	**7470834**		**8770334**		**8970334**		**8870334**		11.6
250	400	**7470838**		**8770338**		**8970338**		**8870338**		11.6
315	450	**7470842**		**8770342**				**8870342**		11.6
355	500	**7470844**		**8770344**				**8870344**		11.6





aquatherm ti ELBOW 90°

with PUR-rigid foam insulation and PE-casing pipe

Outside diameter		aquatherm green pipe ti SDR 9		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11		aquatherm blue pipe ti SDR 17,6		PU
Medium pipe [mm]	Casing pipe [mm]	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	Art. no.	Price € m/pc	pc
160	250	**7412130**		**8712131**		**8912131**		**8812130**		1
200	315	**7412134**		**8712135**		**8912135**		**8812134**		1
250	400	**7412138**		**8712139**		**8912139**		**8812138**		1
315	450	**7412142**		**8712143**				**8812142**		1
355	500	**7412144**		**8712145**				**8812144**		1

On demand also available in design 60° and 75°

aquatherm grey pipe

POTABLE WATER AND HEATING CONNECTION SYSTEM

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

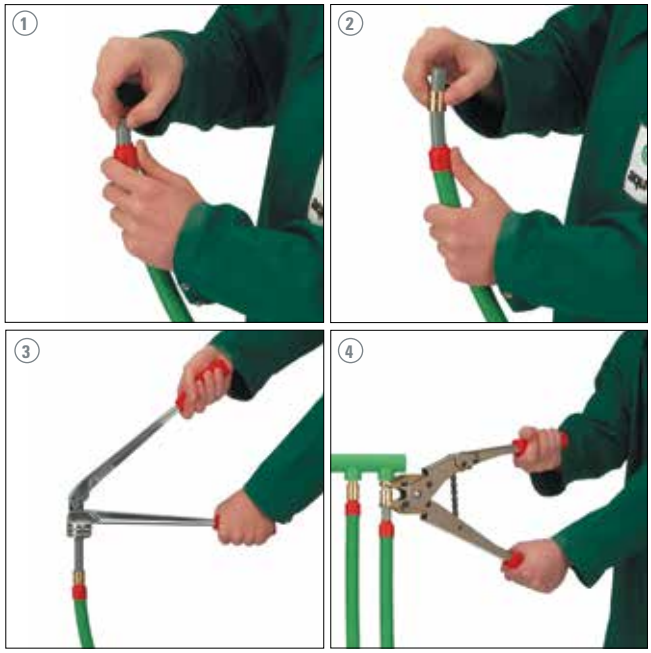
Depending on the application or request you can chose between insulated and non-insulated pipe and the variant with corrugated pipe. All systems are DVGW-approved.

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

- Extensive product range
- Dimension 16–40 mm
- No corrosion or incrustation
- Absolutely safe and proven connection technology
- Oxygen barrier
- Suitable for each water quality
- Quick and safe installation
- By means of bending tool even narrow installation situations are feasible
- Low weight
- Combinable with the **aquatherm green pipe** system
- Pressure and temperature resistant

Fields of application

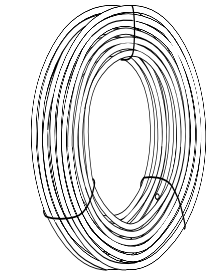
SLIDING-SLEEVE CONNECTION



aquatherm grey pipe **MULTILAYER-METAL COMPOSITE PIPE**

oxygen-tight

Art. no.	Dimension	PU	Box unit	Price € m/pc
... ring				
777070	16 mm	100		
777072	20 mm	100		
... in length à 4 m				
777050	16mm	100		
777052	20mm	65		
777054	25mm	45		
777056	32mm	35		
... in length à 4 m				
777058	40mm	40		



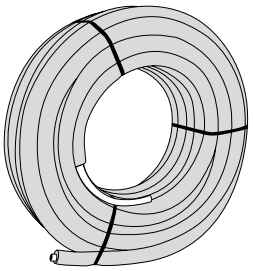
Material:	PE-X	Application field:	Potable water/heating
Color:	white	Operating temperature:	70 °C
Form supplied:	ring/straight length	DVGW-Registr.-No.:	DW-8216 BT0628 DW-8217 AT2505
		According to:	DIN 4726 oxygen-tight

Please use only the suitable expansion tools Art. no. 50857, 50860, 50862, 50864 for the multilayer-metal composite pipe.

aquatherm grey pipe **MULTILAYER-METAL COMPOSITE PIPE**

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

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

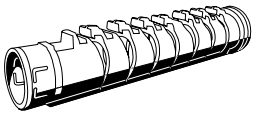


Material:	PE-X	Application field:	Potable water/heating
Color:	white	DVGW-Registr.-No.:	DW-8216 BT0628 DW-8217 AT2505
Form supplied:	ring	According to:	DIN 4726 oxygen-tight
Operating temperature:	70 °C	Thermal conductivity of insulation	0,040 W/mK
		Insulation thickness:	10 mm

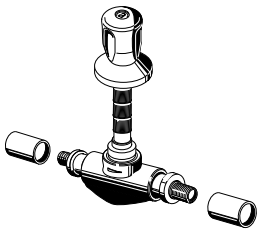
Please use only the suitable expansion tools Art. no. 50857, 50860, 50862, 50864 for the multilayer-metal composite pipe.

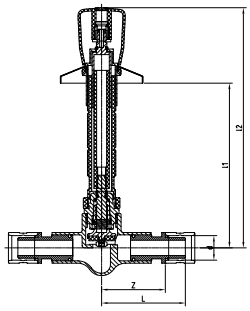
aquatherm grey pipe **SNAP IN RADIUS SUPPORT**

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



Material:	PE
Colour:	black



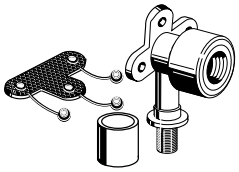


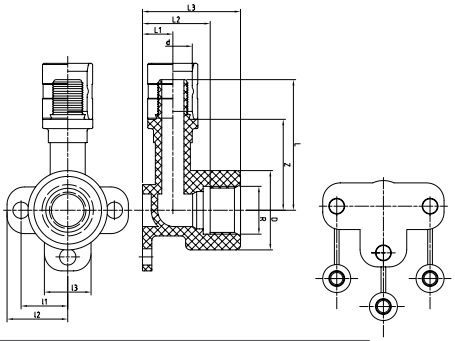
aquatherm grey pipe **CONCEALED STOP VALVE**

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

Art. no.	d [mm]	Z [mm]	L [mm]	l1 [mm]	l2 [mm]	PU	Price € m/pc
779858	**20**	54,0	71,0	139,5	203,5	1	

suitable for construciton depth from 55–100 mm





aquatherm grey pipe **BACK PLATE ELBOW**

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

Art. no.	d [mm]	R	D [mm]	Z [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	l1 [mm]	l2 [mm]	l3 [mm]	PU	Price € m/pc
779000	**16**	**1/2"**	34,0	39,0	56,0	13,0	29,0	42,0	0,00	26,0	20,0	1	
779002	**20**	**3/4"**	40,0	42,0	59,0	13,0	29,0	42,0	0,00	31,0	20,0	1	
779004	**20**	**1/2"**	34,0	39,0	56,0	13,0	29,0	42,0	0,00	26,0	20,0	1	
779006	**25**	**3/4"**	33,0	36,0	54,0	27,0	29,0	48,0	0,00	26,0	20,0	1	

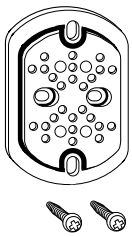
Material: PPSU/brass
including acustic panel (PP)
proper to sound insulation plate Art. no. 79080

aquatherm grey pipe **SOUND INSULATION PLATE**

for aquatherm green pipe and aquatherm grey pipe back plate elbow

Art. no.	Dimension	PU	Price € m/pc
79080		2	

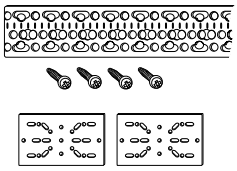
suitable with the mouning rail Art. no. 79090
See Z-measures, page 49,112.



MOUNTING RAIL

Art. no.	Dimension	PU	Price € m/pc
79090	560mm	1	

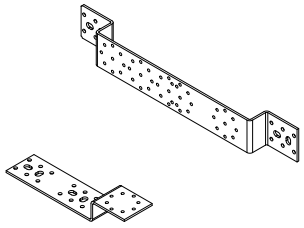
galvanized, for assembly of back plate elbow, including 2 fixing plates and 4 screws
See Z-measures, page 49,112.



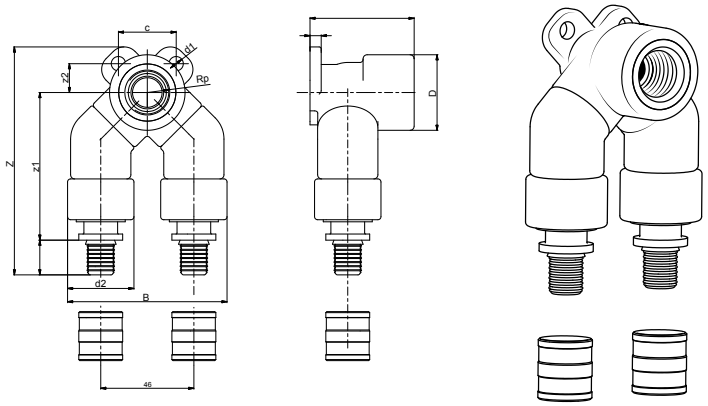
MOUNTING RAIL (TWIN AND SINGLE)

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

galvanized, for fixing of back plate
See Z-measures, page 50,112.



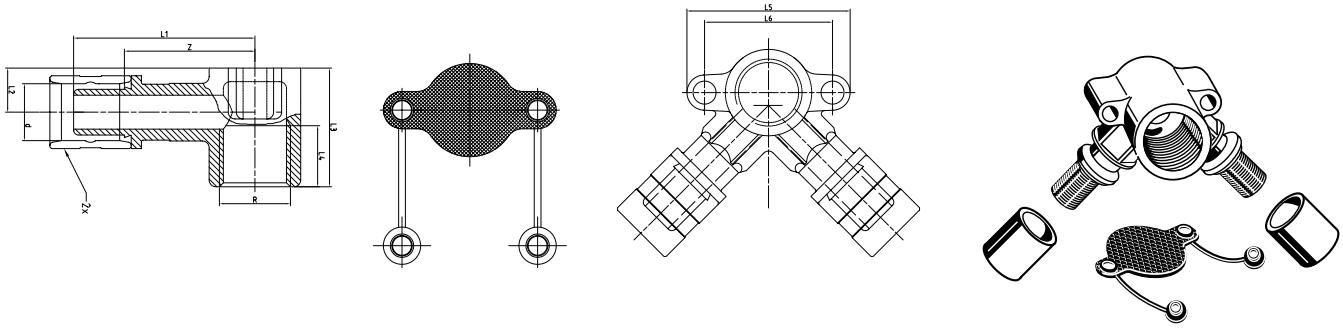
PRINCIPLE OF FLOW-THROUGH BACK PLATE ELBOW



aquatherm grey pipe FLOW-THROUGH BACK PLATE ELBOW, PARALLEL

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

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

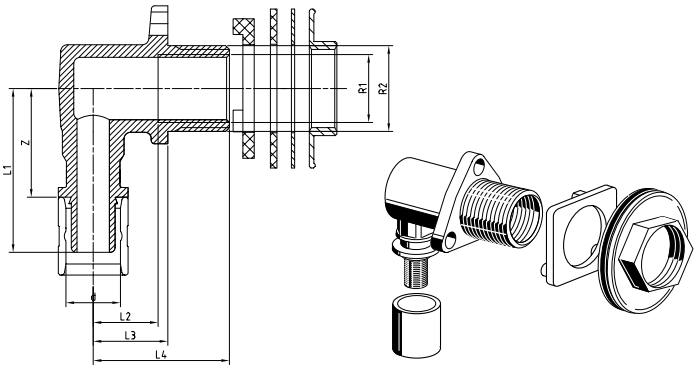


aquatherm grey pipe BACK PLATE ELBOW, TWIN

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

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

Material: brass
including acoustic panel (PP)

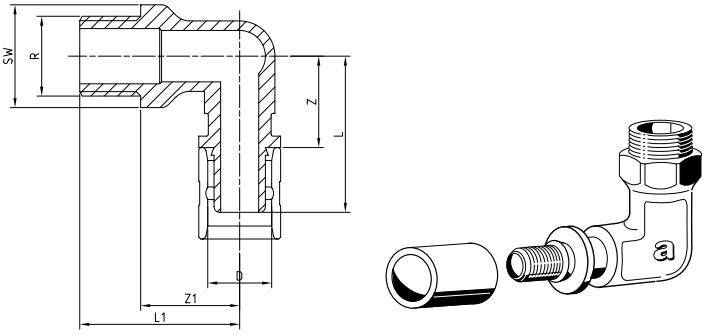


aquatherm grey pipe **CONNECTING ELBOW FOR CONCEALED CISTERN**

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

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

Material: brass
including counternut, gasket and spring washer

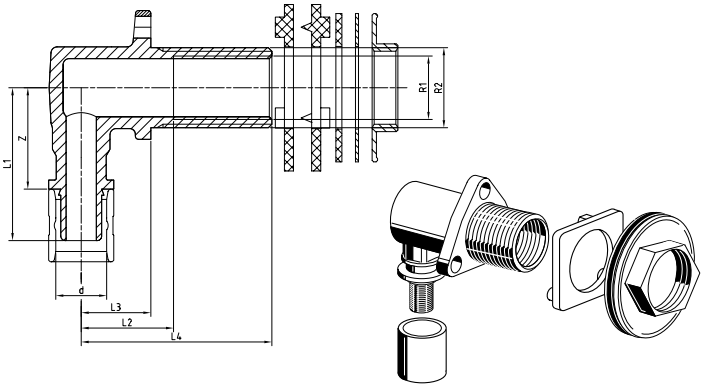


aquatherm grey pipe **TRANSITION ELBOW**

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

Art. no.	D [mm]	R	Z [mm]	Z1 [mm]	L [mm]	L1 [mm]	SW [mm]	PU	Price € m/pc
779030	16	1/2“	24,0	26,0	41,0	42,0	24	2	
779032	20	1/2“	24,0	26,0	41,0	42,0	24	2	
779033	20	3/4“	25,5	21,0	42,5	38,0	-	2	
779034	25	3/4“	26,0	21,0	44,0	38,0	-	2	
779036	32	3/4“	30,0	20,0	51,0	38,0	-	2	
779038	32	1“	33,0	29,0	54,0	47,0	-	2	
779039	40	1 1/4“	42,0	35,0	36,0	73,0	42	1	

Material: brass

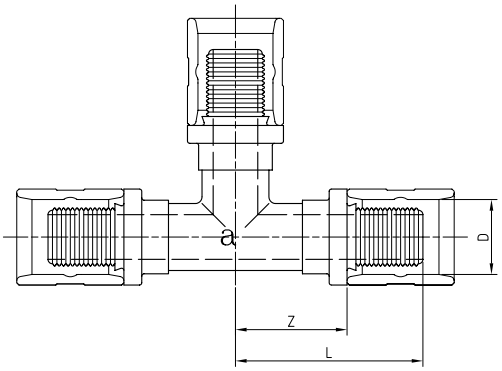


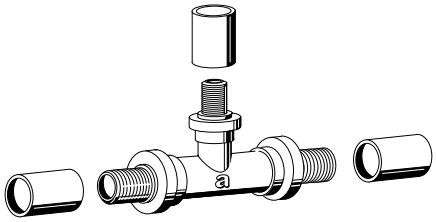
aquatherm grey pipe **CONNECTING ELBOW**

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

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

Material: brass
including counternut, gasket and 2 spring washers



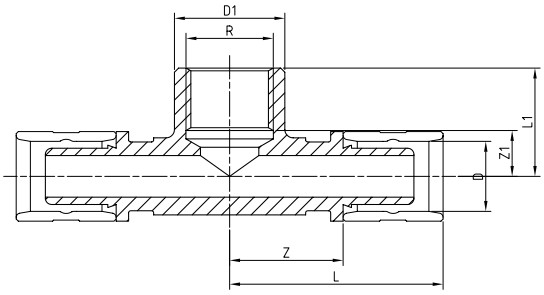


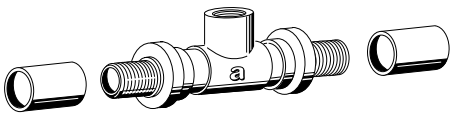
aquatherm grey pipe **TEE**

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

Art. no.	D [mm]	Z [mm]	L [mm]	PU	Price € m/pc
779100	**16**	25,0	42,0	2	
779102	**20**	24,0	41,0	2	
779104	**25**	27,0	45,0	2	
779106	**32**	33,8	54,8	2	
779108	**40**	42,0	73,0	2	

Material: PPSU/brass



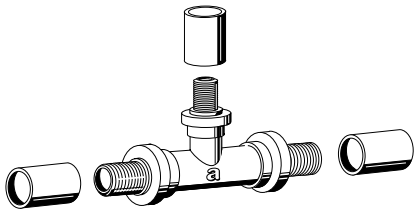


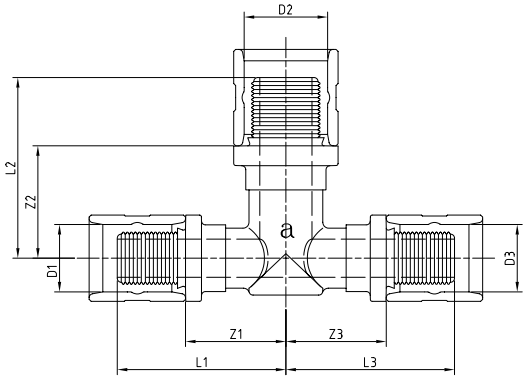
aquatherm grey pipe **TEE WITH FEMALE THREAD**

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

Art. no.	D [mm]	R	Z [mm]	L [mm]	D1 [mm]	L1 [mm]	Z1 [mm]	PU	Price € m/pc
779160	**16**	**1/2"**	27,3	44,3	26,5	26,0	11,0	2	
779162	**20**	**1/2"**	26,3	43,3	26,3	26,0	11,0	2	
779163	**25**	**1/2"**	30,0	54,0	32,0	28,0	9,0	2	
779164	**25**	**3/4"**	31,0	48,0	32,0	28,0	11,0	2	
779165	**32**	**1/2"**	31,0	58,0	32,0	30,3	10,5	1	
779166	**32**	**3/4"**	31,0	52,0	32,0	30,0	13,0	1	
779168	**40**	**1"**	42,3	77,3	42,0	38,3	18,3	1	

Material: brass

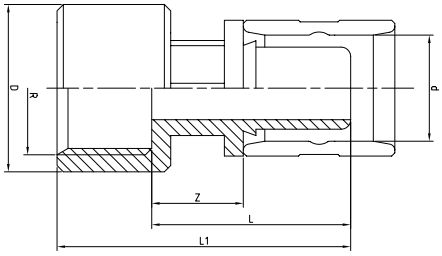


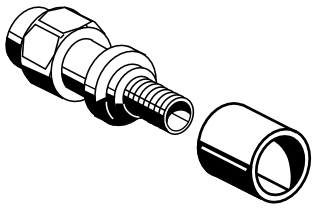


aquatherm grey pipe **REDUCING TEE**

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

Art. no.	D1 [mm]	D2 [mm]	D3 [mm]	Z1 [mm]	L1 [mm]	Z2 [mm]	L2 [mm]	Z3 [mm]	L3 [mm]	PU	Price € m/pc
779110	**16**	**20**	**16**	25,0	42,0	28,0	45,0	25,0	42,0	2	
779112	**20**	**16**	**16**	25,0	42,0	25,0	42,0	25,0	42,0	2	
779114	**20**	**16**	**20**	25,0	42,0	25,0	42,0	25,0	42,0	2	
779116	**20**	**20**	**16**	25,0	42,0	25,0	42,0	25,0	42,0	2	
779118	**25**	**20**	**25**	27,0	45,0	28,0	45,0	27,0	45,0	2	
779120	**25**	**20**	**20**	27,0	45,0	28,0	45,0	28,0	45,0	2	
779122	**25**	**20**	**16**	27,0	45,0	28,0	45,0	28,0	45,0	2	
779123	**25**	**16**	**25**	27,0	45,0	28,0	45,0	27,0	45,0	2	
779124	**25**	**16**	**20**	27,0	45,0	28,0	45,0	28,0	45,0	2	
779126	**20**	**25**	**20**	28,0	45,0	27,0	45,0	28,0	45,0	2	
779128	**20**	**32**	**20**	37,8	54,8	33,8	54,8	37,8	54,8	1	
779130	**25**	**32**	**25**	36,8	54,8	33,8	54,8	36,8	54,8	1	
779132	**32**	**16**	**32**	33,8	54,8	37,8	54,8	33,8	54,8	1	
779134	**32**	**20**	**20**	33,8	54,8	37,8	54,8	37,8	54,8	1	
779136	**32**	**20**	**32**	33,8	54,8	37,8	54,8	33,8	54,8	1	
779138	**32**	**25**	**25**	33,8	54,8	36,8	54,8	36,8	54,8	1	
779140	**32**	**25**	**32**	33,8	54,8	36,8	54,8	33,8	54,8	1	
779142	**32**	**32**	**20**	33,8	54,8	33,8	54,8	37,8	54,8	1	
779144	**32**	**32**	**25**	33,8	54,8	33,8	54,8	36,8	54,8	1	
779146	**32**	**16**	**25**	33,8	54,8	37,8	54,8	36,8	54,8	1	
779148	**32**	**25**	**20**	33,8	54,8	36,8	54,8	37,8	54,8	1	
779150	**32**	**20**	**25**	33,8	54,8	37,8	54,8	36,8	54,8	1	
779152	**32**	**16**	**20**	33,8	54,8	37,8	54,8	37,8	54,8	1	
779156	**40**	**20**	**40**	42,0	73,0	38,5	42,0	42,0	73,0	1	
779158	**40**	**25**	**40**	42,0	73,0	39,9	42,0	42,0	73,0	1	
779159	**40**	**32**	**40**	42,0	73,0	38,5	42,0	42,0	73,0	1	



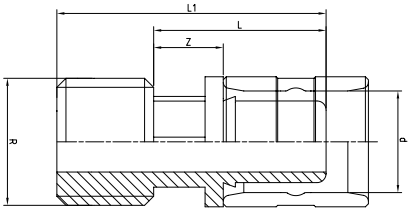


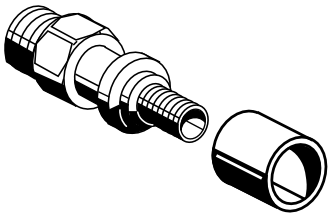
aquatherm grey pipe **TRANSITION PIECE**

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

Art. no.	d [mm]	R	Z [mm]	L [mm]	L1 [mm]	D [mm]	PU	Price € m/pc
779182	**16**	**1/2"**	14,5	31,5	46,5	26,5	2	
779184	**20**	**1/2"**	14,5	31,5	46,5	26,5	2	
779186	**20**	**3/4"**	14,5	31,5	48,5	32,5	2	
779188	**25**	**3/4"**	16,5	34,5	51,5	32,5	2	
779189	**25**	**1"**	16,5	34,5	53,5	40,0	2	
779190	**32**	**3/4**	20,0	41,0	58,0	32,5	2	
779192	**32**	**1"**	20,0	41,0	60,0	40,0	2	
779194	**40**	**1 1/4"**	27,5	58,0	82,0	52,0	1	

Material: brass



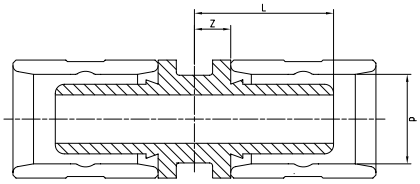


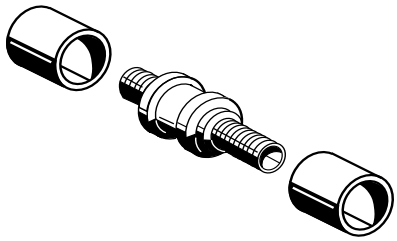
aquatherm grey pipe **TRANSITION PIECE**

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

Art. no.	d [mm]	R	Z [mm]	L [mm]	L1 [mm]	PU	Price € m/pc
779199	**25**	**1"**	13,5	31,5	51,5	2	
779200	**16**	**1/2"**	11,5	28,5	44,5	2	
779202	**20**	**1/2"**	11,5	28,5	44,5	2	
779203	**20**	**3/4"**	12,5	29,5	45,5	2	
779204	**25**	**3/4"**	14,5	31,5	47,5	2	
779205	**25**	**1/2"**	11,5	29,5	45,5	2	
779206	**32**	**3/4"**	14,5	35,5	51,5	2	
779207	**40**	**1 1/4"**	23,5	55,0	74,5	1	
779208	**32**	**1"**	17,0	38,0	58,0	2	

Material: brass



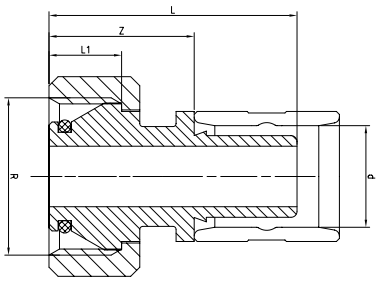


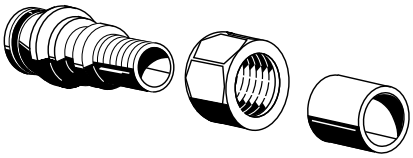
aquatherm grey pipe **COUPLING**

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

Art. no.	d [mm]	Z [mm]	L [mm]	PU	Price € m/pc
779210	**16**	6,0	23,0	2	
779212	**20**	6,0	23,0	2	
779214	**25**	7,3	25,3	2	
779216	**32**	9,0	30,0	2	
779218	**40**	14,5	45,5	1	

Material: brass



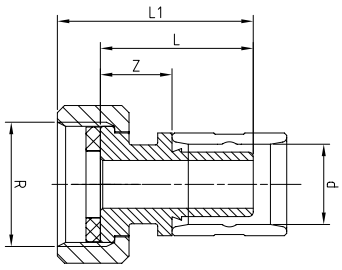


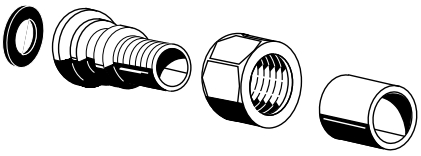
aquatherm grey pipe **EUROCONUS ADAPTER**

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

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

Material: brass
for customary manifolds/joints



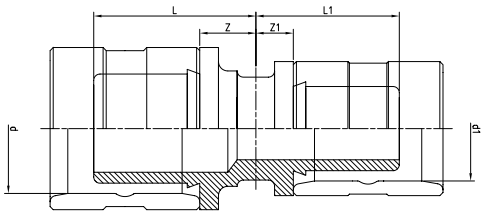


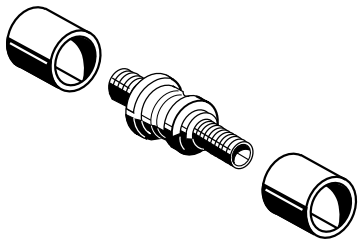
aquatherm grey pipe **TRANSITION SCREW JOINT**

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

Art. no.	d [mm]	R	Z [mm]	L [mm]	L1 [mm]	PU	Price € m/pc
779230	**16**	**3/4"**	15,0	32,0	41,0	2	
779232	**20**	**1"**	15,5	32,5	45,0	2	
779240	**20**	**3/4"**	22,0	39,0	48,0	2	
779242	**25**	**1"**	28,0	46,0	57,5	1	
779244	**32**	**1 1/4"**	29,0	50,0	61,7	1	
779246	**40**	**1 1/2"**	36,0	67,0	82,0	1	

Material: brass



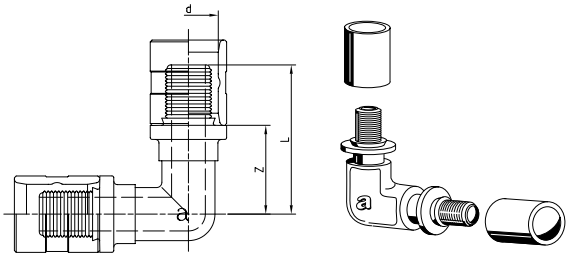


aquatherm grey pipe **REDUCING COUPLING**

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

Art. no.	d [mm]	d1 [mm]	Z [mm]	L [mm]	Z1 [mm]	L1 [mm]	PU	Price € m/pc
779250	**20**	**16**	9,0	26,0	6,0	23,0	2	
779252	**25**	**20**	10,0	28,0	6,0	23,0	2	
779254	**25**	**16**	10,0	28,0	6,0	23,0	2	
779256	**32**	**25**	11,3	32,3	7,3	25,3	1	
779258	**32**	**20**	10,8	31,8	6,3	23,3	1	
779260	**32**	**16**	11,0	32,0	6,0	23,0	1	
779268	**40**	**32**	16,8	47,8	8,3	29,3	1	
779270	**40**	**25**	19,8	47,8	7,3	24,3	1	

Material: brass

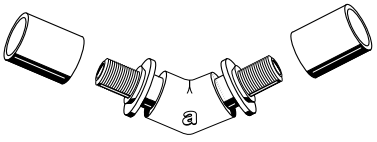


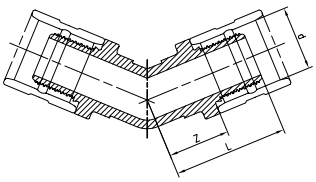
aquatherm grey pipe **ELBOW 90°**

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

Art. no.	d [mm]	Z [mm]	L [mm]	PU	Price € m/pc
779300	**16**	25,0	42,0	2	
779302	**20**	25,0	42,0	2	
779304	**25**	27,0	45,0	2	
779306	**32**	33,8	54,8	1	
779308	**40**	42,3	73,3	1	

Material: PPSU/brass





aquatherm grey pipe **ELBOW 45°**

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

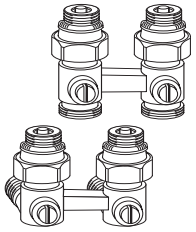
Art. no.	d [mm]	Z [mm]	L [mm]	PU	Price € m/pc
779322	**20**	20,0	37,0	2	
779324	**25**	22,0	40,0	2	
779326	**32**	26,3	47,3	2	
779328	**40**	31,0	62,0	1	

Material: PPSU/brass

aquatherm grey pipe **RADIATOR VALVE**

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

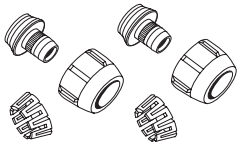
Material: brass

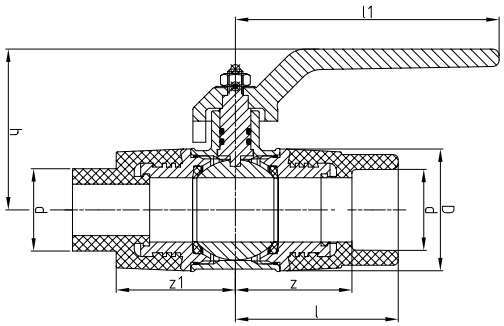


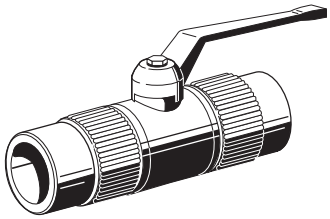
aquatherm grey pipe **COMPRESSION FITTING**

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

Material: brass





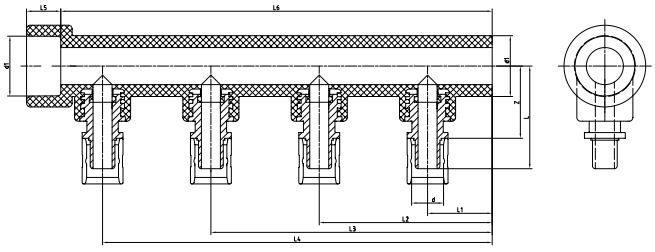


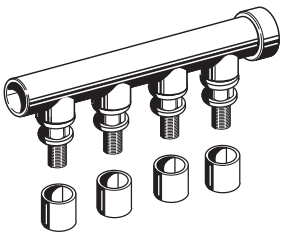
aquatherm grey pipe **BALL VALVE FOR MANIFOLD**

female/male

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

Material: PP-R/brass



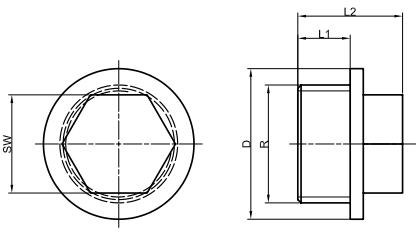


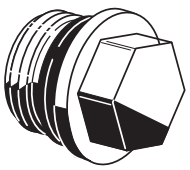
aquatherm grey pipe **FOUR-PORT MANIFOLD**

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

Art. no.	d [mm]	d1 [mm]	Z [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	PU	Price € m/pc
778003	**16**	**32**	38,0	54,0	34,0	91,0	148,0	205,0	18,0	227,0	2	

Material: PP-R/brass
Colour: green



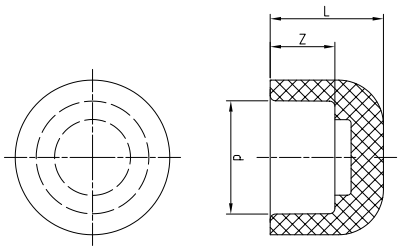


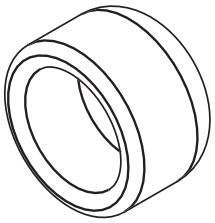
aquatherm grey pipe **BLIND PLUG**

for manifold branches

Art. no.	R	D [mm]	L1 [mm]	L2 [mm]	SW	PU	Price € m/pc
78020	**M18x1,5**	23,0	8,0	16,0	15	1	

Material: brass

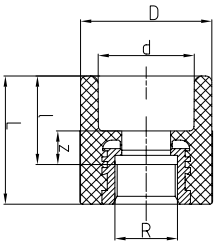


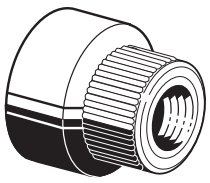


aquatherm grey pipe **END CAP**

Art. no.	d [mm]	Z [mm]	L [mm]	PU	Price € m/pc
14112	**32**	11,0	29,0	5	

Material: PP-R
Colour: green

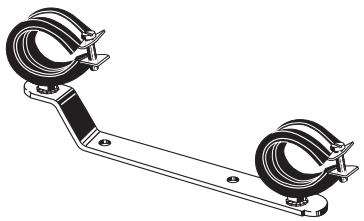




aquatherm grey pipe **MANIFOLD END PIECE WITH FEMALE THREAD***

Art. no.	d [mm]	R	z [mm]	L [mm]	l [mm]	D [mm]	PU	Price € m/pc
30804	**32**	**1/2"**	12,0	43,0	30,0	43,0	1	

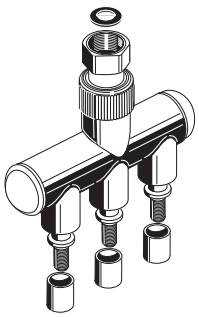
Material: PP-R/brass
Colour: green
* aquatherm grey pipe transition piece as manifold endpiece with female thread

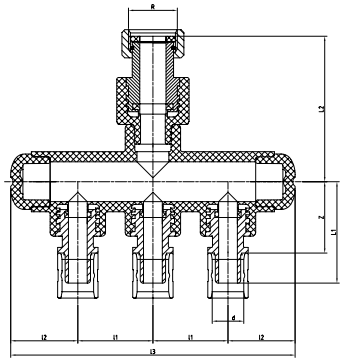


SUPPORTING STRAP FOR FOUR-PORT MANIFOLD

with clamps, galvanized, double

Art. no.	Dimension	PU	Box unit	Price € m/pc
60210	**for Ø 32 mm**	2		



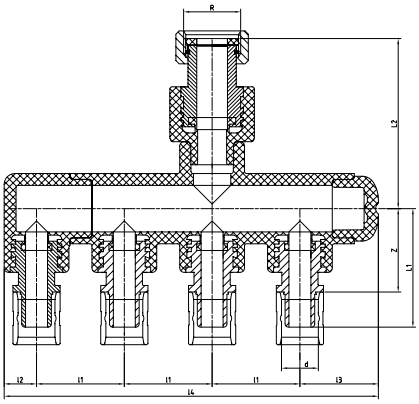


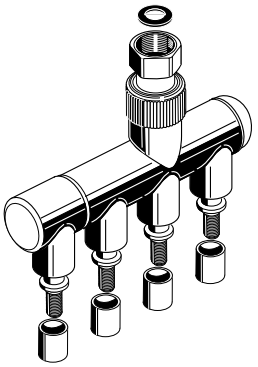
aquatherm grey pipe **UNIVERSAL MANIFOLD TRIPLE**

with water meter connecting union including sliding sleeves – for aquatherm grey pipe Art. no. 777050 … 777072

Art. no.	d [mm]	R	Z [mm]	L1 [mm]	L2 [mm]	l1 [mm]	l2 [mm]	PU	Price € m/pc
778050	**16**	**3/4"**	38,0	54,0	77,5	40,0	151,5	1	
778051	**16**	**1"**	38,0	55,0	73,5	40,0	169,2	1	

Material: PP-R/brass
Colour: green



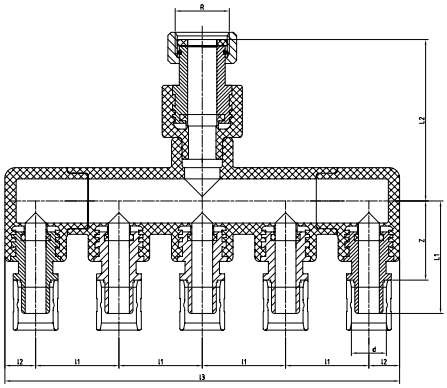


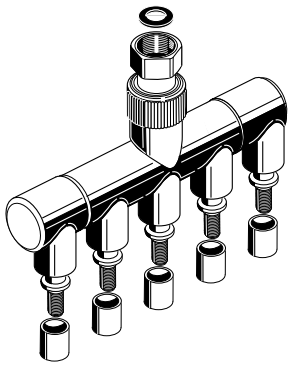
aquatherm grey pipe **UNIVERSAL MANIFOLD FOURFOLD**

with water meter connecting union including sliding sleeves – for aquatherm grey pipe Art. no. 777050 … 777072

Art. no.	d [mm]	R	Z [mm]	L1 [mm]	L2 [mm]	l1 [mm]	l2 [mm]	PU	Price € m/pc
778052	**16**	**3/4"**	38,0	54,0	77,5	40,0	170,5	1	
778053	**16**	**1"**	38,0	55,0	73,5	40,0	180,5	1	

Material: PP-R/brass
Colour: green



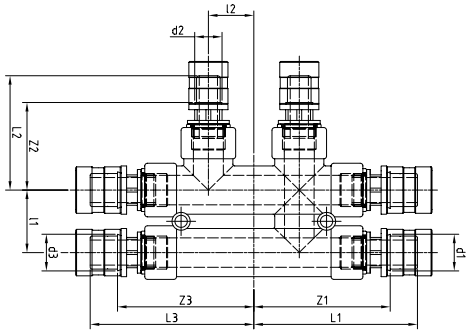


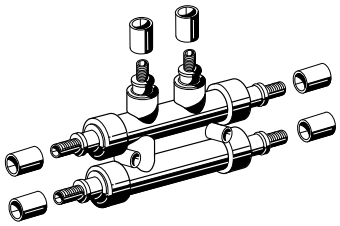
aquatherm grey pipe **UNIVERSAL MANIFOLD FIVEFOLD**

with water meter connecting union including sliding sleeves – for aquatherm grey pipe Art. no. 777050 … 777072

Art. no.	d [mm]	R	Z [mm]	L1 [mm]	L2 [mm]	l1 [mm]	l2 [mm]	PU	Price € m/pc
778054	**16**	**3/4"**	38,0	54,0	77,5	40,0	189,5	1	

Material: PP-R/brass
Colour: green





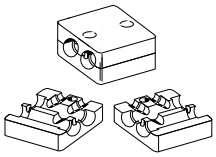
aquatherm grey pipe **DISTRIBUTION BLOCK**

with sliding sleeve connection including sliding sleeves – for aquatherm grey pipe Art. no. 777050 … 777072

Art. no.	d1 [mm]	d2 [mm]	d3 [mm]	Z1 [mm]	L1 [mm]	Z2 [mm]	L2 [mm]	Z3 [mm]	L3 [mm]	l1 [mm]	l2 [mm]	PU	Price € m/pc
778200	**20**	**16**	**20**	75,0	90,0	49,0	64,0	75,0	90,0	35,0	50,0	1	
778201	**20**	**20**	**16**	73,0	90,0	48,0	65,0	73,0	89,0	35,0	50,0	1	
778202	**20**	**16**	**16**	73,0	90,0	48,0	64,0	73,0	89,0	35,0	50,0	1	
778204	**16**	**20**	**16**	73,0	89,0	48,0	65,0	73,0	89,0	35,0	50,0	1	
778206	**16**	**16**	**16**	73,0	89,0	48,0	64,0	73,0	89,0	35,0	50,0	1	
778208	**20**	**20**	**20**	73,0	90,0	48,0	65,0	73,0	90,0	35,0	50,0	1	

Material: PP-R/brass
Colour: green
for cross-free installations, flow rate: 10 kW, Temperature: 70/50 °C

INSULATION FOR THE aquatherm grey pipe DISTRIBUTION BLOCK



Art. no.	Dimension	PU	Price € m/pc
78220	Höhe = 50 mm	1	

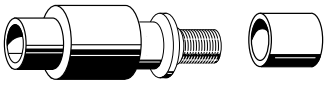
Material: PPS/PS

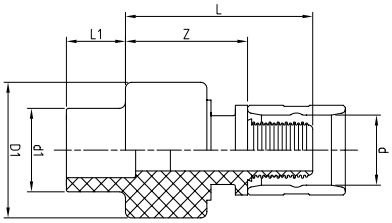
aquatherm grey pipe END PIECE

for manifold and distribution blocks

Art. no.	Dimension	PU	Price € m/pc
78228	Length 100mm	2	

Material: PB



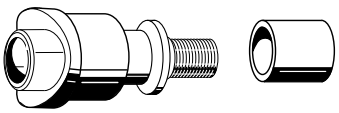


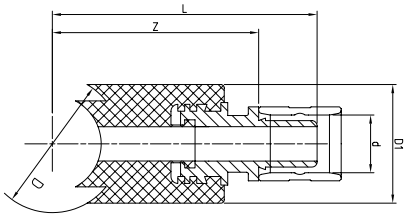
aquatherm grey pipe ADAPTER

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

Art. no.	Dimension	d1 [mm]	d [mm]	D1 [mm]	Z [mm]	L [mm]	L1 [mm]	PU	Price € m/pc
778320*	aquatherm green pipe 16 mm x aquatherm grey pipe 16 mm	**16**	**16**	32,5	31,5	47,5	13,0	2	
778300	aquatherm green pipe 20 mm x aquatherm grey pipe 16 mm	**20**	**16**	32,5	30,0	46,0	14,5	2	
778302	aquatherm green pipe 20 mm x aquatherm grey pipe 20 mm	**20**	**20**	34,5	30,0	47,0	11,0	2	
778304	aquatherm green pipe 25 mm x aquatherm grey pipe 20 mm	**25**	**20**	34,5	30,0	47,0	12,0	2	
778306	aquatherm green pipe 25 mm x aquatherm grey pipe 25 mm	**25**	**25**	43,5	35,0	52,0	14,6	2	
778308	aquatherm green pipe 32 mm x aquatherm grey pipe 25 mm	**32**	**25**	43,5	36,0	54,0	16,0	1	
778310	aquatherm green pipe 32 mm x aquatherm grey pipe 32 mm	**32**	**32**	57,5	44,0	65,0	18,0	1	
778312	aquatherm green pipe 40 mm x aquatherm grey pipe 32 mm	**40**	**32**	57,5	44,0	65,0	20,5	1	

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





aquatherm grey pipe WELD-IN SADDLE ADAPTER

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

Art. no.	Dimension	D [mm]	d [mm]	Z [mm]	L [mm]	D1 [mm]	PU	Price € m/pc
778402	aquatherm green pipe 40 mm x aquatherm grey pipe 16 mm	**40**	**16**	60,0	77,0	34,5	2	
778404	aquatherm green pipe 40 mm x aquatherm grey pipe 20 mm	**40**	**20**	58,0	75,0	38,5	2	
778406	aquatherm green pipe 50 mm x aquatherm grey pipe 16 mm	**50**	**16**	65,0	82,0	32,5	2	
778408	aquatherm green pipe 50 mm x aquatherm grey pipe 20 mm	**50**	**20**	64,0	81,0	38,5	2	
778410	aquatherm green pipe 63 mm x aquatherm grey pipe 16 mm	**63**	**16**	71,5	88,5	34,5	2	
778412	aquatherm green pipe 63 mm x aquatherm grey pipe 20 mm	**63**	**20**	70,5	87,5	38,5	2	

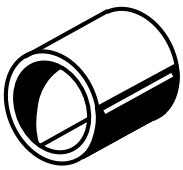
one side for saddle welding – one side for sliding sleeve connection/Material: PP-R/brass

aquatherm grey pipe **SPARE SLIDING SLEEVE**

for aquatherm grey pipe Art. no. 777050 … 777072

Art. no.	Dimension [mm]	PU	Price € m/pc
779990	16	10	
779992	20	10	
779994	26	10	
779996	32	10	
779998	40	10	

Material: brass

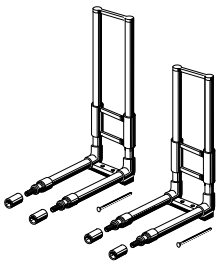


aquatherm grey pipe **CONNECTING BEND*...**

for aquatherm grey pipe Art. no. 777050 … 777072

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

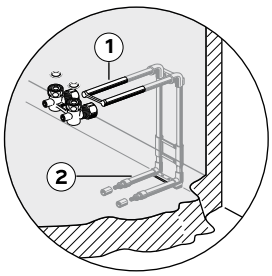
with sliding sleeve connection including sliding sleeves and one fastening plug
Pipe spacing: 50 mm
Material: PP-R/brass
Colour: white



... FOR RADIATOR CONNECTIONS COMING OUT OF THE WALL

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

1. Art. no.: 85120
2. Art. no.: 79500

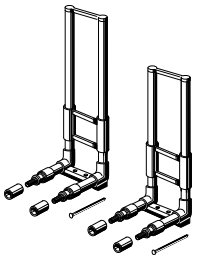


aquatherm grey pipe **CONNECTING BEND*...**

for aquatherm grey pipe Art. no. 777050 … 777072

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

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

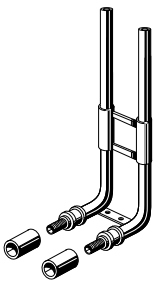


aquatherm grey pipe **METAL CONNECTING BEND**

for aquatherm grey pipe Art. no. 777050 … 777072

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

with sliding sleeve connection including sliding sleeves. Pipe spacing: 50 mm
Material: copper nickel-plated

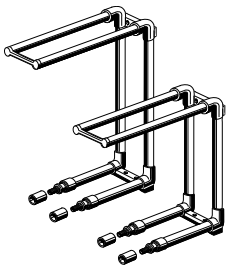


aquatherm grey pipe **RADIATOR CONNECTING SET**

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

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

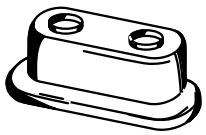
with sliding sleeve connection including sliding sleeves
Material: PP-R/brass, Pipe spacing: 50 mm, Colour: white



aquatherm grey pipe **DOUBLE ROSETTE, RETRACTABLE**

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

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



ATTENTION

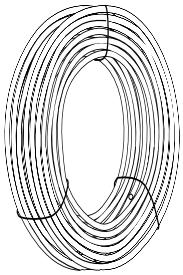
When processing the aquatherm grey pipe potable water connection pipe Art. no. 77020–77040, the sliding sleeves of Art. no. 79990–79994 have to be used necessarily.

aquatherm grey pipe **POTABLE WATER AND RADIATOR CONNECTION PIPE**

with oxygen barrier

Art. no.	Dimension	PU	Price € m/pc
77020	16x2,0mm	100	
77022	20x2,0mm	100	
77024	25x2,3mm	50	
... in Stangen á 4 m			
77040	16x2,0mm	100	

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



aquatherm grey pipe **SPARE SLIDING SLEEVE**

for aquatherm grey pipe Art. no.77000 … 77040

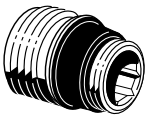
Art. no.	Dimension [mm]	PU	Price € m/pc
79990	16	10	
79992	20	10	
79994	25	10	

Material: brass

aquatherm grey pipe **RED.-NIPPLE**

Art. no.	Dimension	PU	Price € m/pc
85115	1/2“AG x 3/4“AG	2	

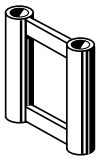
for the connection of radiator valves with compact valve radiators with connection 1/2“ f



aquatherm grey pipe **PROTECTION SLEEVE**

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

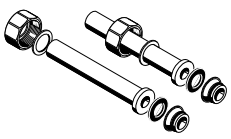
for protection of connection pipes of vertical radiator connection (from the floor) made of PP-R
Colour: green
Pipe spacing: 50 mm



aquatherm grey pipe **RADIATOR CONNECTION SET**

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

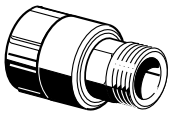
consisting of:
2 connection pieces (L: 120 mm) made of PP-R, Colour: white
2 metal tension rings
2 nuts, chromium plated
2 adaptors, chromium plated
2 gaskets



aquatherm grey pipe **RADIATOR CONNECTION PIECE**

with hex shaped threaded connection

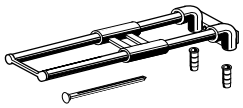
Art. no.	Dimension	PU	Price € m/pc
83306	16 x G1/2“ male	10	



Material: PP-R
brass thread

aquatherm grey pipe **CONNECTING BEND**

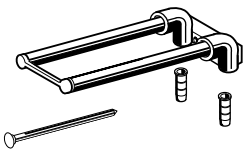
Art. no.	Dimension	PU	Price € m/pc
85119	16x2,0mm	1	



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

aquatherm grey pipe **CONNECTING BEND**

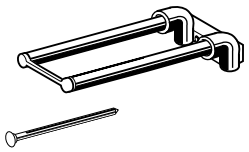
Art. no.	Dimension	PU	Price € m/pc
85120	16x2,0mm	1	



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

aquatherm grey pipe **CONNECTING BEND**

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

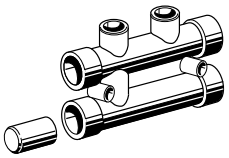


Length: 200 mm
Including 1 fastening plug
Material: PP-R
Colour: white
Connection with two 16 mm welding tools (Art. no. 50206)
Suitable distances for fixing at the welding device (Art. no. 50337) are available

aquatherm grey pipe **DISTRIBUTION BLOCK**

for skirting or floor installation

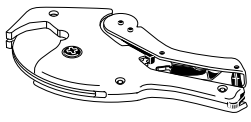
Art. no.	Dimension	PU	Price € m/pc
85123	20/16mm	1	



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

aquatherm grey pipe **PIPE CUTTER**

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

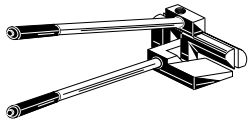


for aquatherm grey pipe and aquatherm surface heating pipes

aquatherm grey pipe **BENDING TOOL**

for mounting rail Art. no. 79090

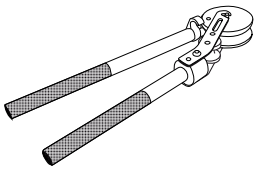
Art. no.	Dimension	PU	Price € m/pc
50840		1	



aquatherm grey pipe **MANUAL PIPE BENDING TOOL**

for multi-layer metal composite pipes

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



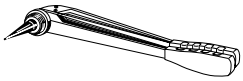
aquatherm grey pipe **BENDING TEMPLATE**

for multi-layer metal composite pipes

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

aquatherm grey pipe **EXPANDING TOOL**

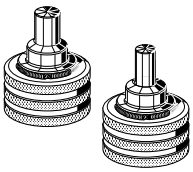
Art. no.	Dimension	PU	Price € m/St
50800	for ø 10-40mm	1	



FALSE JAWS FOR THE AQUATHERM GREY PIPE EXPANDING TOOL

for aquatherm grey pipe PB-pipes

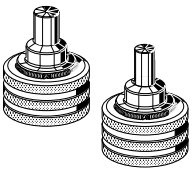
Art. no.	Dimension	PU	Price € m/St
50814	10 mm	1	
50815	14 mm	1	
50817	16 & 20mm	1	
50820	25 mm	1	



FALSE JAWS FOR THE AQUATHERM GREY PIPE EXPANDING TOOL

for aquatherm grey pipe multi-layer metal composite pipes

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

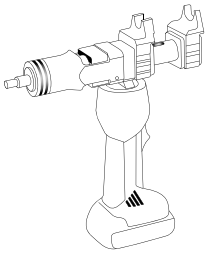


aquatherm grey pipe **HYDRAULIC ACCUMULATOR MOUNTING TOOL**

for aquatherm grey pipe pipes

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

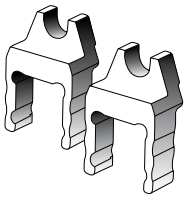
with recharger, expanding adapter and plastic suitcase



aquatherm grey pipe **TOOL INSERTS**

for Hydraulic accumulator aquatherm grey pipe mounting tool Art. no. 50809

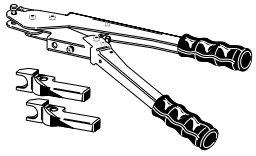
Art. no.	Dimension [mm]	PU	Price € m/pc
50875	16	1	
50876	20	1	
50878	25	1	
50880	32	1	
50882	40	1	



aquatherm grey pipe **MOUNTING TOOL**

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

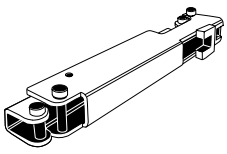
with tools for ø 16 and 20 mm, for the mechanical sliding sleeve connection



aquatherm grey pipe **ANGLE ATTACHMENT**

for aquatherm grey pipe mounting tool Art. no. 50802

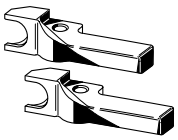
Art. no.	Dimension	PU	Price € m/pc
50803		1	



aquatherm grey pipe **TOOL INSERT**

for aquatherm grey pipe mounting tool Art. no. 50802

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



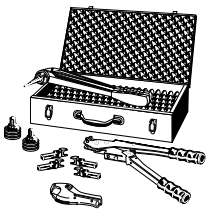
aquatherm grey pipe **TOOL CASE**

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

including:
- Pipe cutter (Art. no. 50103)
- Expanding tool with false jaws
- Mounting tool with tools for 16 and 20 mm (Art. no. 50802)

Not suitable for metal composite pipe (Art. no. 777070–777052)!

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

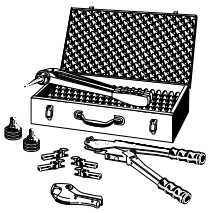


aquatherm grey pipe **TOOL CASE**

multi-layer metal composite pipe

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

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



Find an overview of the aquatherm grey pipe tools on page 104

aquatherm black system

HEATING AND COOLING SYSTEM FOR CEILING, WALL AND OTHER APPLICATIONS

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

In offices, commercial premises, meeting rooms, etc., aquatherm pipe grids have become increasingly more popular for heating and cooling of ceilings and walls.

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

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

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

You will find more information on the aquatherm black system in our aquatherm black system catalogue (order no. E97060) and in our brochure (order no. E97060).

Fields of application

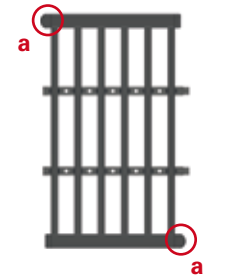
aquatherm black system **HEATING AND COOLING GRIDS**

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

Attention:
All grids are available in the mentioned connection types at same prices.
Simply replace the first two figures of the article number („**52**"xxxxx) with those of the required type of connection (i. e. „**62**" or „**64**").

Connection types of the grids

52

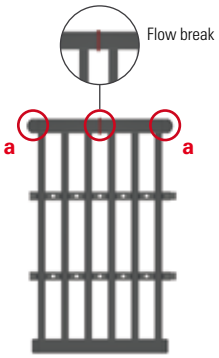


Detail of connection **a**

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

a Plug socket 16 mm

62

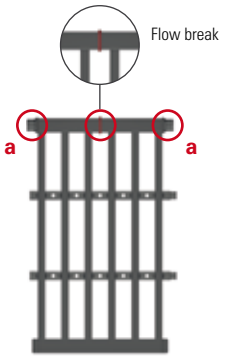


Detail of connection **a**

Connection type 62 = Plug connection 90° left, right

a Plug socket 16 mm

64



Detail of connection **a**

Connection type 64 = welded connection left, right

a Welding socket 16 mm

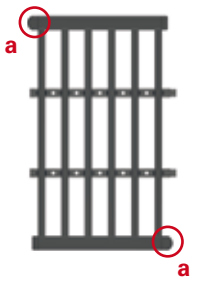
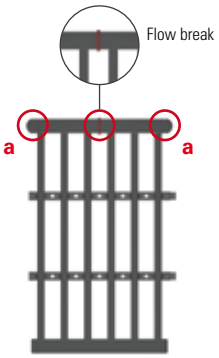
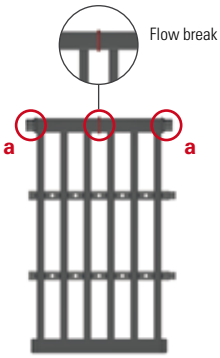
Art. no.	Wide/ m	Length/ m	Area/ m^2	PU	Price € m/pc
52**24040**	0,24	0,40	0,10	1	
52**24050**	0,24	0,50	0,12	1	
52**24060**	0,24	0,60	0,14	1	
52**24070**	0,24	0,70	0,17	1	
52**24080**	0,24	0,80	0,19	1	
52**24090**	0,24	0,90	0,22	1	
52**24100**	0,24	1,00	0,24	1	
52**24120**	0,24	1,20	0,29	1	
52**24140**	0,24	1,40	0,34	1	
52**24160**	0,24	1,60	0,38	1	
52**24180**	0,24	1,80	0,43	1	
52**24200**	0,24	2,00	0,48	1	
52**24225**	0,24	2,25	0,54	1	
52**24250**	0,24	2,50	0,60	1	
52**24275**	0,24	2,75	0,66	1	
52**24300**	0,24	3,00	0,72	1	
52**24325**	0,24	3,25	0,78	1	
52**24350**	0,24	3,50	0,84	1	
52**24375**	0,24	3,75	0,90	1	
52**24400**	0,24	4,00	0,96	1	
52**24425**	0,24	4,25	1,02	1	
52**24450**	0,24	4,50	1,08	1	
52**24475**	0,24	4,75	1,14	1	
52**24500**	0,24	5,00	1,20	1	
52**28040**	0,28	0,40	0,11	1	
52**28050**	0,28	0,50	0,14	1	
52**28060**	0,28	0,60	0,17	1	
52**28070**	0,28	0,70	0,20	1	
52**28080**	0,28	0,80	0,22	1	
52**28090**	0,28	0,90	0,25	1	
52**28100**	0,28	1,00	0,28	1	
52**28120**	0,28	1,20	0,34	1	
52**28140**	0,28	1,40	0,39	1	
52**28160**	0,28	1,60	0,45	1	
52**28180**	0,28	1,80	0,50	1	
52**28200**	0,28	2,00	0,56	1	
52**28225**	0,28	2,25	0,63	1	
52**28250**	0,28	2,50	0,70	1	
52**28275**	0,28	2,75	0,77	1	
52**28300**	0,28	3,00	0,84	1	
52**28325**	0,28	3,25	0,91	1	
52**28350**	0,28	3,50	0,98	1	
52**28375**	0,28	3,75	1,05	1	
52**28400**	0,28	4,00	1,12	1	
52**28425**	0,28	4,25	1,19	1	
52**28450**	0,28	4,50	1,26	1	
52**28475**	0,28	4,75	1,33	1	
52**28500**	0,28	5,00	1,40	1	

Special size on request!

aquatherm black system **HEATING AND COOLING GRIDS**

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

Attention:
All grids are available in the mentioned connection types at same prices.
Simply replace the first two figures of the article number („**52**"xxxxx) with those of the required type of connection (i. e. „**62**" or „**64**").

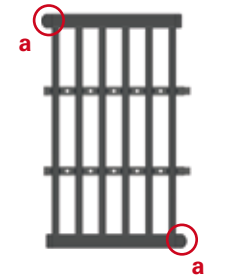
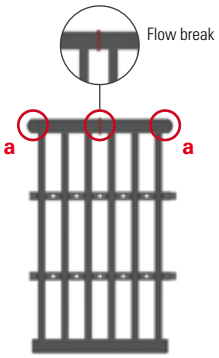
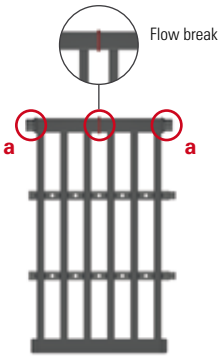
Connection types of the grids 52	62	64	Art. no.	Wide/ m	Length/ m	Area/ m^2	PU	Price € m/pc
			52**32040**	0,32	0,40	0,13	1	
			52**32050**	0,32	0,50	0,16	1	
			52**32060**	0,32	0,60	0,19	1	
			52**32070**	0,32	0,70	0,22	1	
			52**32080**	0,32	0,80	0,26	1	
			52**32090**	0,32	0,90	0,29	1	
			52**32100**	0,32	1,00	0,32	1	
			52**32120**	0,32	1,20	0,38	1	
			52**32140**	0,32	1,40	0,45	1	
			52**32160**	0,32	1,60	0,51	1	
			52**32180**	0,32	1,80	0,58	1	
			52**32200**	0,32	2,00	0,64	1	
			52**32225**	0,32	2,25	0,72	1	
			52**32250**	0,32	2,50	0,80	1	
			52**32275**	0,32	2,75	0,88	1	
			52**32300**	0,32	3,00	0,96	1	
			52**32325**	0,32	3,25	1,04	1	
			52**32350**	0,32	3,50	1,12	1	
			52**32375**	0,32	3,75	1,20	1	
			52**32400**	0,32	4,00	1,28	1	
			52**32425**	0,32	4,25	1,36	1	
			52**32450**	0,32	4,50	1,44	1	
			52**32475**	0,32	4,75	1,52	1	
			52**32500**	0,32	5,00	1,60	1	
Detail of connection **a**	Detail of connection **a**	Detail of connection **a**	52**36040**	0,36	0,40	0,14	1	
			52**36050**	0,36	0,50	0,18	1	
			52**36060**	0,36	0,60	0,22	1	
			52**36070**	0,36	0,70	0,25	1	
			52**36080**	0,36	0,80	0,29	1	
			52**36090**	0,36	0,90	0,32	1	
Connection type 52 = Plug connection 90° top left, lower right	**Connection type 62 = Plug connection 90° left, right**	**Connection type 64 = welded connection left, right**	52**36100**	0,36	1,00	0,36	1	
			52**36120**	0,36	1,20	0,43	1	
			52**36140**	0,36	1,40	0,50	1	
a Plug socket 16 mm	**a Plug socket 16 mm**	**a Welding socket 16 mm**	52**36160**	0,36	1,60	0,58	1	
			52**36180**	0,36	1,80	0,65	1	
			52**36200**	0,36	2,00	0,72	1	
			52**36225**	0,36	2,25	0,81	1	
			52**36250**	0,36	2,50	0,90	1	
			52**36275**	0,36	2,75	0,99	1	
			52**36300**	0,36	3,00	1,08	1	
			52**36325**	0,36	3,25	1,17	1	
			52**36350**	0,36	3,50	1,26	1	
			52**36375**	0,36	3,75	1,35	1	
			52**36400**	0,36	4,00	1,44	1	
			52**36425**	0,36	4,25	1,53	1	
			52**36450**	0,36	4,50	1,62	1	
			52**36475**	0,36	4,75	1,71	1	
			52**36500**	0,36	5,00	1,80	1	

Special size on request!

aquatherm black system **HEATING AND COOLING GRIDS**

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

Attention:
All grids are available in the mentioned connection types at same prices.
Simply replace the first two figures of the article number („**52**"xxxxx) with those of the required type of connection (i. e. „**62**" or „**64**").

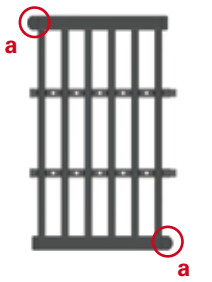
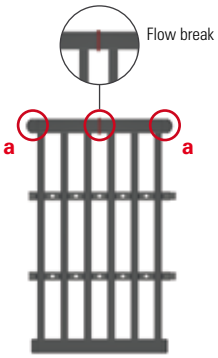
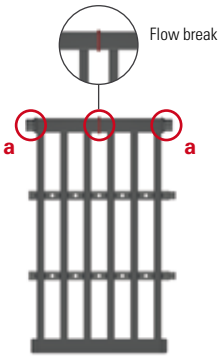
Connection types of the grids 52	62	64	Art. no.	Wide/ m	Length/ m	Area/ m²	PU	Price € m/pc
			52**40040**	0,40	0,40	0,16	1	
			52**40050**	0,40	0,50	0,20	1	
			52**40060**	0,40	0,60	0,24	1	
			52**40070**	0,40	0,70	0,28	1	
			52**40080**	0,40	0,80	0,32	1	
			52**40090**	0,40	0,90	0,36	1	
			52**40100**	0,40	1,00	0,40	1	
			52**40120**	0,40	1,20	0,48	1	
			52**40140**	0,40	1,40	0,56	1	
			52**40160**	0,40	1,60	0,64	1	
			52**40180**	0,40	1,80	0,72	1	
			52**40200**	0,40	2,00	0,80	1	
			52**40225**	0,40	2,25	0,90	1	
			52**40250**	0,40	2,50	1,00	1	
			52**40275**	0,40	2,75	1,10	1	
			52**40300**	0,40	3,00	1,20	1	
			52**40325**	0,40	3,25	1,30	1	
			52**40350**	0,40	3,50	1,40	1	
			52**40375**	0,40	3,75	1,50	1	
			52**40400**	0,40	4,00	1,60	1	
			52**40425**	0,40	4,25	1,70	1	
			52**40450**	0,40	4,50	1,80	1	
			52**40475**	0,40	4,75	1,90	1	
			52**40500**	0,40	5,00	2,00	1	
Detail of connection **a**	Detail of connection **a**	Detail of connection **a**	52**48040**	0,48	0,40	0,19	1	
			52**48050**	0,48	0,50	0,24	1	
			52**48060**	0,48	0,60	0,29	1	
			52**48070**	0,48	0,70	0,34	1	
			52**48080**	0,48	0,80	0,38	1	
			52**48090**	0,48	0,90	0,43	1	
Connection type 52 = Plug connection 90° top left, lower right	**Connection type 62 = Plug connection 90° left, right**	**Connection type 64 = welded connection left, right**	52**48100**	0,48	1,00	0,48	1	
			52**48120**	0,48	1,20	0,58	1	
			52**48140**	0,48	1,40	0,67	1	
a Plug socket 16 mm	**a Plug socket 16 mm**	**a Welding socket 16 mm**	52**48160**	0,48	1,60	0,77	1	
			52**48180**	0,48	1,80	0,86	1	
			52**48200**	0,48	2,00	0,96	1	
			52**48225**	0,48	2,25	1,08	1	
			52**48250**	0,48	2,50	1,20	1	
			52**48275**	0,48	2,75	1,32	1	
			52**48300**	0,48	3,00	1,44	1	
			52**48325**	0,48	3,25	1,56	1	
			52**48350**	0,48	3,50	1,68	1	
			52**48375**	0,48	3,75	1,80	1	
			52**48400**	0,48	4,00	1,92	1	
			52**48425**	0,48	4,25	2,04	1	
			52**48450**	0,48	4,50	2,16	1	
			52**48475**	0,48	4,75	2,28	1	
			52**48500**	0,48	5,00	2,40	1	

Special size on request!

aquatherm black system **HEATING AND COOLING GRIDS**

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

Attention:
All grids are available in the mentioned connection types at same prices.
Simply replace the first two figures of the article number („**52**"xxxxx) with those of the required type of connection (i. e. „**62**" or „**64**").

Connection types of the grids 52	62	64	Art. no.	Wide/ m	Length/ m	Area/ m²	PU	Price € m/pc
			52**52040**	0,52	0,40	0,21	1	
			52**52050**	0,52	0,50	0,26	1	
			52**52060**	0,52	0,60	0,31	1	
			52**52070**	0,52	0,70	0,36	1	
			52**52080**	0,52	0,80	0,42	1	
			52**52090**	0,52	0,90	0,47	1	
			52**52100**	0,52	1,00	0,52	1	
			52**52120**	0,52	1,20	0,62	1	
			52**52140**	0,52	1,40	0,73	1	
			52**52160**	0,52	1,60	0,83	1	
			52**52180**	0,52	1,80	0,94	1	
			52**52200**	0,52	2,00	1,04	1	
			52**52225**	0,52	2,25	1,17	1	
			52**52250**	0,52	2,50	1,30	1	
			52**52275**	0,52	2,75	1,43	1	
			52**52300**	0,52	3,00	1,56	1	
			52**52325**	0,52	3,25	1,69	1	
			52**52350**	0,52	3,50	1,82	1	
			52**52375**	0,52	3,75	1,95	1	
			52**52400**	0,52	4,00	2,08	1	
			52**52425**	0,52	4,25	2,21	1	
			52**52450**	0,52	4,50	2,34	1	
			52**52475**	0,52	4,75	2,47	1	
			52**52500**	0,52	5,00	2,60	1	
Detail of connection **a**	Detail of connection **a**	Detail of connection **a**	52**56040**	0,56	0,40	0,22	1	
			52**56050**	0,56	0,50	0,28	1	
			52**56060**	0,56	0,60	0,34	1	
			52**56070**	0,56	0,70	0,39	1	
			52**56080**	0,56	0,80	0,45	1	
			52**56090**	0,56	0,90	0,50	1	
Connection type 52 = Plug connection 90° top left, lower right	**Connection type 62 = Plug connection 90° left, right**	**Connection type 64 = welded connection left, right**	52**56100**	0,56	1,00	0,56	1	
			52**56120**	0,56	1,20	0,67	1	
			52**56140**	0,56	1,40	0,78	1	
a Plug socket 16 mm	**a Plug socket 16 mm**	**a Welding socket 16 mm**	52**56160**	0,56	1,60	0,90	1	
			52**56180**	0,56	1,80	1,01	1	
			52**56200**	0,56	2,00	1,12	1	
			52**56225**	0,56	2,25	1,26	1	
			52**56250**	0,56	2,50	1,40	1	
			52**56275**	0,56	2,75	1,54	1	
			52**56300**	0,56	3,00	1,68	1	
			52**56325**	0,56	3,25	1,82	1	
			52**56350**	0,56	3,50	1,96	1	
			52**56375**	0,56	3,75	2,10	1	
			52**56400**	0,56	4,00	2,24	1	
			52**56425**	0,56	4,25	2,38	1	
			52**56450**	0,56	4,50	2,52	1	
			52**56475**	0,56	4,75	2,66	1	
			52**56500**	0,56	5,00	2,80	1	

Special size on request!

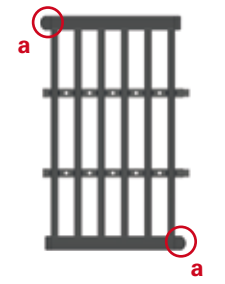
aquatherm black system **HEATING AND COOLING GRIDS**

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

Attention:
All grids are available in the mentioned connection types at same prices.
Simply replace the first two figures of the article number („**52**"xxxxx) with those of the required type of connection (i. e. „**62**" or „**64**").

Connection types of the grids

52

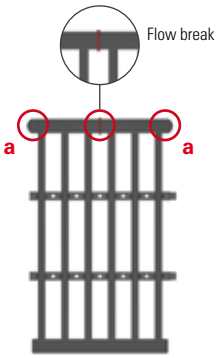


Detail of connection **a**

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

a Plug socket 16 mm

62

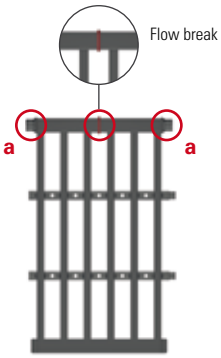


Detail of connection **a**

Connection type 62 = Plug connection 90° left, right

a Plug socket 16 mm

64



Detail of connection **a**

Connection type 64 = welded connection left, right

a Welding socket 16 mm

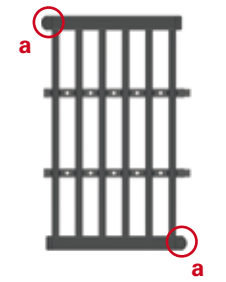
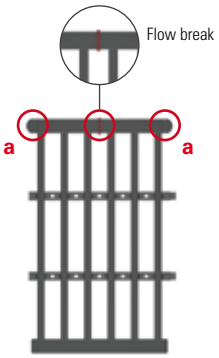
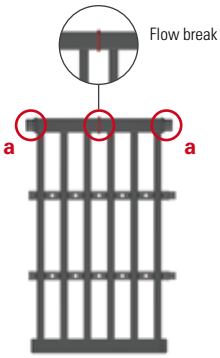
Art. no.	Wide/ m	Length/ m	Area/ m^2	PU	Price € m/pc
52**60040**	0,60	0,40	0,24	1	
52**60050**	0,60	0,50	0,30	1	
52**60060**	0,60	0,60	0,36	1	
52**60070**	0,60	0,70	0,42	1	
52**60080**	0,60	0,80	0,48	1	
52**60090**	0,60	0,90	0,54	1	
52**60100**	0,60	1,00	0,60	1	
52**60120**	0,60	1,20	0,72	1	
52**60140**	0,60	1,40	0,84	1	
52**60160**	0,60	1,60	0,96	1	
52**60180**	0,60	1,80	1,08	1	
52**60200**	0,60	2,00	1,20	1	
52**60225**	0,60	2,25	1,35	1	
52**60250**	0,60	2,50	1,50	1	
52**60275**	0,60	2,75	1,65	1	
52**60300**	0,60	3,00	1,80	1	
52**60325**	0,60	3,25	1,95	1	
52**60350**	0,60	3,50	2,10	1	
52**60375**	0,60	3,75	2,25	1	
52**60400**	0,60	4,00	2,40	1	
52**60425**	0,60	4,25	2,55	1	
52**60450**	0,60	4,50	2,70	1	
52**60475**	0,60	4,75	2,85	1	
52**60500**	0,60	5,00	3,00	1	
52**68040**	0,68	0,40	0,27	1	
52**68050**	0,68	0,50	0,34	1	
52**68060**	0,68	0,60	0,41	1	
52**68070**	0,68	0,70	0,48	1	
52**68080**	0,68	0,80	0,54	1	
52**68090**	0,68	0,90	0,61	1	
52**68100**	0,68	1,00	0,68	1	
52**68120**	0,68	1,20	0,82	1	
52**68140**	0,68	1,40	0,95	1	
52**68160**	0,68	1,60	1,09	1	
52**68180**	0,68	1,80	1,22	1	
52**68200**	0,68	2,00	1,36	1	
52**68225**	0,68	2,25	1,53	1	
52**68250**	0,68	2,50	1,70	1	
52**68275**	0,68	2,75	1,87	1	
52**68300**	0,68	3,00	2,04	1	
52**68325**	0,68	3,25	2,21	1	
52**68350**	0,68	3,50	2,38	1	
52**68375**	0,68	3,75	2,55	1	
52**68400**	0,68	4,00	2,72	1	
52**68425**	0,68	4,25	2,89	1	
52**68450**	0,68	4,50	3,06	1	
52**68475**	0,68	4,75	3,23	1	
52**68500**	0,68	5,00	3,40	1	

Special size on request!

aquatherm black system **HEATING AND COOLING GRIDS**

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

Attention:
All grids are available in the mentioned connection types at same prices.
Simply replace the first two figures of the article number („**52**"xxxxx) with those of the required type of connection (i. e. „**62**" or „**64**").

Connection types of the grids 52	62	64	Art. no.	Wide/ m	Length/ m	Area/ m²	PU	Price € m/pc
			52**80040**	0,80	0,40	0,32	1	
			52**80050**	0,80	0,50	0,40	1	
			52**80060**	0,80	0,60	0,48	1	
			52**80070**	0,80	0,70	0,56	1	
			52**80080**	0,80	0,80	0,64	1	
			52**80090**	0,80	0,90	0,72	1	
			52**80100**	0,80	1,00	0,80	1	
			52**80120**	0,80	1,20	0,96	1	
			52**80140**	0,80	1,40	1,12	1	
			52**80160**	0,80	1,60	1,28	1	
			52**80180**	0,80	1,80	1,44	1	
			52**80200**	0,80	2,00	1,60	1	
			52**80225**	0,80	2,25	1,80	1	
			52**80250**	0,80	2,50	2,00	1	
			52**80275**	0,80	2,75	2,20	1	
			52**80300**	0,80	3,00	2,40	1	
			52**80325**	0,80	3,25	2,60	1	
			52**80350**	0,80	3,50	2,80	1	
			52**80375**	0,80	3,75	3,00	1	
			52**80400**	0,80	4,00	3,20	1	
			52**80425**	0,80	4,25	3,40	1	
			52**80450**	0,80	4,50	3,60	1	
			52**80475**	0,80	4,75	3,80	1	
			52**80500**	0,80	5,00	4,00	1	
			52**00040**	1,00	0,40	0,27	1	
Detail of connection **a**	Detail of connection **a**	Detail of connection **a**	52**00050**	1,00	0,50	0,34	1	
			52**00060**	1,00	0,60	0,41	1	
			52**00070**	1,00	0,70	0,48	1	
			52**00080**	1,00	0,80	0,54	1	
			52**00090**	1,00	0,90	0,61	1	
Connection type 52 = Plug connection 90° top left, lower right	**Connection type 62 = Plug connection 90° left, right**	**Connection type 64 = welded connection left, right**	52**00100**	1,00	1,00	0,68	1	
			52**00120**	1,00	1,20	0,82	1	
			52**00140**	1,00	1,40	0,95	1	
a Plug socket 16 mm	**a Plug socket 16 mm**	**a Welding socket 16 mm**	52**00160**	1,00	1,60	1,09	1	
			52**00180**	1,00	1,80	1,22	1	
			52**00200**	1,00	2,00	1,36	1	
			52**00225**	1,00	2,25	1,53	1	
			52**00250**	1,00	2,50	1,70	1	
			52**00275**	1,00	2,75	1,87	1	
			52**00300**	1,00	3,00	2,04	1	
			52**00325**	1,00	3,25	2,21	1	
			52**00350**	1,00	3,50	2,38	1	
			52**00375**	1,00	3,75	2,55	1	
			52**00400**	1,00	4,00	2,72	1	
			52**00425**	1,00	4,25	2,89	1	
			52**00450**	1,00	4,50	3,06	1	
			52**00475**	1,00	4,75	3,23	1	
			52**00500**	1,00	5,00	3,40	1	

Special size on request!

aquatherm black system HEATING AND COOLING GRID FOR CEILING PANELS

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

	Art. no.	Dimension	PU	Price € m/pc
	6256060	56x60cm = 0,4m²	1	
NEW	**6256118**	56x118cm = 0,7m²	1	

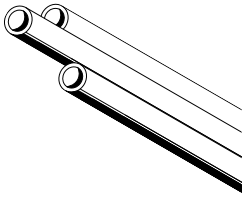
Forced flow by in-centre welded blind plug in the main pipe, which offers a one-side connection of the grids among each other.

Special size on request!

aquatherm black system PP-GRID CONNECTION PIPE

with oxygen barrier

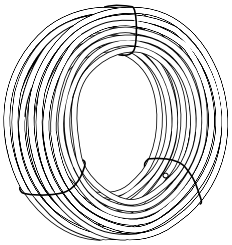
Art. no.	Dimension [mm]	Length [m]	PU	Price € m/pc
81006	16	4	100	
81008	20	2,5	50	



aquatherm black system PP-GRID CONNECTION PIPE

with oxygen barrier, in ring

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



aquatherm black system CORRUGATED CONNECTING PIPE

with oxygen barrier, in ring

Art. no.	Dimension	PU	Price € m/pc
81039		50	

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

aquatherm black system CORRUGATED CONNECTING PIPE

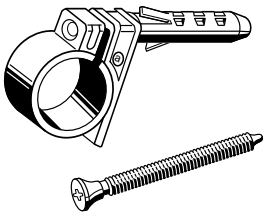
with oxygen barrier, for connection types 52, 62 and 64

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

PLASTIC PIPE CLAMPS

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

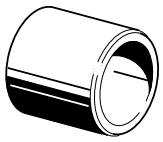
Colour: anthracite



aquatherm black system SOCKET

for heating and cooling grids

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



aquatherm black system ELBOW 90°

for heating and cooling grids

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

aquatherm black system END CAP

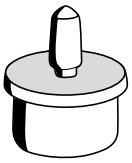
for heating and cooling grids

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

aquatherm black system PP-R MALE END PLUG

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

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



aquatherm black system ELBOW 90°

male/female

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

aquatherm black system MAGNET HOLDER

Art. no.	Dimension	PU	Price € m/pc
81286		50	

GRID FIXING IN METAL CEILINGS WITH HOLDING-DOWN MAGNET

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

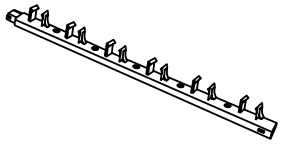
Adhesive and solvent for sticking the aquatherm grids into metal ceiling panels can directly be bought at the manufacturer Wakol GmbH (www.wakol.de). The manufacturer's instructions are to be considered!

Article description adhesive: L1720 ROT
Article description solvent: Löser 31

aquatherm black system **FIXING RAIL**

for heating and cooling grids

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



aquatherm black system **WALL BRACKET**

for heating and cooling grids

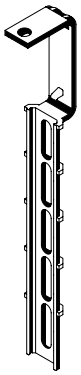
Art. no.	Dimension	PU	Price € m/pc
81296		10	

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

for heating and cooling grids

Art. no.	Dimension	PU	Price € m/pc
81297		10	

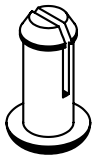
Please note, when ordering the fixing rail for drywall Art. no. 81297, that for each rail two connection plugs with the Art. no. 81301 have to be ordered.



NEW aquatherm black system **CONNECTING PLUG**

Art. no.	PU	Price € m/pc
81301	20	

In connection with art. no. 81297 for fixing the heating-cooling grids in case of ceiling system with metal substructure.
In connection with art. no. 81304 (perforated tape) for fixing the heating-cooling grids in case of wall systems with metal substructure.



NEW aquatherm black system **MAGNET CLIP**

Art. no.	PU	Price € m/pc
81302	50	

In connection with art. no. 81506 for fixing the heating-cooling grids in case of ceiling systems with metal substructure.
Available from February 2018

NEW aquatherm black system **DISTANCE PIECE**

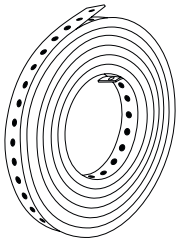
for prefabricated ceilings

Art. no.	PU	Price € m/pc
81303	50	

NEW aquatherm black system **PERFORATED TAPE**

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

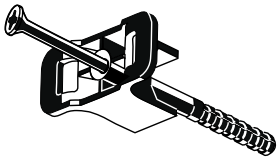
In connection with art. no. 81301 for fixing the heating-cooling grids in case of wall systems with metal substructure.



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

for wall and ceiling installation

Art. no.	Dimension	PU	Price € m/pc
81298		10	



aquatherm black system **THERMOGRAPHY FILM**

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

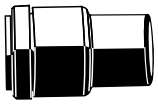
Art. no.	Dimension	PU	Price € m/pc
50186	160x70mm	1	

aquatherm black system **CONNECTOR**

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

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

with safety pin

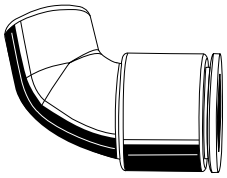


aquatherm black system **90° ELBOW-ADAPTER**

onesided plugable/onesided PP-R 16 mm weldable

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

with safety pin

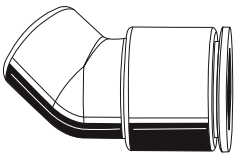


aquatherm black system **45° ELBOW-ADAPTER**

onesided plugable/onesided PP-R 16 mm weldable

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

with safety pin

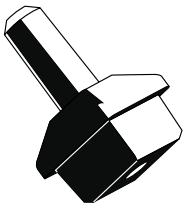


aquatherm black system **SEALING PLUG**

for wall and ceiling grids

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

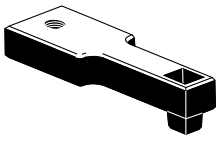
welding tool for sealing plug Art. no. 50285 see tools



aquatherm black system **WELDING TOOL**

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

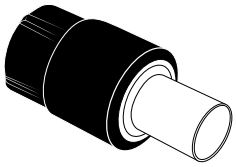
for sealing plug Art. no. 81091



aquatherm black system **TRANSITION ADAPTER**

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

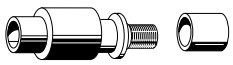
e.g. for connecting existing metal pipes



aquatherm black system **TRANSITION ADAPTER**

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

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



STARTER KIT SHOWER

consists of:

Art. no.	Quantity	No.	Description	Price € m/pc
81800	2 Pieces	6424200	240 x 2000 mm grids	
	1 Piece	6460200	600 x 2000 mm Register	
	25 Meter	81006	grid pipe 16 mm	
	10 Pieces	81050	connecting socket 16 mm	
	20 Pieces	81060	elbow 16 mm 90 degree F/F	
	10 Pieces	81065	elbow 16 mm 90 degree F/M	
	50 Pieces	60716	fixing clamps 16 mm	

aquatherm orange system

SURFACE HEATING AND COOLING SYSTEMS

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

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

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

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

FIELDS OF APPLIACTION

Flexible sports floor

Open space heating

Industrial floor heating

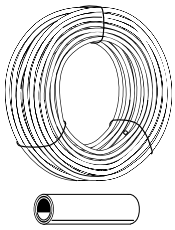
Chilled area, ice stadium

Undersoil pitch heating

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

with oxygen barrier according to DIN

Art. no.	Dimension	PU	Price € m/pc
90024	14x2,0mm	250	
90034	14x2,0mm	500	
90026	16x2,0mm	250	
90036	16x2,0mm	500	
90027	17x2,0mm	250	
90037	17x2,0mm	500	
90028	20x2,0mm	250	
90038	20x2,0mm	500	
90030	25x2,3mm	250	

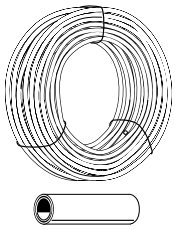


Material: PE-RT with EVOH coating, oxygen barrier according to DIN 4721/4726/16833
Colour: red

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

with oxygen barrier according to DIN

Art. no.	Dimension	PU	Price € m/pc
90306	16x2,0mm	250	
90307	17x2,0mm	250	
90316	16x2,0mm	500	
90317	17x2,0mm	500	

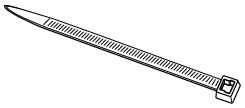


Material: PB with EVOH coating, oxygen barrier according to DIN 4726/4727/16968
Colour: grey

aquatherm orange system CABLE TIE

for industrial surface heating

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

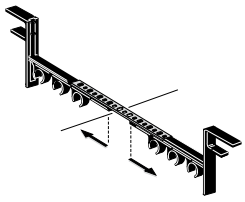


Please note: Packung Unit = 100

aquatherm orange system PIPE GUIDING RAIL

for surface flexible sports floor, adjustable in length and height

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

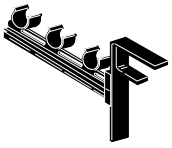


Material: Polyamid

aquatherm orange system END RAIL

for surface flexible sports floor, adjustable in height

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

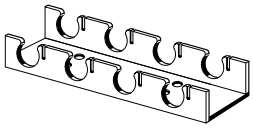


Material: Polyamid

aquatherm orange system PROFILE RAIL

for industrial heating

Art. no.	Dimension	PU	Price € m/pc
90518	Ø 20 mm	2	
90520	Ø 25 mm	2	

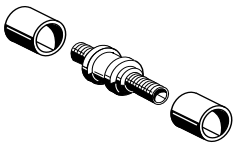


Material: Polyamid

aquatherm orange system **COUPLING**

for PE-RT and PB pipes, including sliding sleeve

Art. no.	Dimension [mm]	PU	Price € m/pc
79209	14	2	
79210	16	2	
79212	20	2	
79214	25	2	

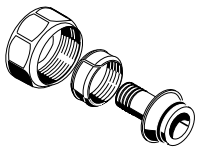


Material: brass

aquatherm orange system **EUROCONUS CONNECTOR**

for heating circuit manifold

Art. no.	Dimension	PU	Price € m/pc
92104	ø 14 x 2,0 mm	5	
92106	ø 16 x 2,0 mm	5	
92107	fø 17 x 2,0 mm	5	
92108	ø 20 x 2,0 mm	5	

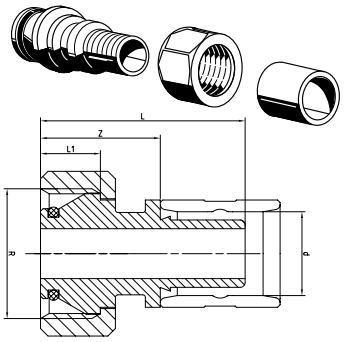


cap nut nickel-plated

aquatherm grey pipe **EUROCONUS ADAPTER**

including sliding sleeve

Art. no.	d [mm]	R	Z [mm]	L [mm]	L1 [mm]	PU	Price € m/pc
79219	**14**	**G3/4**	24,00	41,00	12,00	1	
79220	**16**	**G3/4**	24,00	41,00	12,00	2	
79222	**20**	**G3/4**	30,00	47,00	15,00	2	

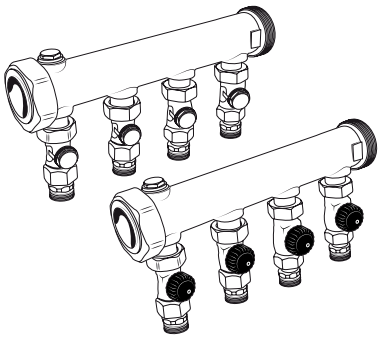


Material: brass
for customary manifolds/joints

aquatherm orange system **LARGE-AREA HEATING CIRCUIT MANIFOLD**

in modular construction

Art. no.	Dimension	PU	Price € m/pc
99062	2-fold 1 ½“	1	
99063	3-fold 1 ½“	1	
99064	4-fold 1 ½“	1	



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

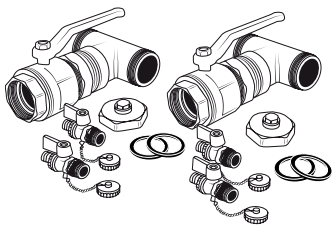
Brass large area round pipe manifold with separate arranged flow and return:

- Control valve in flow
- Thermostate valve in return
- Euroconus connection 3/4“
- Flat sealing male screw with coupling ring 2“

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

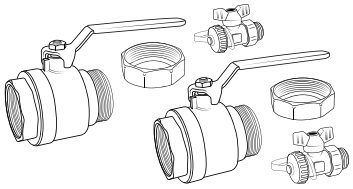
with ball valve, for extension of Art. no. 99062–99064

Art. no.	Dimension	PU	Price € m/pc
99027	ball valve 2“	1	



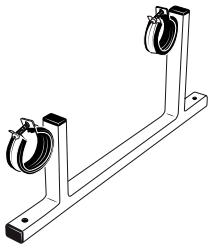
aquatherm orange system
ACCESSORIES KIT FOR LARGE AREA HEATING CIRCUIT MANIFOLD

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



Art. no.	Dimension	PU	Price € m/pc
99000	1 ½"	1	

aquatherm orange system
CONSOLE FOR LARGE AREA HEATING CIRCUIT MANIFOLD

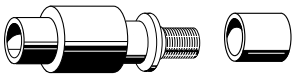


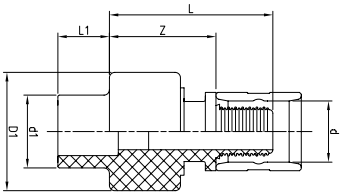
Art. no.	Dimension	PU	Price € m/pc
99060	1 ½"	1	

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

aquatherm orange system ADAPTER

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



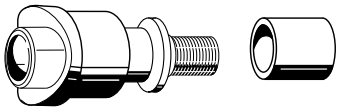


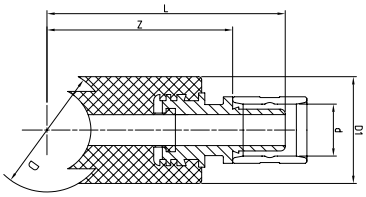
Art. no.	Dimension	d1 [mm]	d [mm]	D1 [mm]	Z [mm]	L [mm]	L1 [mm]	PU	Price € m/pc
78300	aquatherm green pipe 20 mm x aquatherm orange system 16 mm	**20**	**16**	32,5	30,0	46,0	14,5	2	
78302	aquatherm green pipe 20 mm x aquatherm orange system 20 mm	**20**	**20**	34,5	30,0	47,0	11,0	2	

Material: PP-R/brass

aquatherm grey pipe WELD-IN SADDLE ADAPTER

for PE-RT and PB pipes, including sliding sleeve



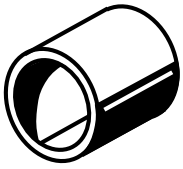


Art. no.	Dimension	D [mm]	d [mm]	Z [mm]	L [mm]	D1 [mm]	PU	Price € m/pc
78402	aquatherm green pipe 40 mm x aquatherm orange system 16 mm	**40**	**16**	60,0	77,0	34,5	2	
78404	aquatherm green pipe 40 mm x aquatherm orange system 20 mm	**40**	**20**	58,0	75,0	38,5	2	
78406	aquatherm green pipe 50 mm x aquatherm orange system 16 mm	**50**	**16**	65,0	82,0	32,5	2	
78408	aquatherm green pipe 50 mm x aquatherm orange system 20 mm	**50**	**20**	64,0	81,0	38,5	2	

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

aquatherm grey pipe SPARE SLIDING SLEEVE

for PB pipes



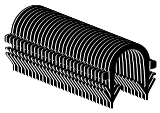
Art. no.	Dimension [mm]	PU	Price € m/pc
79988	14	10	
79990	16	10	
79992	20	10	
79994	25	10	

Material: brass

aquatherm PIPE CLAMP

Systems: aquatherm orange system, aquatherm black system

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



for aquatherm orange system underfloor heating pipes
Material: Polyamid

aquatherm TACKER

Systems: aquatherm orange system, aquatherm black system

Art. no.	Dimension	PU	Price € m/pc
96003		1	

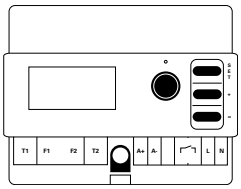
Note: Applicable with Art. no. 90504
for fixing of heating pipe with pipe clips on the aquatherm orange system system elements

AUTOMATIC CONTROL FOR KEEPING AREAS SNOW-AND ICE-FREE

aquatherm orange system DIGITAL ICE- AND SNOW DETECTOR

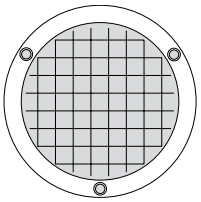
for activating open space heating systems if required

Art. no.	Dimension	PU	Price € m/pc
99258		1	



aquatherm orange system OPEN SPACE SENSOR

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



aquatherm orange system ANTIFREEZER FOR OPEN-SPACE HEATING

Art. no.	Dimension	PU	Price € m/pc
99743		25	

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

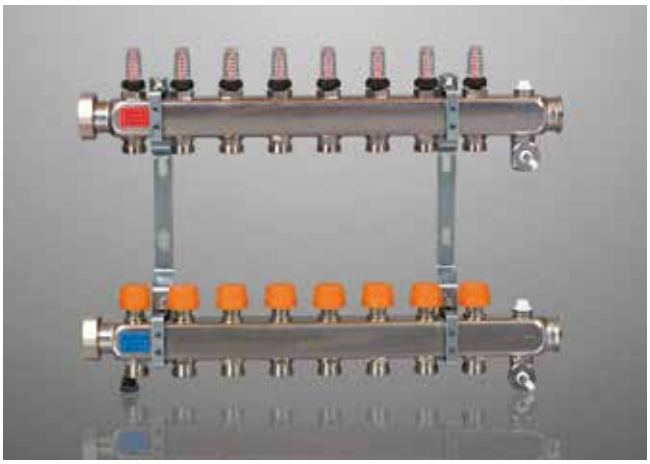
aquatherm control components

FOR AQUATHERM BLACK SYSTEM AND AQUATHERM ORANGE SYSTEM

aquatherm radio control system of the next generation for house and flat. The system combines the latest technology from the field of smart home and IOT. The heating/cooling system is controlled by means of the WLAN router, as well as mobile devices, such as smartphone, tablet or laptop.

The radio control system consists of a room thermostat, multichannel receiver and hub. In case of cooling, a dewpoint monitoring can be connected by means of an external humiditiy sensor.

aquatherm heating/cooling manifold for individual adjustment of the volume flows needed. Manifolds are prefabricated and ready for connection, optionally with control valve or dynamic valve for the hydraulic balance.



Radio room thermostat

Multichannel receiver

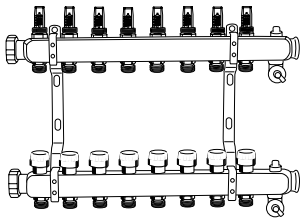
Hub

NEW aquatherm HEATING CIRCUIT MANIFOLD WITH FLOW INDICATOR AND DYNAMIC VALVES

Clamping screws and ball valves have to be ordered separately

Systems: aquatherm orange system, aquatherm black system

Art. no.	Dimension	PU	Price € m/pc
92402	Stainless steel 2-fold flow indicator dyn.	1	
92403	Stainless steel 3-fold flow indicator dyn.	1	
92404	Stainless steel 4-fold flow indicator dyn.	1	
92405	Stainless steel 5-fold flow indicator dyn.	1	
92406	Stainless steel 6-fold flow indicator dyn.	1	
92407	Stainless steel 7-fach flow indicator dyn.	1	
92408	Stainless steel 8-fold flow indicator dyn.	1	
92409	Stainless steel 9-fold flow indicator dyn.	1	
92410	Stainless steel 10-fold flow indicator dyn.	1	
92411	Stainless steel 11-fold flow indicator dyn.	1	
92412	Stainless steel 12-fold flow indicator dyn.	1	



Stainless steel manifold with the following properties:

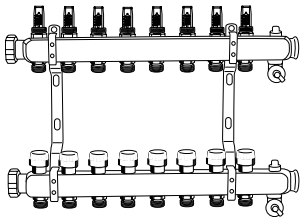
- Flow- and return manifold are arranged separately
- Flow indicator with shut-off in the flow
- **Dynamic valve for automatic flow control in return; with protective cap**
- Feed and drain valves
- Air valves
- Bracket set with bow and sound protection
- Sealing plug

aquatherm HEATING CIRCUIT MANIFOLD WITH FLOW INDICATOR

screwed joints and ball valves have to be ordered separately

Systems: aquatherm orange system, aquatherm black system

Art. no.	Dimension	PU	Price € m/pc
92302	Stainless steel 2-fold flow indicator	1	
92303	Stainless steel 3-fold flow indicator	1	
92304	Stainless steel 4-fold flow indicator	1	
92305	Stainless steel 5-fold flow indicator	1	
92306	Stainless steel 6-fold flow indicator	1	
92307	Stainless steel 7-fach flow indicator.	1	
92308	Stainless steel 8-fold flow indicator	1	
92309	Stainless steel 9-fold flow indicator	1	
92310	Stainless steel 10-fold flow indicator	1	
92311	Stainless steel 11-fold flow indicator	1	
92312	Stainless steel 12-fold flow indicator	1	



Stainless steel manifold with the following properties:

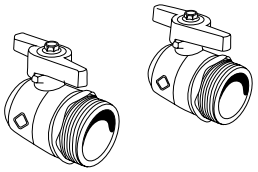
- Flow- and return manifold are arranged separately
- Flow indicator with shut-off in the flow
- Control and shut-off valve with protection cap in return
- Feed and drain valves
- Air valves
- Bracket set with bow and sound protection
- Sealing plug

aquatherm black system BALL VALVE SET

Straight design, for manifold Art. no. 92302–92312

Systems: aquatherm orange system, aquatherm black system

Art. no.	Dimension	PU	Price € m/pc
92320	1“ straight	1	

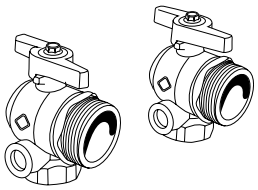


aquatherm BALL VALVE SET

Corner design, for manifold Art. no. 92302–92312

Systems: aquatherm orange system, aquatherm black system

Art. no.	Dimension	PU	Price € m/pc
92321	1“ corner	1	

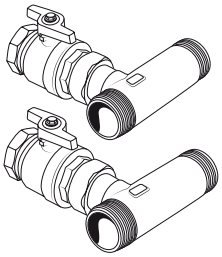


aquatherm MID CONNECTION SET

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

Systems: aquatherm orange system, aquatherm black system

Art. no.	Dimension	PU	Price € m/pc
92330	ball valve 1 1/4“	1	

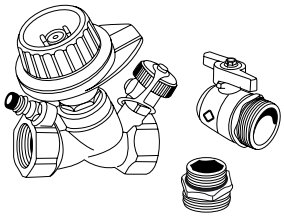


aquatherm LINE CONTROL VALVE SET FOR MANIFOLD

Systems: aquatherm orange system, aquatherm black system

Art. no.	Dimension	PU	Price € m/pc
92329	1“	1	

For restriction of flow rate respectively for hydraulic balancing of manifolds

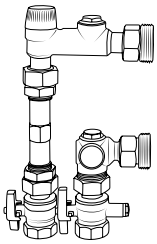


aquatherm UNIVERSAL HEAT METER

Systems: aquatherm orange system, aquatherm black system

Art. no.	Dimension	PU	Price € m/pc
92323	1“	1	

for mounting to aquatherm orange system manifold

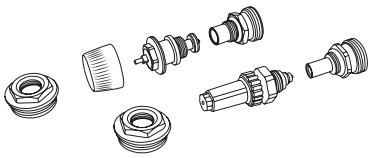


aquatherm HEATING CIRCUIT MANIFOLD EXTENSION SET

for Art. no. 92302–92312

Systems: aquatherm orange system, aquatherm black system

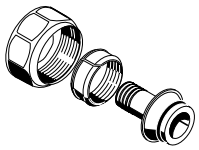
Art. no.	Dimension	PU	Price € m/pc
92069		1	



aquatherm EUROCONUS CONNECTOR

for heating circuit manifold

Systems: aquatherm orange system, aquatherm black system

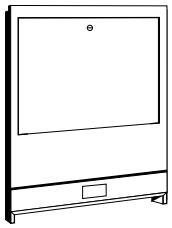


Art. no.	Dimension	PU	Price € m/pc
92106	ø 16 x 2,0 mm	5	
92108	ø 20x2,0mm	5	

cap nut nickel-plated

aquatherm UNIVERSAL MANIFOLD CABINET

Systems: aquatherm orange system, aquatherm black system



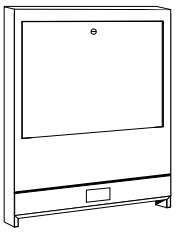
Art. no.	Dimension	PU	Price € m/pc
93102	UP1, size 1 for 2 - 3 circuits, height = 700 - 850 mm, width = 400 mm, depth = 110 - 150 mm	1	
93104	UP2, size 2 for 4 - 6 circuits, height = 700 - 850 mm, width = 550 mm, depth = 110 - 150 mm	1	
93106	UP3, size 3 for 7 - 10 circuits, height = 700 - 850 mm, width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

For concealed installation

- Universal mounting, vertically and horizontally infinitely variable
- Lower lining height-adaptable
- Prepressed lateral pipe passage
- Lateral bases, height-adjustable
- Made of hot galvanized sheet steel
- White laquered design acc. to RAL 9010

aquatherm UNIVERSAL-MANIFOLD CABINET

Systems: aquatherm orange system, aquatherm black system



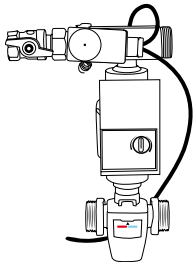
Art. no.	Dimension	PU	Price € m/pc
93112	AP1, size 1 for 2 - 4 circuits, height = 730 mm, width = 455 mm, depth = 150 mm	1	
93114	AP2, size 2 for 5 - 7 circuits, height = 730 mm, width = 605 mm, depth = 150 mm	1	
93116	AP3, size 3 for 8 - 10 circuits, height = 730 mm, width = 805 mm, depth = 150 mm	1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

For surface installation

- Universal mounting, vertically and horizontally infinitely variable
- Made of hot galvanized sheet steel
- With laquered design acc. to RAL 9010
- With detachable screed impact and pipe reversing plate

aquatherm FIXED COMMAND CONTROL

Systems: aquatherm orange system, aquatherm black system



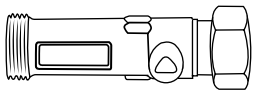
Art. no.	Dimension	PU	Price € m/pc
92162	1"	1	

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

Composed of:
- Injection mixing valve for control of flow temperature in the underfloor circuit
- Circulation pump
- Safty temperature limiter
- Ball valve

aquatherm FLOW INDICATOR FOR FIXED VALUE SETTING

Systems: aquatherm orange system, aquatherm black system

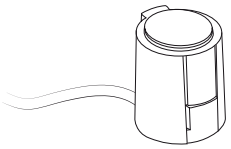


Art. no.	Dimension	PU	Price € m/pc
92163	2-12 l/min.	1	

aquatherm ACTUATOR

for heating circuit manifolds and heating circuit control valves – flow

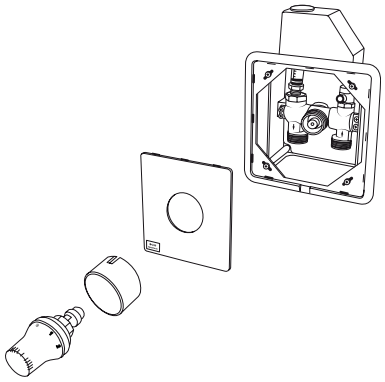
Systems: aquatherm orange system, aquatherm black system



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

aquatherm RETURN TEMPERATURE LIMITER

Systems: aquatherm orange system, aquatherm black system

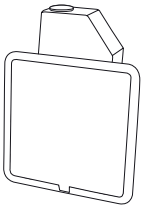


Art. no.	Dimension	PU	Price € m/pc
94162		1	

Single room control for adjustment of
- return temperature
- room temperature
- with concealed case
- with cap
- with flow indicator
- with air valve

aquatherm INDIVIDUAL ROOM CONTROL

Systems: aquatherm orange system, aquatherm black system



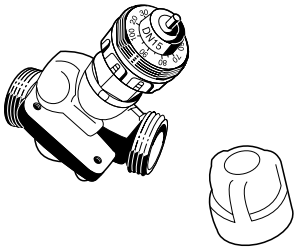
Art. no.	Dimension	PU	Price € m/pc
94163		1	

Single room control for adjustment of
- return temperature
- room temperature
- with concealed case
- with cap
- with flow indicator
- with air valve

aquatherm AB-QM COMBINATION VALVE

balancing and controlling valve for heating and cooling systems

Systems: aquatherm orange system, aquatherm black system



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

NEW aquatherm RADIO ROOM THERMOSTAT

wireless design

Systems: aquatherm orange system, aquatherm black system

Art. no.	Dimension	PU	Price € m/pc
94307		1	

- *2.4" LCD color display*
- *High-resolution screen (320x240 px)*
- *3 capacitive touch buttons*
- *Simplified desktop*
- *Humidity sensor*
- *Child-proof lock*
- *Battery durability: 2 years*

NEW aquatherm MULTICHANNEL RECEIVER

for connection of 230 V actuators

Systems: aquatherm orange system, aquatherm black system

Art. no.	Dimension	PU	Price € m/pc
94347		1	

Available from March 2018

For connection of:

- *6 zones*
- *14 actuators*
- *Dewpoint sensor*
- *Input heating/cooling*

NEW aquatherm HUB

Combined system control and internet gateway

Systems: aquatherm orange system, aquatherm black system

Art. no.	Dimension	PU	Price € m/pc
94348		1	

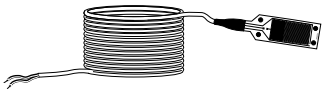
- *Works as WLAN access point, offering with local app access even without internet connection*
- *Up to 16 heating zones*
- *Absence mode provides energy saving and on return it turns the heating on again*
- *Automatic antifreeze protection*

aquatherm orange system DEWPOINT SENSOR

Systeme: aquatherm orange system, aquatherm black system

Art. no.	Dimension	PU	Price € m/pc
94236		1	

Humidistat with flexible foil; Length of supply = 10 m



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aquatherm grey pipe	Portable water and heating installations	PAGE 110–129
aquatherm black system	Heating and cooling system	PAGE 130–141
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aquatherm green pipe

aquatherm blue pipe

aquatherm lilac pipe

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aquatherm green pipe SDR 9 MF UV	12
aquatherm green pipe SDR 7.4 MF UV	13
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aquatherm ti

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aquatherm Prefabrication

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WORKING PRESSURE

PERMISSIBLE WORKING PRESSURE – POTABLE WATER

Fluid transported: water acc. to DIN 2000

Temperature	Years of service	aquatherm green pipe SDR 11 S aquatherm lilac pipe SDR 11 S		aquatherm green pipe SDR 7,4 S		aquatherm green pipe SDR 6 S		aquatherm green pipe SDR 7,4 MF		aquatherm green pipe SDR 9 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)
40 °C 104 °F	1	17,1	(248)	21,5	(312)	20,5	(297)	18,7	(271)		
	5	16,0	(232)	20,2	(293)	19,2	(278)	18,0	(261)		
	10	15,6	(226)	19,6	(284)	18,7	(271)	17,7	(257)		
	25	15,0	(218)	18,8	(273)	18,0	(261)	17,4	(252)		
	50	14,5	(210)	18,3	(265)	17,5	(254)	17,0	(247)		
50 °C 122 °F	1	14,5	(210)	18,3	(265)	17,5	(254)	15,9	(231)		
	5	13,5	(196)	17,0	(247)	16,2	(235)	15,3	(222)		
	10	13,1	(190)	16,5	(239)	15,7	(228)	15,1	(219)		
	25	12,6	(183)	15,9	(231)	15,2	(220)	14,8	(215)		
	50	12,2	(177)	15,4	(223)	14,7	(213)	14,5	(210)		
60 °C 140 °F	1	12,2	(177)	15,4	(223)	14,7	(213)	13,5	(196)		
	5	11,4	(165)	14,3	(207)	13,7	(199)	13,0	(189)		
	10	11,0	(160)	13,8	(200)	13,2	(191)	12,8	(186)		
	25	10,5	(152)	13,3	(193)	12,6	(183)	12,5	(181)		
	50	10,1	(146)	12,7	(184)	12,1	(175)	12,3	(178)		
65 °C 149 °F	1	11,6	(168)	14,6	(212)	13,9	(202)	12,4	(180)		
	5	10,8	(157)	13,6	(197)	12,9	(187)	11,9	(173)		
	10	10,4	(151)	13,1	(190)	12,5	(181)	11,7	(170)		
	25	10,0	(145)	12,6	(183)	12,0	(174)	11,4	(165)		
	50	8,8	(128)	11,1	(161)	10,6	(154)	11,2	(162)		
70 °C 158 °F	1	10,3	(149)	13,0	(189)	12,4	(180)	11,4	(165)		
	5	9,5	(138)	11,9	(173)	11,4	(165)	10,9	(158)		
	10	9,3	(135)	11,7	(170)	11,1	(161)	10,7	(155)		
	25	8,0	(116)	10,1	(146)	9,6	(139)	10,5	(152)		
	30	7,0	(102)	8,8	(128)	9,3	(135)	10,3	(149)		
	50	6,7	(97)	8,5	(123)	8,1	(117)	10,2	(148)		
		Faser composite pipe: high working stress at lower wall thickness and higher flow rate									

Potable water (cold)

Potable water (warm)

SDR = Standard Dimension Ratio (diameter/wall thickness ratio)
S = single 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		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 167 °F	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 176 °F	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 185 °F	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 194 °F	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 167 °F	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 176 °F	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 185 °F	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 194 °F	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 167 °F	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 176 °F	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 185 °F	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 194 °F	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 x S + 1 ≈ **d/s** (S = Pipe series index from ISO 4065)

PERMISSIBLE WORKING PRESSURE

for general pressure pipe applications in permanent operation
charted application ranges on page 159 and 160

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 50 °F	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)
	100	10,8	(157)	23,5	(341)	25,2	(366)	26,3	(381)
15 °C 59 °F	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)
	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)
20 °C 68 °F	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	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)
30 °C 86 °F	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)
	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)
40 °C 104 °F	1	7,9	(115)	17,1	(248)	20,5	(297)	18,6	(270)
	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)
50 °C 122 °F	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)
	100	5,5	(80)	11,9	(173)	14,1	(205)	14,3	(207)
60 °C 140 °F	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	4,7	(68)	10,3	(149)	12,1	(175)	12,2	(177)
70 °C 158 °F	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)
	50	3,1	(45)	6,8	(99)	8,1	(117)	10,2	(148)
75 °C 167 °F	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)
	50	2,5	(36)	5,4	(78)	6,7	(97)	9,3	(135)
80 °C 176 °F	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)
90 °C 194 °F	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
MF = multilayer faser
MF RP = multilayer faser – raised pressure (resistance)

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

FURTHER INFORMATION

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

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