aquatherm®

PRODUCT CATALOGUE
2025

Part of the Solution
www.aquatherm.de

News since the last version

- aquatherm green pipe becomes aquatherm green
- aquatherm blue pipe becomes aquatherm blue
- aquatherm red pipe becomes aquatherm red
- aquatherm black system becomes aquatherm black
- aquatherm ti becomes aquatherm energy

Recommended retail price of the manufacturer.

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

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

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Abbreviations pipe structure:

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

Abbreviations material:

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

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
- refrigeration
- agriculture
- sports floor heating and cooling
- swimming pool technology
- chemical transport
- rainwater application
- irrigation
- fire protection sprinkler-systems
- shipbuilding
- district heating pipeline systems
- geothermal

Lengths	units in mm unless otherwise specified
Weight	weight data in kg/m
Radius	all data in inches
Volume	water content in litre/metre
SDR	standard dimension ratio
PU	packing unit

aquatherm is the leading manufacturer of polypropylene pipe systems for plant engineering and building services.

aquatherm blue

Diameter in mm	16	17	20	25	32	40	50	63	75	90	110	125	160	200	250	315	355	400	450	500	630
SDR 7.4 MF	·	·	O	O	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·
SDR 7.4 MF UV	·	·	O	O	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·
SDR 7.4 MF OT	·	·	O	O	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·
SDR 9 MF RP	·	·	·	·	O	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·
SDR 9 MF RP UV	·	·	·	·	O	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·
SDR 9 MF RP OT	·	·	·	·	O	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·
SDR 11 S	·	·	O	O	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·
SDR 11 MF RP	·	·	·	·	·	O	O	O	O	O	O	O	O	O	O	O	O	O	O	·	·
SDR 11 MF RP UV	·	·	·	·	·	O	O	O	O	O	O	O	O	O	O	O	O	O	O	·	·
SDR 11 MF RP OT	·	·	·	·	·	O	O	O	O	O	O	O	O	O	O	·	·	·	·	·	·
SDR 17.6 MF RP	·	·	·	·	·	·	·	·	·	·	·	O	O	O	O	O	O	O	O	O	O
SDR 17.6 MF RP UV	·	·	·	·	·	·	·	·	·	·	·	O	O	O	O	O	O	O	O	O	O

aquatherm green

Diameter in mm	16	17	20	25	32	40	50	63	75	90	110	125	160	200	250	315	355	400	450	500	630
SDR 6 S	·	·	O	O	O	O	O	O	O	O	O	·	·	·	·	·	·	·	·	·	·
SDR 7.4 S	·	·	O	O	O	O	O	O	·	·	·	·	·	·	·	·	·	·	·	·	·
SDR 7.4 MF	·	·	O	O	O	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·
SDR 7.4 MF UV	·	·	O	O	O	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·
SDR 9 MF RP	·	·	·	·	O	O	O	O	O	O	O	O	O	O	O	O	·	·	·	·	·
SDR 9 MF RP UV	·	·	·	·	O	O	O	O	O	O	O	O	O	O	O	O	·	·	·	·	·
SDR 11 S	·	·	O	O	O	O	O	O	O	O	O	O	O	O	O	O	·	·	·	·	·

aquatherm energy green & blue

Diameter in mm	16	17	20	25	32	40	50	63	75	90	110	125	160	200	250	315	355	400	450	500	630
SDR 9 MF RP	·	·	·	·	O	O	O	O	O	O	O	O	O	O	O	O	·	·	·	·	·
SDR 9 MF RP	·	·	·	·	O	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·
SDR 9 MF RP OT	·	·	·	·	O	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·
SDR 11 MF RP	·	·	·	·	·	O	O	O	O	O	O	O	O	O	O	O	O	·	·	·	·
SDR 11 MF RP OT	·	·	·	·	·	O	O	O	O	O	O	O	O	O	O	·	·	·	·	·	·
SDR 17,6 MF RP	·	·	·	·	·	·	·	·	·	·	·	O	O	O	O	O	O	·	·	·	·

aquatherm red

Diameter in mm	16	17	20	25	32	40	50	63	75	90	110	125	160	200	250	315	355	400	450	500	630
SDR 7.4 HI	·	·	·	O	O	O	O	O	O	O	O	O	·	·	·	·	·	·	·	·	·

The numerous product lines provide superior solutions in potable water applications, heating systems, fire sprinkler systems, air-conditioning and refrigeration technology, as well as in surface heating and cooling systems.

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

aquatherm black

		potable water	HVAC	swimming pool	chemical fluids	recycled & reclaimed water	compressed air	district heating	geothermal	shipbuilding sector	refrigeration & air conditioning
M	OT	·	O	·	·	·	·	·	·	·	·

aquatherm blue

	potable water	HVAC	swimming pool	chemical fluids	recycled & reclaimed water	district heating	geothermal	shipbuilding sector	refrigeration & air conditioning
SDR 7.4 MF	·	O	O	O	○	O	O	O	O
SDR 7.4 MF UV	·	O	O	O	○	O	O	O	O
SDR 7.4 MF OT	·	O	O	O	○	O	O	O	O
SDR 9 MF RP	·	O	O	O	○	O	O	O	O
SDR 9 MF RP UV	·	O	O	O	○	O	O	O	O
SDR 9 MF RP OT	·	O	O	O	○	O	O	O	O
SDR 11 S	·	O	O	O	○	O	O	O	O
SDR 11 MF RP	·	O	O	O	○	O	O	O	O
SDR 11 MF RP UV	·	O	O	O	○	O	O	O	O
SDR 11 MF RP OT	·	O	O	O	○	O	O	O	O
SDR 17.6 MF RP	·	O	O	O	○	O	O	O	O
SDR 17.6 MF RP UV	·	O	O	O	○	O	O	O	O

aquatherm green

	potable water	HVAC	swimming pool	chemical fluids	recycled & reclaimed water	district heating	geothermal	shipbuilding sector	refrigeration & air conditioning
SDR 6 S	O	○	○	O	○	○	○	O	○
SDR 7.4 S	O	○	○	O	○	○	○	O	○
SDR 7.4 MF	O	○	○	O	○	○	○	O	○
SDR 7.4 MF UV	O	○	○	O	○	○	○	O	○
SDR 9 MF RP	O	○	○	O	○	○	○	O	○
SDR 9 MF RP UV	O	○	○	O	○	○	○	O	○
SDR 11 S	O	○	○	O	○	○	○	O	○

aquatherm energy green & blue

	potable water	HVAC	swimming pool	chemical fluids	recycled & reclaimed water	district heating	geothermal	shipbuilding sector	refrigeration & air conditioning
SDR 9 MF RP	O	○	○	O	○	○	○	O	○
SDR 9 MF RP	·	O	O	O	○	O	O	O	O
SDR 9 MF RP OT	·	O	O	O	○	O	O	O	O
SDR 11 MF RP	·	O	O	O	○	O	O	O	O
SDR 11 MF RP OT	·	O	O	O	○	O	O	O	O
SDR 17,6 MF RP	·	O	O	O	○	O	O	O	O

aquatherm red

	potable water	HVAC	swimming pool	chemical fluids	recycled & reclaimed water	district heating	fire protection	shipbuilding sector	refrigeration & air conditioning
SDR 7.4 HI	·	·	·	·	·	·	O	·	·

aquatherm black

Surface heating and cooling systems

for ceiling, wall and other applications.

aquatherm black is a multiple award winning surface heating and cooling system. Versatile, manufactured in compact register design and equipped with a future-proof technology – these are some of the essential features of the aquatherm black.

The special feature: It can be installed in the ceiling as well as in the wall and floor. Depending on the requirements, the surface temperature of the elements is driven a few degrees above or below the desired room temperature. The radiant energy provides either pleasant heat or cooling without disturbing draughts or dust turbulence.

Application:

Connection types

	width (m)	length (m)	
aquatherm black energy grid one-sided push-fit conncetion 45° left / right Connection type 43	0,24 - 0,60	0,60 - 2,00	
aquatherm black energy grid alternating push-fit connection, 45° bottom left / top right Connection type 44	0,24 - 0,60	0,60 - 2,00	
aquatherm black heating and cooling grid one-sided welding connection, left / right Connection type 45	0,24 - 0,60	0,60 - 2,00	
aquatherm black energy grid one-sided push-fit connection, left / right Connection type 46	0,24 - 0,60	0,60 - 2,00	

aquatherm black energy grid

one-sided push-fit connection, 45° left / right
Connection type 43

available from
second quarter 2024

Article no.	width [m]	length [m]	area [m²]	PU
4310240600	0,24	0,60	0,14	1
4310240800	0,24	0,80	0,19	1
4310241000	0,24	1,00	0,24	1
4310241200	0,24	1,20	0,29	1
4310241400	0,24	1,40	0,34	1
4310241600	0,24	1,60	0,38	1
4310241800	0,24	1,80	0,43	1
4310242000	0,24	2,00	0,48	1
4310280600	0,28	0,60	0,17	1
4310280800	0,28	0,80	0,22	1
4310281000	0,28	1,00	0,28	1
4310281200	0,28	1,20	0,34	1
4310281400	0,28	1,40	0,39	1
4310281600	0,28	1,60	0,45	1
4310281800	0,28	1,80	0,50	1
4310282000	0,28	2,00	0,56	1
4310320600	0,32	0,60	0,19	1
4310320800	0,32	0,80	0,26	1
4310321000	0,32	1,00	0,32	1
4310321200	0,32	1,20	0,38	1
4310321400	0,32	1,40	0,45	1
4310321600	0,32	1,60	0,51	1
4310321800	0,32	1,80	0,58	1
4310322000	0,32	2,00	0,64	1
4310360600	0,36	0,60	0,22	1
4310360800	0,36	0,80	0,29	1
4310361000	0,36	1,00	0,36	1
4310361200	0,36	1,20	0,43	1
4310361400	0,36	1,40	0,50	1
4310361600	0,36	1,60	0,58	1
4310361800	0,36	1,80	0,65	1
4310362000	0,36	2,00	0,72	1
4310400600	0,40	0,60	0,24	1
4310400800	0,40	0,80	0,32	1
4310401000	0,40	1,00	0,40	1
4310401200	0,40	1,20	0,48	1
4310401400	0,40	1,40	0,56	1
4310401600	0,40	1,60	0,64	1
4310401800	0,40	1,80	0,72	1
4310402000	0,40	2,00	0,80	1
4310480600	0,48	0,60	0,29	1
4310480800	0,48	0,80	0,38	1

Continued on the next page ...

aquatherm black energy grid

one-sided push-fit connection, 45° left / right
Connection type 43

available from
second quarter 2024

Article no.	width [m]	length [m]	area [m²]	PU
4310481000	0,48	1,00	0,48	1
4310481200	0,48	1,20	0,58	1
4310481400	0,48	1,40	0,67	1
4310481600	0,48	1,60	0,77	1
4310481800	0,48	1,80	0,86	1
4310482000	0,48	2,00	0,96	1
4310520600	0,52	0,60	0,31	1
4310520800	0,52	0,80	0,42	1
4310521000	0,52	1,00	0,52	1
4310521200	0,52	1,20	0,62	1
4310521400	0,52	1,40	0,73	1
4310521600	0,52	1,60	0,83	1
4310521800	0,52	1,80	0,94	1
4310522000	0,52	2,00	1,04	1
4310560600	0,56	0,60	0,34	1
4310560800	0,56	0,80	0,45	1
4310561000	0,56	1,00	0,56	1
4310561200	0,56	1,20	0,67	1
4310561400	0,56	1,40	0,78	1
4310561600	0,56	1,60	0,90	1
4310561800	0,56	1,80	1,01	1
4310562000	0,56	2,00	1,12	1
4310600600	0,60	0,60	0,36	1
4310600800	0,60	0,80	0,48	1
4310601000	0,60	1,00	0,60	1
4310601200	0,60	1,20	0,72	1
4310601400	0,60	1,40	0,84	1
4310601600	0,60	1,60	0,96	1
4310601800	0,60	1,80	1,08	1
4310602000	0,60	2,00	1,20	1

aquatherm black energy grid

one-sided push-fit connection, 45° left / right
Connection type 43

available from
second quarter 2024

Article no.	width [m]	length [m]	area [m²]	PU
*4310481080	0,48	1,08	0,52	1
*4310560580	0,56	0,58	0,32	1
*4310561180	0,56	1,18	0,66	1

*Special register for standard metal cassettes

aquatherm black energy grid

alternating push-fit connection, 45° bottom left / top right
Connection type 44

available from
second quarter 2024

Article no.	width [m]	length [m]	area [m²]	PU
4410240600	0,24	0,60	0,14	1
4410240800	0,24	0,80	0,19	1
4410241000	0,24	1,00	0,24	1
4410241200	0,24	1,20	0,29	1
4410241400	0,24	1,40	0,34	1
4410241600	0,24	1,60	0,38	1
4410241800	0,24	1,80	0,43	1
4410242000	0,24	2,00	0,48	1
4410280600	0,28	0,60	0,17	1
4410280800	0,28	0,80	0,22	1
4410281000	0,28	1,00	0,28	1
4410281200	0,28	1,20	0,34	1
4410281400	0,28	1,40	0,39	1
4410281600	0,28	1,60	0,45	1
4410281800	0,28	1,80	0,50	1
4410282000	0,28	2,00	0,56	1
4410320600	0,32	0,60	0,19	1
4410320800	0,32	0,80	0,26	1
4410321000	0,32	1,00	0,32	1
4410321200	0,32	1,20	0,38	1
4410321400	0,32	1,40	0,45	1
4410240600	0,24	0,60	0,14	1
4410240800	0,24	0,80	0,19	1
4410241000	0,24	1,00	0,24	1
4410241200	0,24	1,20	0,29	1
4410241400	0,24	1,40	0,34	1
4410241600	0,24	1,60	0,38	1
4410241800	0,24	1,80	0,43	1
4410242000	0,24	2,00	0,48	1
4410280600	0,28	0,60	0,17	1
4410280800	0,28	0,80	0,22	1
4410281000	0,28	1,00	0,28	1
4410281200	0,28	1,20	0,34	1
4410281400	0,28	1,40	0,39	1
4410281600	0,28	1,60	0,45	1
4410281800	0,28	1,80	0,50	1
4410282000	0,28	2,00	0,56	1
4410320600	0,32	0,60	0,19	1
4410320800	0,32	0,80	0,26	1
4410321000	0,32	1,00	0,32	1
4410321200	0,32	1,20	0,38	1
4410321400	0,32	1,40	0,45	1

Continued on the next page ...

aquatherm black energy grid

alternating push-fit connection, 45° bottom left / top right
Connection type 44

available from
second quarter 2024

Article no.	width [m]	length [m]	area [m²]	PU
4410321600	0,32	1,60	0,51	1
4410321800	0,32	1,80	0,58	1
4410322000	0,32	2,00	0,64	1
4410360600	0,36	0,60	0,22	1
4410360800	0,36	0,80	0,29	1
4410361000	0,36	1,00	0,36	1
4410361200	0,36	1,20	0,43	1
4410361400	0,36	1,40	0,50	1
4410361600	0,36	1,60	0,58	1
4410361800	0,36	1,80	0,65	1
4410362000	0,36	2,00	0,72	1
4410400600	0,40	0,60	0,24	1
4410400800	0,40	0,80	0,32	1
4410401000	0,40	1,00	0,40	1
4410401200	0,40	1,20	0,48	1
4410401400	0,40	1,40	0,56	1
4410401600	0,40	1,60	0,64	1
4410401800	0,40	1,80	0,72	1
4410402000	0,40	2,00	0,80	1
4410480600	0,48	0,60	0,29	1
4410480800	0,48	0,80	0,38	1
4410481000	0,48	1,00	0,48	1
4410481200	0,48	1,20	0,58	1
4410481400	0,48	1,40	0,67	1
4410481600	0,48	1,60	0,77	1
4410481800	0,48	1,80	0,86	1
4410482000	0,48	2,00	0,96	1
4410520600	0,52	0,60	0,31	1
4410520800	0,52	0,80	0,42	1
4410521000	0,52	1,00	0,52	1
4410521200	0,52	1,20	0,62	1
4410521400	0,52	1,40	0,73	1
4410521600	0,52	1,60	0,83	1
4410521800	0,52	1,80	0,94	1
4410522000	0,52	2,00	1,04	1
4410560600	0,56	0,60	0,34	1
4410560800	0,56	0,80	0,45	1
4410561000	0,56	1,00	0,56	1
4410561200	0,56	1,20	0,67	1
4410561400	0,56	1,40	0,78	1
4410561600	0,56	1,60	0,90	1
4410561800	0,56	1,80	1,01	1

Continued on the next page ...

aquatherm black energy grid

alternating push-fit connection, 45° bottom left / top right
Connection type 44

available from
second quarter 2024

Article no.	width [m]	length [m]	area [m²]	PU
4410562000	0,56	2,00	1,12	1
4410600600	0,60	0,60	0,36	1
4410600800	0,60	0,80	0,48	1
4410601000	0,60	1,00	0,60	1
4410601200	0,60	1,20	0,72	1
4410601400	0,60	1,40	0,84	1
4410601600	0,60	1,60	0,96	1
4410601800	0,60	1,80	1,08	1
4410602000	0,60	2,00	1,20	1

aquatherm black energy grid

one-sided push-fit connection, left / right
Connection type 46

available from
second quarter 2024

Article no.	width [m]	length [m]	area [m²]	PU
4610240600	0,24	0,60	0,14	1
4610240800	0,24	0,80	0,19	1
4610241000	0,24	1,00	0,24	1
4610241200	0,24	1,20	0,29	1
4610241400	0,24	1,40	0,34	1
4610241600	0,24	1,60	0,38	1
4610241800	0,24	1,80	0,43	1
4610242000	0,24	2,00	0,48	1
4610280600	0,28	0,60	0,17	1
4610280800	0,28	0,80	0,22	1
4610281000	0,28	1,00	0,28	1
4610281200	0,28	1,20	0,34	1
4610281400	0,28	1,40	0,39	1
4610281600	0,28	1,60	0,45	1
4610281800	0,28	1,80	0,50	1
4610282000	0,28	2,00	0,56	1
4610320600	0,32	0,60	0,19	1
4610320800	0,32	0,80	0,26	1
4610321000	0,32	1,00	0,32	1
4610321200	0,32	1,20	0,38	1
4610321400	0,32	1,40	0,45	1
4610321600	0,32	1,60	0,51	1
4610321800	0,32	1,80	0,58	1
4610322000	0,32	2,00	0,64	1
4610360600	0,36	0,60	0,22	1
4610360800	0,36	0,80	0,29	1
4610361000	0,36	1,00	0,36	1
4610361200	0,36	1,20	0,43	1
4610361400	0,36	1,40	0,50	1
4610361600	0,36	1,60	0,58	1
4610361800	0,36	1,80	0,65	1
4610362000	0,36	2,00	0,72	1
4610400600	0,40	0,60	0,24	1
4610400800	0,40	0,80	0,32	1

Continued on the next page ...

aquatherm black energy grid

available from
second quarter 2024

one-sided push-fit connection, left / right
Connection type 46

Article no.	width [m]	length [m]	area [m²]	PU
4610401000	0,40	1,00	0,40	1
4610401200	0,40	1,20	0,48	1
4610401400	0,40	1,40	0,56	1
4610401600	0,40	1,60	0,64	1
4610401800	0,40	1,80	0,72	1
4610402000	0,40	2,00	0,80	1
4610480600	0,48	0,60	0,29	1
4610480800	0,48	0,80	0,38	1
4610481000	0,48	1,00	0,48	1
4610481200	0,48	1,20	0,58	1
4610481400	0,48	1,40	0,67	1
4610481600	0,48	1,60	0,77	1
4610481800	0,48	1,80	0,86	1
4610482000	0,48	2,00	0,96	1
4610520600	0,52	0,60	0,31	1
4610520800	0,52	0,80	0,42	1
4610521000	0,52	1,00	0,52	1
4610521200	0,52	1,20	0,62	1
4610521400	0,52	1,40	0,73	1
4610521600	0,52	1,60	0,83	1
4610521800	0,52	1,80	0,94	1
4610522000	0,52	2,00	1,04	1
4610560600	0,56	0,60	0,34	1
4610560800	0,56	0,80	0,45	1
4610561000	0,56	1,00	0,56	1
4610561200	0,56	1,20	0,67	1
4610561400	0,56	1,40	0,78	1
4610561600	0,56	1,60	0,90	1
4610561800	0,56	1,80	1,01	1
4610562000	0,56	2,00	1,12	1
4610600600	0,60	0,60	0,36	1
4610600800	0,60	0,80	0,48	1
4610601000	0,60	1,00	0,60	1
4610601200	0,60	1,20	0,72	1
4610601400	0,60	1,40	0,84	1
4610601600	0,60	1,60	0,96	1
4610601800	0,60	1,80	1,08	1
4610602000	0,60	2,00	1,20	1

aquatherm heating and cooling grid

one-sided welding connection, left / right
Connection type 45

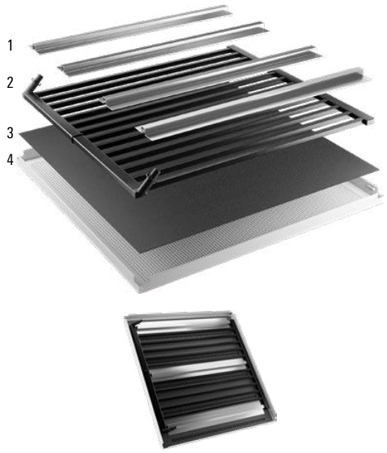
Article no.	width [m]	length [m]	area [m²]	PU
4510240600	0,24	0,60	0,14	1
4510240800	0,24	0,80	0,19	1
4510241000	0,24	1,00	0,24	1
4510241200	0,24	1,20	0,29	1
4510241400	0,24	1,40	0,34	1
4510241600	0,24	1,60	0,38	1
4510241800	0,24	1,80	0,43	1
4510242000	0,24	2,00	0,48	1
4510280600	0,28	0,60	0,17	1
4510280800	0,28	0,80	0,22	1
4510281000	0,28	1,00	0,28	1
4510281200	0,28	1,20	0,34	1
4510281400	0,28	1,40	0,39	1
4510281600	0,28	1,60	0,45	1
4510281800	0,28	1,80	0,50	1
4510282000	0,28	2,00	0,56	1
4510320600	0,32	0,60	0,19	1
4510320800	0,32	0,80	0,26	1
4510321000	0,32	1,00	0,32	1
4510321200	0,32	1,20	0,38	1
4510321400	0,32	1,40	0,45	1
4510321600	0,32	1,60	0,51	1
4510321800	0,32	1,80	0,58	1
4510322000	0,32	2,00	0,64	1
4510360600	0,36	0,60	0,22	1
4510360800	0,36	0,80	0,29	1
4510361000	0,36	1,00	0,36	1
4510361200	0,36	1,20	0,43	1
4510361400	0,36	1,40	0,50	1
4510361600	0,36	1,60	0,58	1
4510361800	0,36	1,80	0,65	1
4510362000	0,36	2,00	0,72	1
4510400600	0,40	0,60	0,24	1
4510400800	0,40	0,80	0,32	1
4510401000	0,40	1,00	0,40	1
4510401200	0,40	1,20	0,48	1
4510401400	0,40	1,40	0,56	1
4510401600	0,40	1,60	0,64	1
4510401800	0,40	1,80	0,72	1
4510402000	0,40	2,00	0,80	1
4510480600	0,48	0,60	0,29	1
4510480800	0,48	0,80	0,38	1
4510481000	0,48	1,00	0,48	1
4510481200	0,48	1,20	0,58	1

Continued on the next page ...

aquatherm heating and cooling grid

one-sided welding connection, left / right
Connection type 45

Article no.	width [m]	length [m]	area [m²]	PU
4510481400	0,48	1,40	0,67	1
4510481600	0,48	1,60	0,77	1
4510481800	0,48	1,80	0,86	1
4510482000	0,48	2,00	0,96	1
4510520600	0,52	0,60	0,31	1
4510520800	0,52	0,80	0,42	1
4510521000	0,52	1,00	0,52	1
4510521200	0,52	1,20	0,62	1
4510521400	0,52	1,40	0,73	1
4510521600	0,52	1,60	0,83	1
4510521800	0,52	1,80	0,94	1
4510522000	0,52	2,00	1,04	1
4510560600	0,56	0,60	0,34	1
4510560800	0,56	0,80	0,45	1
4510561000	0,56	1,00	0,56	1
4510561200	0,56	1,20	0,67	1
4510561400	0,56	1,40	0,78	1
4510561600	0,56	1,60	0,90	1
4510561800	0,56	1,80	1,01	1
4510562000	0,56	2,00	1,12	1
4510600600	0,60	0,60	0,36	1
4510600800	0,60	0,80	0,48	1
4510601000	0,60	1,00	0,60	1
4510601200	0,60	1,20	0,72	1
4510601400	0,60	1,40	0,84	1
4510601600	0,60	1,60	0,96	1
4510601800	0,60	1,80	1,08	1
4510602000	0,60	2,00	1,20	1



1. Heat conducting plates
2. Heating and cooling grid
3. Acoustic fleece
4. Metal cassette

aquatherm black High-performance module WLT (one-sided)

for metal ceiling systems with one-sided push-fit conncetion 45° left / right

Article no.	Register length [m]	Module width [m]	Module length [m]	area [m²]	PU
Register width: 0,24 m					
4320240600	0,60	0,265	0,60	0,16	1
4320240800	0,80	0,265	0,80	0,21	1
4320241000	1,00	0,265	1,00	0,27	1
4320241200	1,20	0,265	1,20	0,32	1
4320241400	1,40	0,265	1,40	0,37	1
4320241600	1,60	0,265	1,60	0,42	1
4320241800	1,80	0,265	1,80	0,48	1
4320242000	2,00	0,265	2,00	0,53	1
Register width: 0,28 m					
4320280600	0,60	0,305	0,60	0,18	1
4320280800	0,80	0,305	0,80	0,24	1
4320281000	1,00	0,305	1,00	0,31	1
4320281200	1,20	0,305	1,20	0,37	1
4320281400	1,40	0,305	1,40	0,43	1
4320281600	1,60	0,305	1,60	0,49	1
4320281800	1,80	0,305	1,80	0,55	1
4320282000	2,00	0,305	2,00	0,61	1
Register width: 0,32 m					
4320320600	0,60	0,345	0,60	0,21	1
4320320800	0,80	0,345	0,80	0,28	1
4320321000	1,00	0,345	1,00	0,35	1
4320321200	1,20	0,345	1,20	0,41	1
4320321400	1,40	0,345	1,40	0,48	1
4320321600	1,60	0,345	1,60	0,55	1
4320321800	1,80	0,345	1,80	0,62	1
4320322000	2,00	0,345	2,00	0,69	1
Register width: 0,36 m					
4320360600	0,60	0,385	0,60	0,23	1
4320360800	0,80	0,385	0,80	0,31	1
4320361000	1,00	0,385	1,00	0,39	1
4320361200	1,20	0,385	1,20	0,46	1
4320361400	1,40	0,385	1,40	0,54	1
4320361600	1,60	0,385	1,60	0,62	1
4320361800	1,80	0,385	1,80	0,69	1
4320362000	2,00	0,385	2,00	0,77	1
Register width: 0,40 m					
4320400600	0,60	0,425	0,60	0,26	1
4320400800	0,80	0,425	0,80	0,34	1
4320401000	1,00	0,425	1,00	0,43	1
4320401200	1,20	0,425	1,20	0,51	1
4320401400	1,40	0,425	1,40	0,60	1
4320401600	1,60	0,425	1,60	0,68	1
4320401800	1,80	0,425	1,80	0,77	1

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aquatherm black High-performance module WLT (one-sided)

(Continuing) for metal ceiling systems with one-sided push-fit conncetion 45° left / right

Article no.	Register length [m]	Module width [m]	Module length [m]	area [m²]	PU
4320402000	2,00	0,425	2,00	0,85	1
Register width: 0,48 m					
4320480600	0,60	0,505	0,60	0,30	1
4320480800	0,80	0,505	0,80	0,40	1
4320481000	1,00	0,505	1,00	0,51	1
4320481200	1,20	0,505	1,20	0,61	1
4320481400	1,40	0,505	1,40	0,71	1
4320481600	1,60	0,505	1,60	0,81	1
4320481800	1,80	0,505	1,80	0,91	1
4320482000	2,00	0,505	2,00	1,01	1
Register width: 0,52 m					
4320520600	0,60	0,545	0,60	0,33	1
4320520800	0,80	0,545	0,80	0,44	1
4320521000	1,00	0,545	1,00	0,55	1
4320521200	1,20	0,545	1,20	0,65	1
4320521400	1,40	0,545	1,40	0,76	1
4320521600	1,60	0,545	1,60	0,87	1
4320521800	1,80	0,545	1,80	0,98	1
4320522000	2,00	0,545	2,00	1,09	1
Register width: 0,56 m					
4320560600	0,60	0,585	0,60	0,35	1
4320560800	0,80	0,585	0,80	0,47	1
4320561000	1,00	0,585	1,00	0,59	1
4320561200	1,20	0,585	1,20	0,70	1
4320561400	1,40	0,585	1,40	0,82	1
4320561600	1,60	0,585	1,60	0,94	1
4320561800	1,80	0,585	1,80	1,05	1
4320562000	2,00	0,585	2,00	1,17	1
Register width: 0,60 m					
4320600600	0,60	0,625	0,60	0,38	1
4320600800	0,80	0,625	0,80	0,50	1
4320601000	1,00	0,625	1,00	0,63	1
4320601200	1,20	0,625	1,20	0,75	1
4320601400	1,40	0,625	1,40	0,88	1
4320601600	1,60	0,625	1,60	1,00	1
4320601800	1,80	0,625	1,80	1,13	1
4320602000	2,00	0,625	2,00	1,25	1
Register width: 0,68 m					
4320680600	0,60	0,705	0,60	0,42	1
4320680800	0,80	0,705	0,80	0,56	1
4320681000	1,00	0,705	1,00	0,71	1
4320681200	1,20	0,705	1,20	0,85	1
4320681400	1,40	0,705	1,40	0,99	1
4320681600	1,60	0,705	1,60	1,13	1

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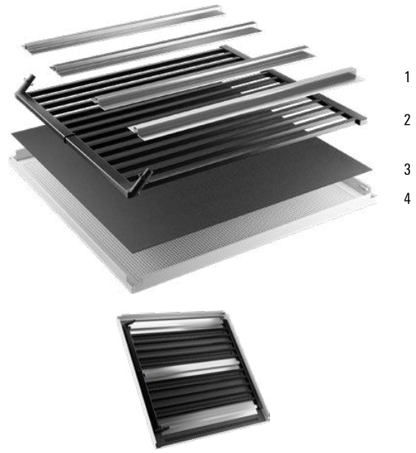
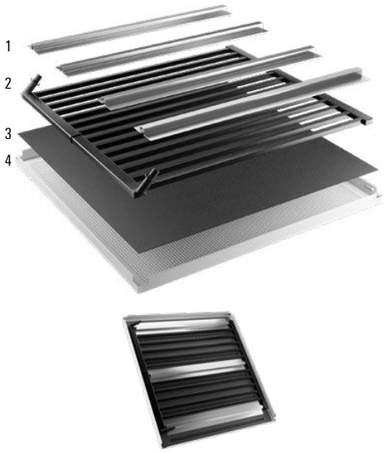


1. Heat conducting plates
2. Heating and cooling grid
3. Acoustic fleece
4. Metal cassette



1. Heat conducting plates
2. Heating and cooling grid
3. Acoustic fleece
4. Metal cassette

aquatherm black High-performance module WLT (one-sided)

for metal ceiling systems with one-sided 45° push-fit connection

Article no.	Register length [m]	Module width [m]	Module length [m]	area [m²]	PU
4320681800	**1,80**	**0,705**	**1,80**	**1,27**	**1**
4320682000	**2,00**	**0,705**	**2,00**	**1,41**	**1**
Register width: 0,80 m					
4320800600	**0,60**	**0,825**	**0,60**	**0,50**	**1**
4320800800	**0,80**	**0,825**	**0,80**	**0,66**	**1**
4320801000	**1,00**	**0,825**	**1,00**	**0,83**	**1**
4320801200	**1,20**	**0,825**	**1,20**	**0,99**	**1**
4320801400	**1,40**	**0,825**	**1,40**	**1,16**	**1**
4320801600	**1,60**	**0,825**	**1,60**	**1,32**	**1**
4320801800	**1,80**	**0,825**	**1,80**	**1,49**	**1**
4320802000	**2,00**	**0,825**	**2,00**	**1,65**	**1**
Register width: 1,0 m					
4321000600	**0,60**	**1,025**	**0,60**	**0,62**	**1**
4321000800	**0,80**	**1,025**	**0,80**	**0,82**	**1**
4321001000	**1,00**	**1,025**	**1,00**	**1,03**	**1**
4321001200	**1,20**	**1,025**	**1,20**	**1,23**	**1**
4321001400	**1,40**	**1,025**	**1,40**	**1,44**	**1**
4321001600	**1,60**	**1,025**	**1,60**	**1,64**	**1**
4321001800	**1,80**	**1,025**	**1,80**	**1,85**	**1**
4321002000	**2,00**	**1,025**	**2,00**	**2,05**	**1**

aquatherm black High-performance module WLT (alternating)

for metal ceiling systems with alternating push-fit conncetion 45°

Article no.	Register length [m]	Module width [m]	Module length [m]	area [m²]	PU
Register width: 0,24 m					
4420240600	**0,60**	**0,265**	**0,60**	**0,16**	**1**
4420240800	**0,80**	**0,265**	**0,80**	**0,21**	**1**
4420241000	**1,00**	**0,265**	**1,00**	**0,27**	**1**
4420241200	**1,20**	**0,265**	**1,20**	**0,32**	**1**
4420241400	**1,40**	**0,265**	**1,40**	**0,37**	**1**
4420241600	**1,60**	**0,265**	**1,60**	**0,42**	**1**
4420241800	**1,80**	**0,265**	**1,80**	**0,48**	**1**
4420242000	**2,00**	**0,265**	**2,00**	**0,53**	**1**
Register width: 0,28 m					
4420280600	**0,60**	**0,305**	**0,60**	**0,18**	**1**
4420280800	**0,80**	**0,305**	**0,80**	**0,24**	**1**
4420281000	**1,00**	**0,305**	**1,00**	**0,31**	**1**
4420281200	**1,20**	**0,305**	**1,20**	**0,37**	**1**
4420281400	**1,40**	**0,305**	**1,40**	**0,43**	**1**
4420281600	**1,60**	**0,305**	**1,60**	**0,49**	**1**
4420281800	**1,80**	**0,305**	**1,80**	**0,55**	**1**
4420282000	**2,00**	**0,305**	**2,00**	**0,61**	**1**
Register width: 0,32 m					
4420320600	**0,60**	**0,345**	**0,60**	**0,21**	**1**
4420320800	**0,80**	**0,345**	**0,80**	**0,28**	**1**
4420321000	**1,00**	**0,345**	**1,00**	**0,35**	**1**
4420321200	**1,20**	**0,345**	**1,20**	**0,41**	**1**
4420321400	**1,40**	**0,345**	**1,40**	**0,48**	**1**
4420321600	**1,60**	**0,345**	**1,60**	**0,55**	**1**
4420321800	**1,80**	**0,345**	**1,80**	**0,62**	**1**
4420322000	**2,00**	**0,345**	**2,00**	**0,69**	**1**
Register width: 0,36 m					
4420360600	**0,60**	**0,385**	**0,60**	**0,23**	**1**
4420360800	**0,80**	**0,385**	**0,80**	**0,31**	**1**
4420361000	**1,00**	**0,385**	**1,00**	**0,39**	**1**
4420361200	**1,20**	**0,385**	**1,20**	**0,46**	**1**
4420361400	**1,40**	**0,385**	**1,40**	**0,54**	**1**
4420361600	**1,60**	**0,385**	**1,60**	**0,62**	**1**
4420361800	**1,80**	**0,385**	**1,80**	**0,69**	**1**
4420362000	**2,00**	**0,385**	**2,00**	**0,77**	**1**

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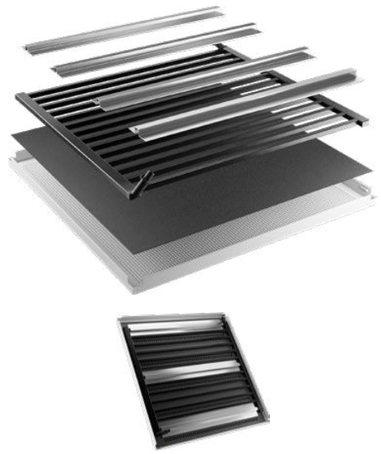
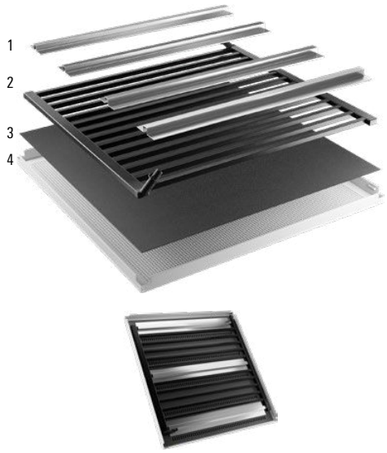


1. Heat conducting plates
2. Heating and cooling grid
3. Acoustic fleece
4. Metal cassette



1. Heat conducting plates
2. Heating and cooling grid
3. Acoustic fleece
4. Metal cassette

aquatherm black High-performance module WLT (alternating)

for metal ceiling systems with alternating push-fit conncetion 45°

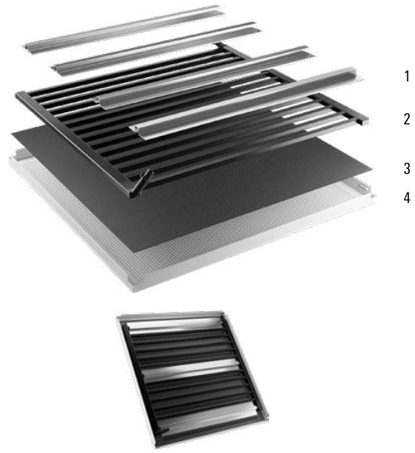
Article no.	Register length [m]	Module width [m]	Module length [m]	area [m²]	PU
Register width: 0,40 m					
4420400600	0,60	0,425	0,60	0,26	1
4420400800	0,80	0,425	0,80	0,34	1
4420401000	1,00	0,425	1,00	0,43	1
4420401200	1,20	0,425	1,20	0,51	1
4420401400	1,40	0,425	1,40	0,60	1
4420401600	1,60	0,425	1,60	0,68	1
4420401800	1,80	0,425	1,80	0,77	1
4420402000	2,00	0,425	2,00	0,85	1
Register width: 0,48 m					
4420480600	0,60	0,505	0,60	0,30	1
4420480800	0,80	0,505	0,80	0,40	1
4420481000	1,00	0,505	1,00	0,51	1
4420481200	1,20	0,505	1,20	0,61	1
4420481400	1,40	0,505	1,40	0,71	1
4420481600	1,60	0,505	1,60	0,81	1
4420481800	1,80	0,505	1,80	0,91	1
4420482000	2,00	0,505	2,00	1,01	1
Register width: 0,52 m					
4420520600	0,60	0,545	0,60	0,33	1
4420520800	0,80	0,545	0,80	0,44	1
4420521000	1,00	0,545	1,00	0,55	1
4420521200	1,20	0,545	1,20	0,65	1
4420521400	1,40	0,545	1,40	0,76	1
4420521600	1,60	0,545	1,60	0,87	1
4420521800	1,80	0,545	1,80	0,98	1
4420522000	2,00	0,545	2,00	1,09	1
Register width: 0,56 m					
4420560600	0,60	0,585	0,60	0,35	1
4420560800	0,80	0,585	0,80	0,47	1
4420561000	1,00	0,585	1,00	0,59	1
4420561200	1,20	0,585	1,20	0,70	1
4420561400	1,40	0,585	1,40	0,82	1
4420561600	1,60	0,585	1,60	0,94	1
4420561800	1,80	0,585	1,80	1,05	1
4420562000	2,00	0,585	2,00	1,17	1
Register width: 0,60 m					
4420600600	0,60	0,625	0,60	0,38	1
4420600800	0,80	0,625	0,80	0,50	1
4420601000	1,00	0,625	1,00	0,63	1
4420601200	1,20	0,625	1,20	0,75	1
4420601400	1,40	0,625	1,40	0,88	1
4420601600	1,60	0,625	1,60	1,00	1
4420601800	1,80	0,625	1,80	1,13	1

Continued on the next page ...

aquatherm black High-performance module WLT (alternating)

(Continued) for metal ceiling systems with alternating push-fit conncetion 45°

Article no.	Register length [m]	Module width [m]	Module length [m]	area [m²]	PU
4420602000	2,00	0,625	2,00	1,25	1
Register width: 0,68 m					
4421000600	0,60	0,705	0,60	0,42	1
4421000800	0,80	0,705	0,80	0,56	1
4421001000	1,00	0,705	1,00	0,71	1
4421001200	1,20	0,705	1,20	0,85	1
4421001400	1,40	0,705	1,40	0,99	1
4421001600	1,60	0,705	1,60	1,13	1
4421001800	1,80	0,705	1,80	1,27	1
4421002000	2,00	0,705	2,00	1,41	1
Register width: 0,80 m					
4420680600	0,60	0,825	0,60	0,50	1
4420680800	0,80	0,825	0,80	0,66	1
4420681000	1,00	0,825	1,00	0,83	1
4420681200	1,20	0,825	1,20	0,99	1
4420681400	1,40	0,825	1,40	1,16	1
4420681600	1,60	0,825	1,60	1,32	1
4420681800	1,80	0,825	1,80	1,49	1
4420682000	2,00	0,825	2,00	1,65	1
Register width: 1,0 m					
4420800600	0,60	1,025	0,60	0,62	1
4420800800	0,80	1,025	0,80	0,82	1
4420801000	1,00	1,025	1,00	1,03	1
4420801200	1,20	1,025	1,20	1,23	1
4420801400	1,40	1,025	1,40	1,44	1
4420801600	1,60	1,025	1,60	1,64	1
4420801800	1,80	1,025	1,80	1,85	1
4420802000	2,00	1,025	2,00	2,05	1

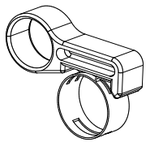


1. Heat conducting plates
2. Heating and cooling grid
3. Acoustic fleece
4. Metal cassette

aquatherm black fexible connection pipe

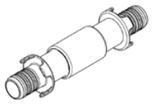
oxygen-tight, in a ring

Articel-No.	Dimension	PU
4110020001	20 mm	50



aquatherm black spring band clamp

Articel-No.	Dimension	PU
9600081074	20 mm	20



aquatherm black twin nipple

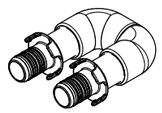
for flexible connection pipe

Articel-No.	Dimension	PU
4040016002	16 mm	5

aquatherm black angle 90°

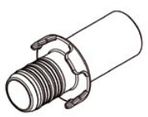
for flexible connection pipe

Articel-No.	Dimension	PU
4080016002	16 mm	10



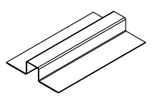
aquatherm black angle 180°

Articel-No.	Dimension	PU
4090016008	16 mm	10



aquatherm black transition piece

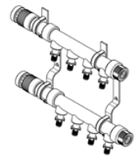
Articel-No.	Dimension	PU
4070016002	16 mm	10



aquatherm black heat conduction module

Articel-No.	Dimenson	PU
9700081284	Length: 10 cm	200

aquatherm black distributor



Article no.	Execution	PU
9700094602	Plastic 2-fold	1
9700094603	Plastic 3-fold	1
9700094604	Plastic 4-fold	1
9700094605	Plastic 5-fold	1
9700094606	Plastic 6-fold	1

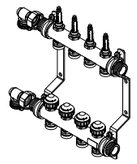
Plastic heating circuit manifold with the following properties:

- Flow and return manifolds arranged separately
- Flow indicator, can be shut off in the flow
- Regulating and shut-off valve with protective cap in the return
- Vent valves
- Bracket set with bracket and sound insulation insert
- End plugs

Compression fittings and ball valve set must be ordered separately

Accessories:
- Filling and draining taps

aquatherm black heating circuit manifold with flow indicator

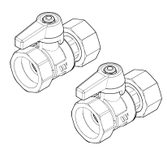


Article no.	Dimension	PU
9700094502	Stainless steel 2-gang DFM	1
9700094503	Stainless steel 3-fold DFM	1
9700094504	Stainless steel 4-fold DFM	1
9700094505	Stainless steel 5-way DFM	1
9700094506	Stainless steel 6-way DFM	1
9700094507	Stainless steel 7-way DFM	1
9700094508	Stainless steel 8-way DFM	1
9700094509	Stainless steel 9-way DFM	1
9700094510	Stainless steel 10-fold DFM	1
9700094511	Stainless steel 11-fold DFM	1
9700094512	Stainless steel 12-way DFM	1

Stainless steel heating circuit manifold with the following features:
- Flow and return manifold arranged separately
- Flow indicator, can be shut off in the flow
- Regulating and shut-off valve with protective cap in the return flow
- Filling and drain taps
- Vent valves
- Bracket set with bracket and sound insulation insert
- End plugs

Compression fittings and ball valve set must be ordered separately

aquatherm black ball valve set



Article no.	Dimension	PU
9700094513	1 1/4 "OD x 1 "IT	1

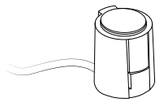
aquatherm black compression fitting

Material: brass

with Eurocone for heating circuit manifolds

Article no.	Dimension	PU
9600092106	**16 x 2.0 mm**	**2**
9600092108	**20 x 2.0 mm**	**10**

nickel-plated union nut

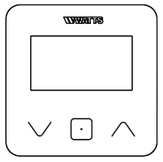


aquatherm black valve drive

for heating circuit manifolds

Article no.	Dimension	PU
9700094102	**230V**	**1**
9700094103	**24V**	**1**

when using the radio control distributor
(art. no. 94422), take the 230 V switching capacity into account!

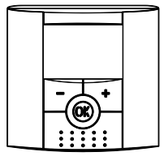


aquatherm black wireless room thermostat

with glass touchscreen

Article no.	PU
9700094418	**1**

- Heating (recommended) or heating/cooling
- Setting different temperature modes
- Frost protection function
- Pin code and theft protection
- Wall mounting or table-top installation
- "Window open" detection

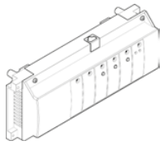


aquatherm black wireless room thermostat

digital, with LCD display, programmable

Article no.	PU
9700094419	**1**
9700094420	**1**

* With hygrostat for heating/cooling, in conjunction with external sensor

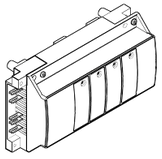


aquatherm black 6-way radio control distributor

Master, for 6 zones

Article no.	PU
9700094422	**1**

- Zone control of water-bearing panel heating/cooling systems
- Up to 10 zones (room sensors)
- Switching output for pump and heat generator via radio or cable (potential-free)
- For switching 230 V actuators



aquatherm black 4-way radio control distributor

Extension for 4 zones

Article no.	PU
9700094423	**1**

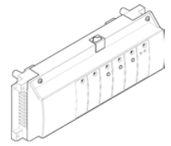
- For switching 230 V actuators

aquatherm black Management module

for heating/cooling

Article no.	PU
9700094421	**1**

- Control and management of water-bearing surface heating/cooling systems
 in conjunction with control distributor
- Signal for centralised heating/cooling switchover via potential-free switching output

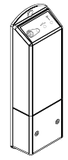


aquatherm black single radio receiver

for control of surface heating/cooling systems

Article no.	PU
9700094424	**1**

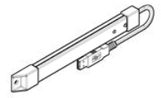
- Control of electric actuators, zone valves, radiators, etc.
- Control via radio room thermostat or directly via the central radio unit



aquatherm black Funk-Repeater

to extend the radio transmission range

Article no.	PU
9700094425	**1**



aquatherm black external sensor/floor sensor

3m Cable

Article no.	PU
9700094426	**1**

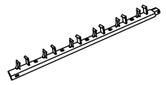
Use in conjunction with wireless room thermostat (with hygrostat) for dew point monitoring

Note: The external sensor must be connected to the cooling/heating surface
via cable as early as the shell installation stage!

aquatherm black mounting rail

for heating and cooling grids

Article no.	Dimension	PU
4090016007	**Length: 24 cm**	**10**



aquatherm black wall bracket

for heating and cooling grids

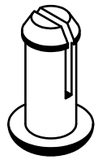
Article no.	PU
4090000001	**10**

aquatherm black fixing rail for dry wall

for heating and cooling grids

Article no.	PU
4090000002	**10**

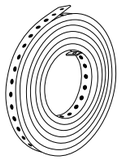
Please note, when ordering the fixing rail for drywall, that for each rail
two connection plugs with the Art. no. 4090000003 have to be ordered



aquatherm black connecting plug

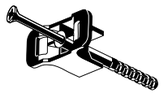
Article no.	PU
4090000003	1

In connection with Art. no. 4090000001 for fixing the heating-cooling grids in ceiling with metal substructure.
In connection with Art. no. 9700081291 (perforated tape) for fixing the heating-cooling grids in wall systems with metal substructure.



aquatherm black perforated tape

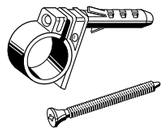
Article no.	Description	PU
9700081304	perforated tape	1



aquatherm black fixing clamp with wall plug

for wall and ceiling installation

Article no.	PU
4050000013	10



aquatherm black plastic pipe clamps

Colour: anthracite

Article no.	Dimension	PU
4090016006	pipe clamp 16 mm	50
4090020008	pipe clamp 20 mm	50

aquatherm black PP-grid connection pipe

with oxygen barrier

Article no.	Dimension	PU
4110016003	16 x 2,0 mm length 4 m	100
4110020006	20 x 2,0 mm length 2,5 m	50

aquatherm black PP-grid connection pipe

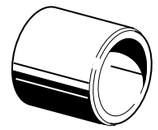
with oxygen barrier, in coil

Article no.	Dimension	PU
4110016403	16 x 2,0 mm	100
4110020306	20 x 2,0 mm	100

aquatherm black socket

for heating and cooling grids

Article no.	Dimension	PU
4040016000	16 mm	10



aquatherm black elbow 90°

for heating and cooling grids

Article no.	Dimension	PU
4080016000	16 mm	10

aquatherm black elbow 90° male/female

Article no.	Dimension	PU
4080016001	16 mm	10

aquatherm black end cap

for heating and cooling grids

Article no.	Dimension	PU
4020016000	end cap 16 mm	10

aquatherm black distance piece

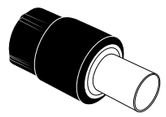
for prefabricated ceilings

Article no.	PU
4090000004	50

aquatherm black transition adapter

e.g. for connecting existing metal pipes

Article no.	Dimension	PU
4070016000	16 mm x 15 mm with press connection	10



aquatherm black angle bracket

for Flexible connecting pipe

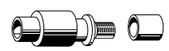
Article no.	Dimension	PU
4070016001	16 mm	10

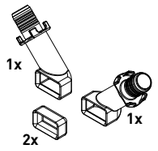
* only available as a spare part

aquatherm black transition adapter

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

Article no.	Dimension	PU
4050016012	orange 16 mm	10

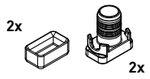




aquatherm black connection set

for connection 46

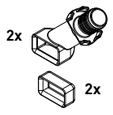
Article no.	PU
9700081118	1



aquatherm black connection set

for connection 44

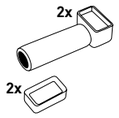
Article no.	PU
9700081117	1



aquatherm black connection set

for connection 43

Article no.	PU
9700081116	1

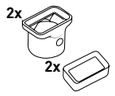


aquatherm black connection set

for connection 62 + 59 +52 + 51

2x end cap, 2x 90°-push-fit connection

Article no.	PU
9700081112	1



aquatherm black connection set

for connection type 64 + 45

2x end cap, 2x welding socket

Article no.	PU
9700081114	1

aquatherm black connection set

for connection 50 order 2x set + (65)

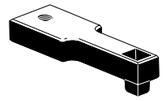
2x end cap, 1x welding socket, 1x welding spigot

Article no.	PU
9700081115	1

aquatherm black welding tool

Article no.	Dimension	PU
9800050285	12 x 12mm	1

for sealing plug Art. no. 4090012005



aquatherm black welding tool

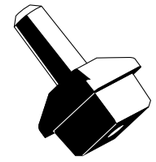
Article no.	Dimension	PU
9800050283	14 x 24mm	1

aquatherm black sealing plug

for wall and ceiling grids

Article no.	Dimension	PU
4090012005	12 mm	10

welding tool for sealing plug Art. no. 9800050285 see tools



aquatherm blue

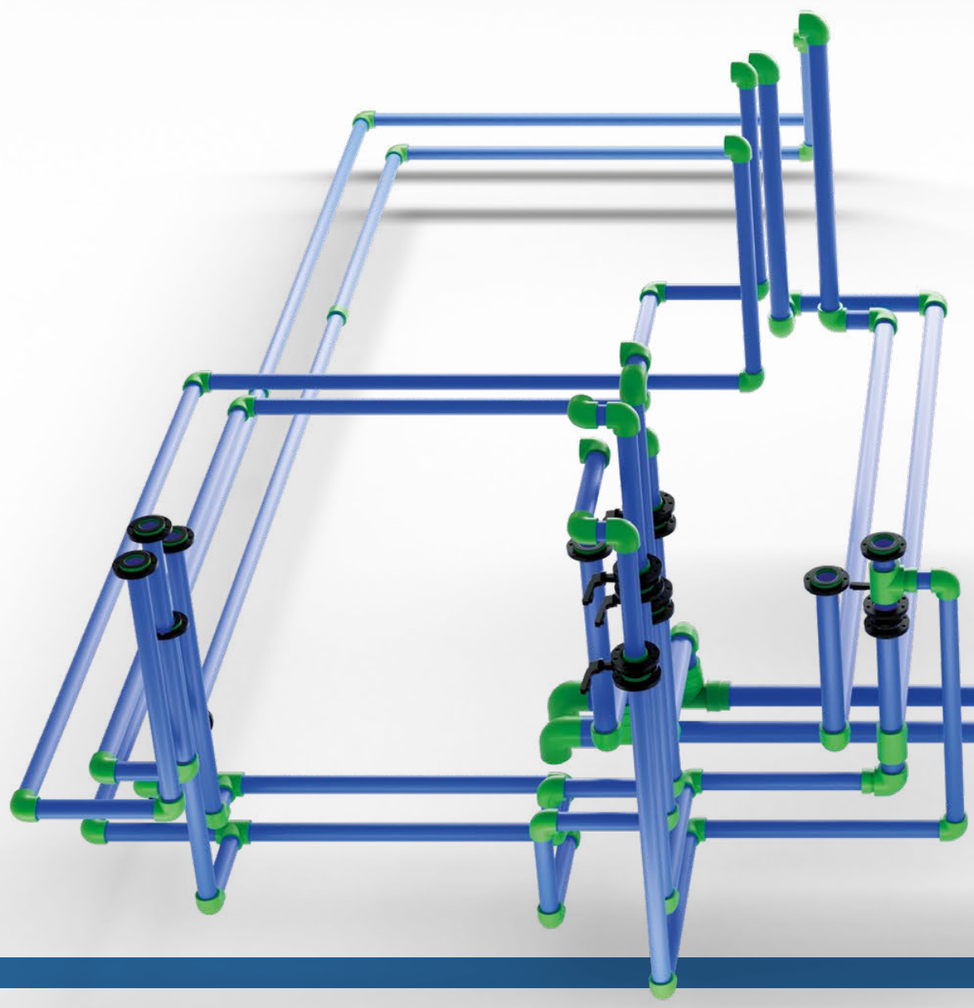
Pipe system made of polypropylene

aquatherm blue made of corrosion-resistant polypropylene is a specialist for the transport of cooling and heating media in closed systems and is suitable for various industrial applications.

The physical properties of the plastic are adapted to the special requirements of the heating and cooling sector. It is characterised by its high temperature and pressure resistance. In addition, the thermal fusion welding method creates a fully homogeneous and materially cohesive unit ensuring maximum safety and service life.

The system contains – in combination with the aquatherm green fittings – all components for the pipe installation of air conditioning and heating systems as well as for the plant engineering.

Application:

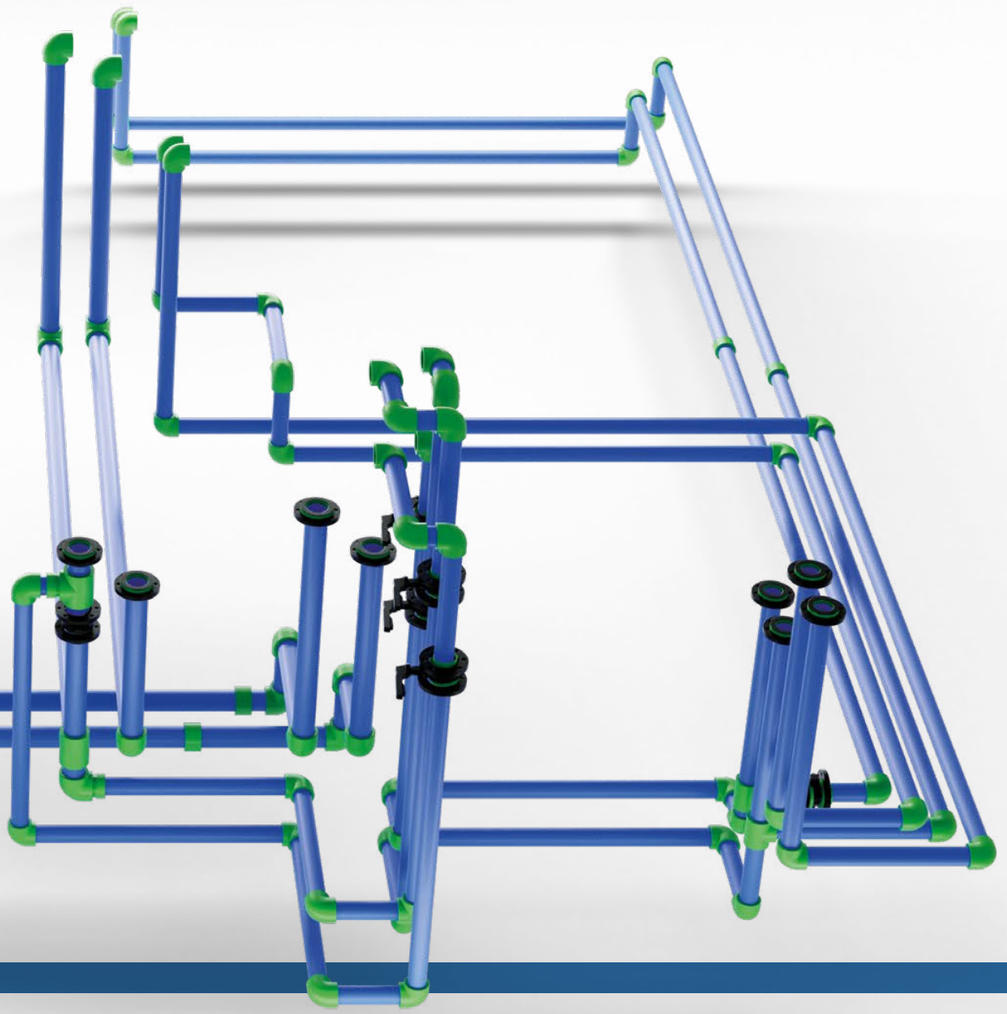


For heating and cooling and various industrial applications

	20	25	32	40	50	63	75	90	110	125	160	200	250	315	355	400	450	500	630
SDR 7.4 MF	O	O	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·
SDR 7.4 MF UV	O	O	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·
SDR 7.4 MF OT	O	O	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·
SDR 9 MF RP	·	·	O	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·
SDR 9 MF RP UV	·	·	O	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·
SDR 9 MF RP OT	·	·	O	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·
SDR 9 MF RP ENERGY	·	·	O	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·
SDR 9 MF RP OT ENERGY	·	·	O	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·
SDR 11 S	O	O	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·
SDR 11 MF RP	·	·	·	O	O	O	O	O	O	O	O	O	O	O	O	O	O	·	·
SDR 11 MF RP UV	·	·	·	O	O	O	O	O	O	O	O	O	O	O	O	O	O	·	·
SDR 11 MF RP OT	·	·	·	O	O	O	O	O	O	O	O	O	O	·	·	·	·	·	·
SDR 11 MF RP ENERGY	·	·	·	O	O	O	O	O	O	O	O	O	O	O	O	·	·	·	·
SDR 11 MF RP OT ENERGY	·	·	·	O	O	O	O	O	O	O	O	O	O	·	·	·	·	·	·
SDR 17.6 MF RP	·	·	·	·	·	·	·	·	·	O	O	O	O	O	O	O	O	O	O
SDR 17.6 MF RP UV	·	·	·	·	·	·	·	·	·	O	O	O	O	O	O	O	O	O	O
SDR 17.6 MF RP ENERGY	·	·	·	·	·	·	·	·	·	O	O	O	O	O	O	·	·	·	·

Legend table abbreviations:

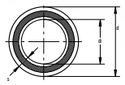
d	diameter in mm
D	diameter in mm
s	wall thickness in mm
di	internal diameter in mm
l/m	water content in litres/metre
kg/m	weight data in kg per metre
DN	diameter nominal
PU	packing unit in metre
SDR	standard dimension ratio
lengths	units in mm unless otherwise specified



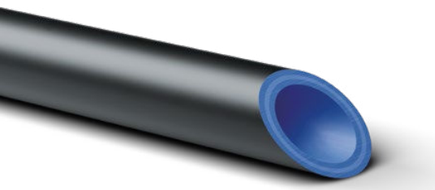
aquatherm blue SDR 7.4 MF

MF = multi-layer, fibre-reinforced
socket welding

Material: fusiolen® PP-R
Pipe series: SDR 7.4 / S 3.2
Standards: SKZ HR 3.28, ASTM F 2389, CSA B 137.11,ISO 21003
Colour: blue
Packing unit: 4 m straight lengths



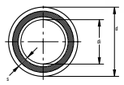
Article no.	d	s	di	l/m	kg/m	DN	PU [m]
2012020006	20	2.8	14.4	0.163	0.157	15	100
2012025008	25	3.5	18.0	0.254	0.244	20	100



aquatherm blue SDR 7.4 MF UV

MF = multi-layer, fibre-reinforced
UV = UV-resistant
socket welding

Material: fusiolen® PP-R
Pipe series: SDR 7.4 / S 3.2
Standards: SKZ HR 3.28, ASTM F 2389, CSA B 137.11,ISO 21003
Colour: outside: black / inside: blue
Packing unit: 4 m straight lengths

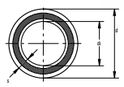


Article no.	d	s	di	l/m	kg/m	DN	PU [m]
2212020006	20	2.8	14.4	0.163	0.210	15	100
2212025008	25	3.5	18.0	0.254	0.314	20	100

aquatherm blue SDR 7.4 MF OT

MF = multi-layer, fibre-reinforced
OT = oxygen-tight
socket welding

Material: fusiolen® PP-R
Pipe series: SDR 7.4 / S 3.2
Standards: DIN 8077 / 78, DIN EN ISO 15874, ASTM F 2389, CSA B 137.11, ISO 21003
Colour: blue
Packing unit: 4 m straight lengths

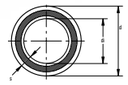


Article no.	d	s	di	l/m	kg/m	DN	PU [m]
2112020006	20	2.8	14.4	0.163	0.211	15	100
2112025008	25	3.5	18.0	0.254	0.316	20	100

aquatherm blue SDR 9 MF RP

MF = multi-layer, fibre-reinforced
RP = raised pressure resistance
socket welding

Material: fusiolen® PP-R / PP-RCT
Pipe series: SDR 9 / S 4
Standards: SKZ HR 3.28, ASTM F 2389, CSA B 137.11,ISO 21003
Colour: blue
Packing unit: 4 m straight lengths

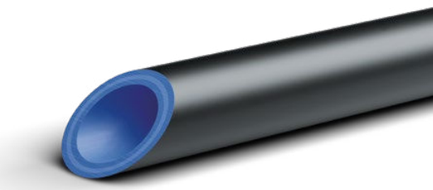


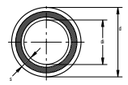
Article no.	d	s	di	l/m	kg/m	DN	PU [m]
2013032010	32	3.6	24.8	0.539	0.334	25	40

aquatherm blue SDR 9 MF RP UV

MF = multi-layer, fibre-reinforced
RP = raised pressure resistance
UV = UV-resistant
socket welding

Material: fusiolen® PP-R / PP-RCT
Pipe series: SDR 9 / S 4
Standards: SKZ HR 3.28, ASTM F 2389, CSA B 137.11,ISO 21003
Colour: outside: black / inside: blue
Packing unit: 4 m straight lengths



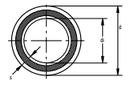


Article no.	d	s	di	l/m	kg/m	DN	PU [m]
2213032010	32	3.6	24.8	0.483	0.435	25	40

aquatherm blue SDR 9 MF RP OT

MF = multi-layer, fibre-reinforced
RP = raised pressure resistance
OT = oxygen-tight
socket welding

Material: fusiolen® PP-R / PP-RCT
Pipe series: SDR 9 / S 4
Standards: DIN 8077 / 78, DIN EN ISO 15874, ASTM F 2389, CSA B 137.11, ISO 21003
Colour: blue
Packing unit: 4 m straight lengths

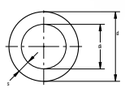


Article no.	d	s	di	l/m	kg/m	DN	PU [m]
2113032010	32	3.6	24.8	0.483	0.363	25	40

aquatherm blue SDR 11 S

S = single-layer
socket welding

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
Colour: blue
Packing unit: 4 m straight lengths



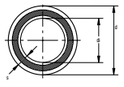
Article no.	d	s	di	l/m	kg/m	DN	PU [m]
2014020006	20	1.9	16.2	0.206	0.108	15	100
2014025008	25	2.3	20.4	0.327	0.165	20	100
2014020306 *	20	1.9	16.2	0.206	0.108	15	100
2014025308 *	25	2.3	20.4	0.327	0.165	20	100
2014032310 *	32	2.9	26.2	0.539	0.261	25	50

*Packing unit: in coils

aquatherm blue SDR 11 MF RP

MF = multi-layer, fibre-reinforced
RP = raised pressure resistance

Material: fusiolen® PP-R / PP-RCT
Pipe series: SDR 11 / S 5
Standards: SKZ HR 3.28, ASTM F 2389, CSA B 137.11,ISO 21003
Colour: blue
Packing unit: ø 20 – 125 mm straight lengths 4 m
ø 160 – 630 mm straight lengths 5.8 m



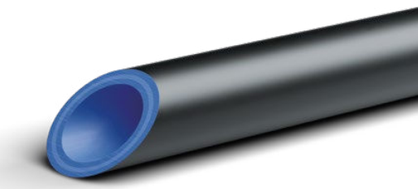
Article no.	d	s	di	l/m	kg/m	DN	PU [m]
socket welding							
2014040012	40	3.7	32.6	0.834	0.430	32	40
2014050014	50	4.6	40.8	1.307	0.651	40	20
2014063016	63	5.8	51.4	2.074	1.062	50	20
2014075018	75	6.8	61.4	2.959	1.494	65	20
2014090020	90	8.2	73.6	4.252	2.141	80	12
2014110022	110	10.0	90.0	6.359	3.239	-	8
2014125024	125	11.4	102.2	8.199	4.092	100	4
butt welding							
2014160026 *	160	14.6	130.8	13.430	6.710	125	5.8
2014200028 *	200	18.2	163.6	21.010	10.442	150	5.8
2014250030 *	250	22.7	204.6	32.861	16.579	200	5.8
2014315032 *	315	28.6	257.8	52.172	26.223	250	5.8
2014355034 *	355	32.2	290.6	66.290	33.276	300	5.8
2014400036 *	400	36.3	327.4	84.290	42.266	300	5.8
2014450038 *	450	40.9	368.2	106.470	53.566	400	5.8

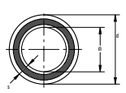
*5.8 m straight lengths

aquatherm blue SDR 11 MF RP UV

MF = multi-layer, fibre-reinforced
RP = raised pressure resistance
UV = UV-resistant

Material: fusiolen® PP-R / PP-RCT
Pipe series: SDR 11
Standards: SKZ HR 3.28, ASTM F 2389, CSA B 137.11,ISO 21003
Colour: outside: black / inside: blue
Packing unit: ø 20 – 125 mm straight lengths 4 m
ø 160 – 630 mm straight lengths 5.8 m





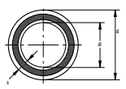
Article no.	d	s	di	l/m	kg/m	DN	PU [m]
socket welding							
2214040012	40	3.7	32.6	0.834	0.555	32	40
2214050014	50	4.6	40.8	1.307	0.827	40	20
2214063016	63	5.8	51.4	2.074	1.260	50	20
2214075018	75	6.8	61.4	2.959	1.712	65	20
2214090020	90	8.2	73.6	4.252	2.480	80	12
2214110022	110	10.0	90.0	6.359	3.693	-	8
2214125024	125	11.4	102.2	8.199	4.774	100	4
butt welding							
2214160026 *	160	14.6	130.8	13.430	7.181	125	5.8
2214200028 *	200	18.2	163.6	21.010	11.029	150	5.8
2214250030 *	250	22.7	204.6	32.861	17.312	200	5.8
2214315032 *	315	28.6	257.8	52.172	26.223	250	5.8
2214355034 *	355	32.2	290.6	66.292	34.315	300	5.8
2214400036 *	400	36.3	327.4	84.145	43.437	300	5.8
2214450038 *	450	40.9	368.2	106.423	54.883	400	5.8

*5.8 m straight lengths

aquatherm blue SDR 11 MF RP OT

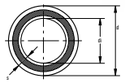
MF = multi-layer, fibre-reinforced
RP = raised pressure resistance
OT = oxygen-tight

Material: fusiolen® PP-R / PP-RCT
Pipe series: SDR 11/ S 5
Standards: DIN 8077 / 78, DIN EN ISO 15874, ASTM F 2389, CSA B 137.11, ISO 21003
Colour: blue
Packing unit: ø 20 – 125 mm straight lengths 4 m
ø 160 – 250 mm straight lengths 5,8 m



Article no.	d	s	di	l/m	kg/m	DN	PU [m]
socket welding							
2114040012	40	3.7	32.6	0.834	0.562	32	40
2114050014	50	4.6	40.8	1.307	0.695	40	20
2114063016	63	5.8	51.4	2.074	1.279	50	20
2114075018	75	6.8	61.4	2.959	1.739	65	20
2114090020	90	8.2	73.6	4.252	2.533	80	12
2114110022	110	10.0	90.0	6.359	3.752	-	8
2114125024	125	11.4	102.2	8.199	4.201	100	4
butt welding							
2114160026 *	160	14.6	130.8	13.430	6.847	125	5.8
2114200028 *	200	18.2	163.6	21.010	10.520	150	5.8
2114250030 *	250	22.7	204.6	32.861	16.226	200	5.8

*5.8 m straight lengths

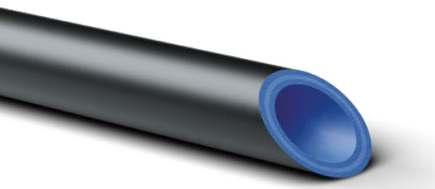


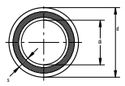
aquatherm blue SDR 17.6 MF RP

MF = multi-layer, fibre-reinforced
RP = raised pressure resistance
butt welding

Material: fusiolen® PP-RCT
Pipe series: SDR 7.4 / S 3.2
Standards: SKZ HR 3.28, ASTM F 2389, CSA B 137.11,ISO 21003
Colour: blue
Packing unit: 5.8 m straight lengths

Article no.	d	s	di	l/m	kg/m	DN	PU [m]
2017160026	160	9.1	141.8	15.792	4.390	150	5.8
2017200028	200	11.4	177.2	24.661	6.927	200	5.8
2017250030	250	14.2	221.6	38.568	10.636	250	5.8
2017315032	315	17.9	279.2	61.223	16.606	300	5.8
2017355034	355	20.1	314.8	77.832	21.589	350	5.8
2017400036	400	22.7	354.6	98.756	27.468	350	5.8
2017450038	450	25.5	399.0	125.036	34.716	400	5.8
2017500040	500	28.4	443.2	154.272	42.955	450	5.8
2017630042	630	35.7	558.6	245.070	68.044	500	5.8





aquatherm blue SDR 17.6 MF RP UV

MF = multi-layer, fibre-reinforced
RP = raised pressure resistance
UV = UV-resistant
butt welding

Material: fusiolen® PP-R / PP-RCT
Pipe series: SDR 17,6 / 8,3
Standards: SKZ HR 3.28, ASTM F 2389, CSA B 137.11, ISO 21003
Colour: outside: black / inside: blue
Packing unit: 5.8 m straight lengths

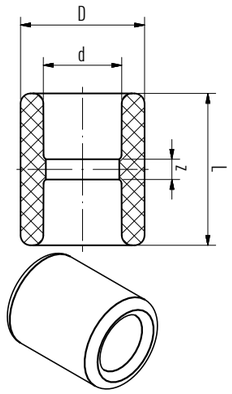
Article no.	d	s	di	l/m	kg/m	DN	PU [m]
2217160026	160	9.1	141.8	15.784	4.860	150	5.8
2217200028	200	11.4	177.2	24.649	7.514	200	5.8
2217250030	250	14.2	221.6	38.549	11.369	250	5.8
2217315032	315	17.9	279.2	61.193	17.529	300	5.8
2217355034	355	20.1	314.8	77.793	22.628	350	5.8
2217400036	400	22.7	354.6	98.707	28.639	350	5.8
2217450038	450	25.5	399.0	124.973	36.033	400	5.8
2217500040	500	28.4	443.2	154.195	44.418	450	5.8
2217630042	630	35.7	558.6	245.947	69.887	500	5.8

Socket

SDR 6 / 7.4 / 9 / 11 / 17.6

Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	D	L	z	kg	PU
1040020002	20	27.0	32.0	3.0	0.008	10
1040025003	25	34.0	35.0	3.0	0.013	10
1040032004	32	43.0	40.5	4.5	0.026	5
1040040005	40	52.0	47.5	6.5	0.044	5
1040050006	50	68.0	53.0	6.0	0.084	5
1040063007	63	84.0	60.5	5.5	0.139	1
1040075008	75	100.0	66.5	6.5	0.226	1
1040090009	90	120.0	72.5	6.5	0.343	1
1040110010	110	147.0	82.0	8.0	0.581	1
1040125011	125	167.0	92.0	12.0	0.845	1



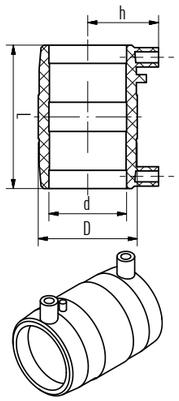
Electrofusion socket

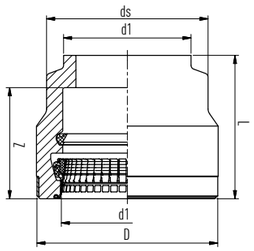
SDR 6 / 7.4 / 9 / 11 / 17.6
Electro-socket welding

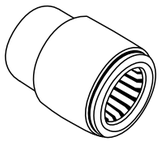
Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	D	L	h	kg	PU
1040020094	20	31.5	70.0	36.0	0.049	1
1040025100	25	36.5	78.0	38.5	0.057	1
1040032101	32	45.0	80.0	42.5	0.077	1
1040040102	40	54.0	92.0	47.0	0.103	1
1040050103	50	65.0	103.0	52.0	0.142	1
1040063104	63	81.5	118.0	58.0	0.239	1
1040075105	75	96.0	130.0	64.5	0.347	1
1040090106	90	113.5	145.0	72.0	0.501	1
1040110107	110	139.0	160.0	82.5	0.821	1
1040125108	125	156.0	172.0	90.0	1.097	1
1040160109 *	160	197.0	186.0	109.5	1.754	1
1040200110 *	200	243.0	210.0	134.0	3.625	1
1040250111 *	250	315.0	250.0	170.0	7.142	1

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





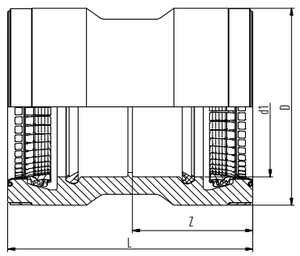


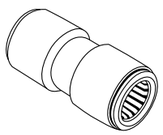
Push-fit adapter

Material: fusiolen® PP-RCT / EPDM
Standards: DIN EN ISO 15874
Colour: green

Article no.	d1	ds	D	L	z	kg	PU
SDR 11							
2054090000	90	112	152.0	170.0	140.0	1.200	1
2054110001	110	140	175.0	205.0	170.0	2.000	1
2054125002	125	161	190.0	210.0	172.0	2.300	1
2054160004	160	202	234.0	227.0	183.0	3.800	1
2054200006	200	250	285.0	285.0	231.0	6.500	1
2054250008	250	317	375.0	315.0	243.0	15.000	1
2054315010	315	400	450.0	355.0	275.0	24.000	1
2054355012	355	450	492.0	370.0	283.0	28.000	1
2054400014	400	500	540.0	390.0	300.0	34.000	1
2054450016	450	560	600.0	415.0	318.0	44.000	1
SDR 17.6							
2057125003	125	161	190.0	210.0	172.0	2.300	1
2057160005	160	202	234.0	227.0	183.0	3.800	1
2057200007	200	250	285.0	285.0	231.0	6.500	1
2057250009	250	295	355.0	315.0	243.0	11.500	1
2057315011	315	370	425.0	345.0	275.0	16.300	1
2057355013	355	415	470.0	360.0	283.0	20.000	1
2057400015	400	465	510.0	390.0	300.0	23.800	1
2057450017	450	520	565.0	400.0	318.0	27.800	1

Do not use for aquatherm blue MF RP OT
Fittings and connecting parts e.g. elbows (45°/90°), T-pieces, Red. T-pieces etc. on request





Push-fit coupling

SDR 11 / 17.6

Material: fusiolen® PP-RCT / EPDM
Standards: DIN EN ISO 15874
Colour: green

Article no.	d1	D	L	z	kg	PU
2054090020	90	152.0	285.0	140.0	2.300	1
2054110021	110	175.0	345.0	170.0	3.700	1
2054125022	125	190.0	350.0	172.0	4.300	1
2054160023	160	234.0	372.0	183.0	6.600	1
2054200024	200	285.0	470.0	231.0	11.000	1
2054250025	250	375.0	496.0	243.0	20.420	1
2054315026	315	450.0	560.0	275.0	40.200	1
2054355027	355	492.0	576.0	283.0	45.700	1
2054400028	400	540.0	610.0	300.0	54.800	1
2054450029	450	600.0	646.0	318.0	69.600	1

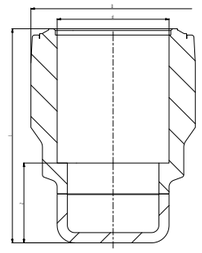
Do not use for aquatherm blue MF RP OT

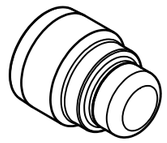
End cap with push-fit adapter

Material: fusiolen® PP-RCT / EPDM
Standards: DIN EN ISO 15874
Colour: green

Article no.	d	l	D	z	kg	PU
SDR 11						
2054090030	90	236.5	152.0	87.5	1.647	1
2054110031	110	269	175.0	90.0	2.771	1
2054125032	125	291	190.0	110.0	3.368	1
2054160033	160	306	235.0	114.0	4.431	1
2054200034	200	374	285.0	134.0	7.570	1
2054250035	250	405	375.0	162.0	16.989	1
2054315036	315	425	450.0	150.0	28.200	1
2054355037	355	450	492.0	167.0	34.410	1
2054400038	400	460	540.0	160.0	41.190	1
2054450039	450	495	600.0	177.0	54.500	1
SDR 17.6						
2057160040	160	306	235.0	114.0	4.479	1
2057200041	200	374	285.0	134.0	7.425	1
2057250042	250	405	355.0	162.0	12.805	1
2057315043	315	415	425.0	140.0	20.800	1
2057355044	355	430	470.0	147.0	25.540	1
2057400045	400	465	510.0	165.0	29.800	1
2057450046	450	470	565.0	152.0	36.320	1

Do not use for aquatherm blue MF RP OT



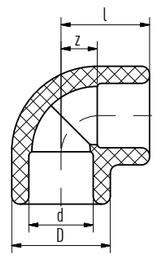


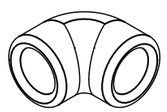
Elbow 90° socket welding

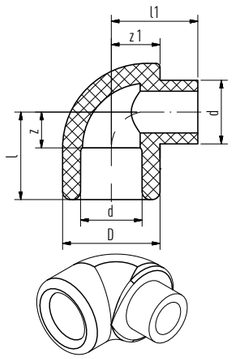
SDR 6 / 7.4 / 9 / 11 / 17.6

Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	D	z	kg	PU
1080020041	20	25.5	27.0	11.0	0.013	10
1080025042	25	29.5	34.0	13.5	0.023	10
1080032043	32	35.0	43.0	17.0	0.043	5
1080040044	40	41.5	52.0	21.0	0.077	5
1080050045	50	49.5	68.0	26.0	0.162	5
1080063046	63	60.0	84.0	32.5	0.293	1
1080075047	75	68.5	100.0	38.5	0.445	1
1080090048	90	79.0	120.0	46.0	0.729	1
1080110049	110	93.0	147.0	56.0	1.292	1
1080125050	125	116.5	167.0	76.5	2.004	1





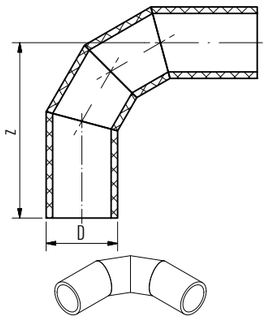


Elbow 90° female/male

socket welding — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	l1	D	z	z1	kg	PU
1080020061	20	25.5	25.5	27.0	11.0	13.5	0.032	10
1080025062	25	29.5	29.5	34.0	13.5	17.0	0.023	10
1080032063	32	35.0	39.0	43.0	17.0	21.5	0.048	5
1080040064	40	41.5	45.5	52.0	21.0	26.0	0.080	5



pipe segments

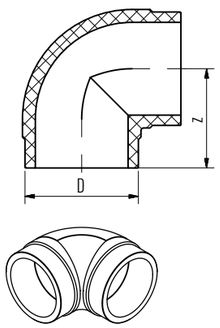
Elbow 90° butt welding

Material: fusiolen® PP-R / PP-RCT
Standards: DIN 16962, DIN EN ISO 15874
Colour: blue / green

Article no.	D	z	kg	PU
SDR 11				
1084160052 *	160.0	145.0	1.956	1
1084200054 *	200.0	209.0	4.575	1
1084250056 *	250.0	240.0	7.180	1
2084315028	315.0	773.0	37.300	1
2084355032	355.0	833.0	57.074	1
2084400036	400.0	900.0	74.500	1
2084450040	450.0	975.0	89.080	1
SDR 17.6				
2087160021 *	160.0	145.0	1.512	1
2087200023 *	200.0	209.0	3.640	1
2087250025 *	250.0	240.0	6.011	1
2087315029	315.0	773.0	24.000	1
2087355033	355.0	833.0	32.000	1
2087400037	400.0	900.0	42.549	1
2087450041	450.0	975.0	62.200	1
2087500043	500.0	1,100.0	91.000	1
2087630045	630.0	1,295.0	164.600	1

*Injection molded fitting

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

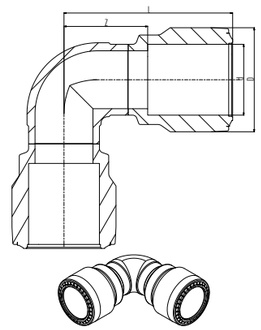
Elbow 90° with push-fit adapter

Fitting made of pipe segments

Material: fusiolen® PP-RCT / EPDM
Standards: DIN EN ISO 15874
Colour: green

Article no.	d	l	D	z	kg	PU
SDR 11						
2054090100 *	90	248	152.0	99.0	3.290	1
2054110101 *	110	297	175.0	118.0	4.907	1
2054125102 *	125	324.5	190.0	143.5	6.996	1
2054160103 *	160	381	235.0	189.0	9.556	1
2054200104 *	200	503	285.0	263.0	17.575	1
2054250105 *	250	555	375.0	312.0	37.180	1
2054315106	315	875	450.0	600.0	85.850	1
2054355107	355	940	492.0	658.0	105.000	1
2054400018	400	1020	540.0	720.0	130.800	1
2054450109	450	1104	600.0	786.0	177.500	1
SDR 17.6						
2057160090 *	160	381	235.0	189.0	9.111	1
2057200091 *	200	503	285.0	263.0	16.640	1
2057250092 *	250	555	355.0	312.0	29.011	1
2057315093	315	875	425.0	600.0	56.600	1
2057355094	355	940	470.0	658.0	72.000	1
2057400095	400	1020	510.0	720.0	90.150	1
2057450096	450	1104	565.0	786.0	117.800	1

*Injection molded fitting (green)
Do not use for aquatherm blue MF RP OT

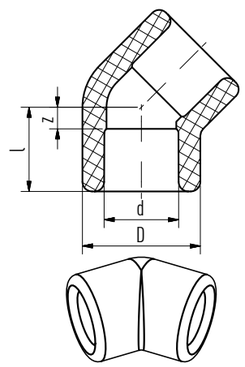


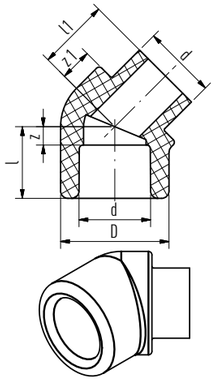
Elbow 45° socket welding

SDR 6 / 7.4 / 9 / 11 / 17.6

Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	D	z	kg	PU
1080020002	20	19.5	29.5	5.0	0.014	10
1080025003	25	22	34.0	6.0	0.018	10
1080032004	32	25	43.0	7.5	0.035	5
1080040005	40	30	52.0	9.5	0.053	5
1080050006	50	35	68.0	11.5	0.112	5
1080063007	63	41.5	84.0	14.0	0.227	1
1080075008	75	46.5	100.0	16.5	0.350	1
1080090009	90	52.5	120.0	19.5	0.568	1
1080110010	110	60.5	147.0	23.5	1.025	1
1080125011	125	67	167.0	27.0	1.329	1



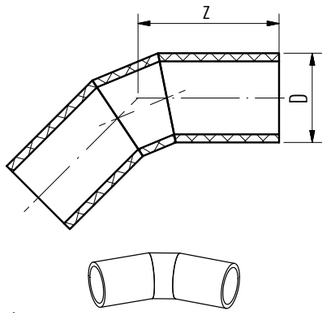


Elbow 45° female/male

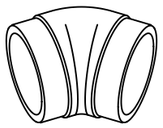
socket welding — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	l1	D	z	z1	kg	PU
1080020020	20	19.5	19.5	29.5	5.0	9.0	0.013	10
1080020021	25	22.0	22.0	34.0	6.0	8.5	0.017	10
1080032022	32	25.5	29.0	43.0	7.5	11.5	0.036	5
1080040023	40	30.0	33.0	52.0	9.5	13.5	0.057	5



pipe segments



injection molded fitting

Elbow 45° butt welding

pipe segments (**or injection molded fitting)

Material: fusiolen® PP-RCT
Standards: DIN 16962, DIN EN ISO 15874
Colour: blue / green

Article no.	D	z	kg	PU
SDR 11				
1084160013	160.0	95.0	1.371	1
1084200015	200.0	146.0	3.310	1
1084250017	250.0	182.0	6.218	1
2084315026 *	315.0	498.0	27.100	1
2084355030 *	355.0	520.0	38.158	1
2084400034 *	400.0	548.0	44.712	1
2084450038 *	450.0	580.0	60.260	1
SDR 17.6				
2087160020 **	160.0	95.0	1.080	1
2087200022 **	200.0	146.0	1.990	1
2087250024 **	250.0	182.0	3.875	1
2087315027 *	315.0	498.0	18.000	1
2087355031 *	355.0	520.0	22.058	1
2087400035 *	400.0	548.0	30.800	1
2087450039 *	450.0	580.0	39.123	1
2087500042 *	500.0	665.0	55.112	1
2087630044 *	630.0	741.0	97.148	1

*mechanically stabilised through a fibre mix integrated in the middle layer of the fusiolen® PP-RCT.
**Injection molded fitting (green)

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.

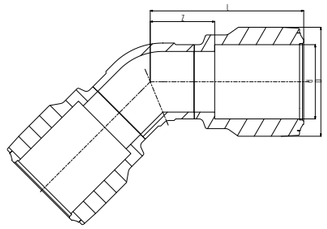
Elbow 45°with push-fit adapter

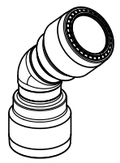
Fitting made of pipe segments

Material: fusiolen® PP-RCT / EPDM
Standards: DIN EN ISO 15874
Colour: green

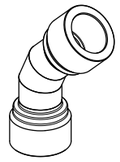
Article no.	d	l	D	z	kg	PU
SDR 11						
2054090070 *	90	221.5	152.0	72.5	5.419	1
2054110071 *	110	264.5	175.0	85.5	7.482	1
2054125072 *	125	276	190.0	95.0	6.321	1
2054160073 *	160	331	235.0	139.0	8.971	1
2054200074 *	200	440	285.0	200.0	16.310	1
2054250075 *	250	497	375.0	254.0	36.218	1
2054315076	315	607	450.0	332.0	75.300	1
2054355077	355	638	492.0	355.0	82.650	1
2054400078	400	675	540.0	375.0	112.900	1
2054450079	450	719	600.0	401.0	148.500	1
SDR 17.6						
2057160080 *	160	331	235.0	139.0	8.680	1
2057200081 *	200	440	285.0	200.0	14.990	1
2057250082 *	250	497	355.0	254.0	26.875	1
2057315083	315	597	425.0	322.0	50.600	1
2057355084	355	628	470.0	345.0	62.058	1
2057400085	400	675	510.0	285.0	78.400	1
2057450086	450	704	565.0	386.0	94.723	1

*Injection molded fitting (green)
Do not use for aquatherm blue MF RP OT





Injection molded fitting



Fitting made of pipe segments

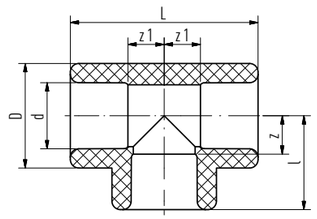
T-piece socket welding

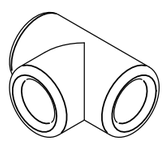
SDR 6 / 7.4 / 9 / 11 / 17.6

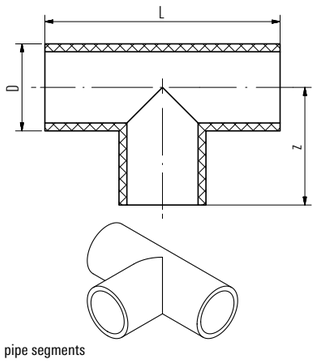
Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	D	L	z	z1	kg	PU
1060020016	20	25.5	27.0	51.0	11.0	11.0	0.017	10
1060025017	25	30.5	34.0	62.0	14.5	15.0	0.033	10
1060032018	32	33.5	43.0	70.0	15.5	17.0	0.054	5
1060040019	40	40.5	52.0	81.0	20.0	20.0	0.099	5
1060050020	50	49.5	68.0	99.0	26.0	26.0	0.177	5
1060063021	63	60.0	84.0	120.0	32.5	32.5	0.368	1
1060075022	75	68.5	100.0	137.0	38.5	38.5	0.541	1
1060090023	90	79.0	120.0	158.0	46.0	46.0	0.920	1
1060110024	110	93.0	147.0	186.0	56.0	56.0	1.598	1
1060125025	125	116.5	167.0	233.0	76.5	76.5	2.673	1

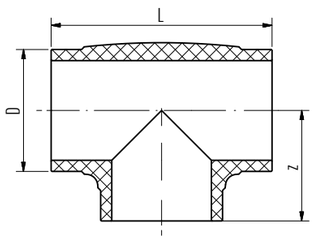
injection moulded fittings

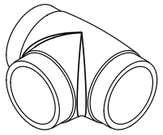






pipe segments





Injection molded fitting

T-piece butt welding

Fitting made of pipe segments

Material: fusiolen® PP-RCT
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	D	L	z	kg	PU
SDR 11					
1064160013 *	160,0	290,0	145,0	2,943	1
1064200015 *	200,0	410,0	205,0	6,099	1
1064250017 *	250,0	486,0	243,0	10,710	1
2064315001	315.0	920.0	460.0	36.674	1
2064355002	355.0	960.0	480.0	40.000	1
2064400003	400.0	1,000.0	500.0	62.100	1
2064450004	450.0	1,050.0	525.0	82.792	1
SDR 17.6					
2067160010 *	160.0	290.0	145.0	2.348	1
2067200011 *	200.0	410.0	205.0	4.500	1
2067250012 *	250.0	486.0	243.0	8.868	1
2067315013	315.0	920.0	460.0	19.800	1
2067355014	355.0	960.0	480.0	27.500	1
2067400015	400.0	1,000.0	500.0	40.395	1
2067450016	450.0	1,050.0	525.0	45.400	1
2067500017	500.0	1,200.0	600.0	75.726	1
2067630018	630.0	1,330.0	665.0	122.500	1

*Injection molded fitting

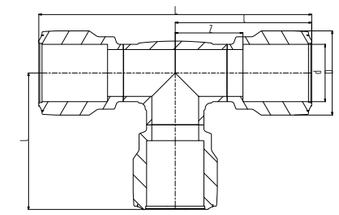
Please note! Electrofusion sockets can not be processed directly with injection molded fittings. When using electrofusion sockets either segment welded special fittings must be used or pipe pieces must be welded to the injection molded fittings.

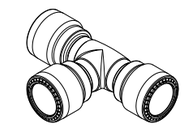
aquatherm T-piece with push-fit adapter

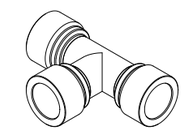
Material: fusiolen® PP-RCT / EPDM
Standards: DIN EN ISO 15874
Colour: green

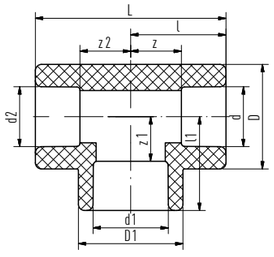
Article no.	d	l	D	L	z	kg	PU
SDR 11							
2054090050	90	248	152.0	496.0	99.0	4.765	1
2054110051	110	325.5	175.0	651.0	118.0	8.006	1
2054125052	125	325.5	190.0	651.0	144.5	10.162	1
2054160053	160	381	235.0	762.0	189.0	14.340	1
2054200054	200	499	285.0	998.0	259.0	25.599	1
2054250055	250	558	375.0	1,116.0	315.0	55.710	1
2054315056 *	315	645	450.0	1,290.0	370.0	92.450	1
2054355057 *	355	685	492.0	1,370.0	402.0	129.072	1
2054400058 *	400	725	540.0	1,450.0	425.0	165.100	1
2054450059 *	450	775	600.0	1,550.0	457.0	215.300	1
SDR 17.6							
2057160060	160	381	235.0	762.0	189.0	13.747	1
2057200061	200	499	285.0	998.0	259.0	24.000	1
2057250062	250	558	355.0	1,116.0	315.0	43.368	1
2057315063 *	315	635	425.0	1,270.0	360.0	68.700	1
2057355064 *	355	675	470.0	1,350.0	392.0	87.500	1
2057400065 *	400	725	510.0	1,450.0	425.0	111.795	1
2057450066 *	450	760	565.0	1,520.0	442.0	128.800	1

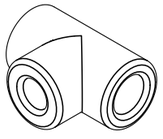
*pipe segments
Do not use for aquatherm blue MF RP OT











Red. T-piece, socket welding

injection moulded fittings — SDR 6 / 7.4 / 9 / 11 / 17.6

Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	d1	d2	l	l1	D	D1	L	z	z1	z2	kg	PU
1060020033	20	25.0	20.0	31.0	30.5	34.0	34.0	62.0	16.5	14.5	16.5	0.040	10
1060025037	25	20.0	20.0	31.0	30.5	34.0	34.0	62.0	15.0	16.0	16.5	0.039	10
1060025038	25	20.0	25.0	31.0	30.5	34.0	34.0	62.0	15.0	16.0	15.0	0.036	10
1060032039	32	16.0	32.0	35.0	31.0	43.0	29.5	70.0	17.0	18.0	17.0	0.053	5
1060032040	32	20.0	20.0	36.8	37.0	43.0	43.0	73.5	18.8	22.5	22.3	0.076	5
1060032041	32	20.0	32.0	35.0	31.0	43.0	29.5	70.0	17.0	16.5	17.0	0.053	5
1060032042	32	25.0	25.0	35.0	34.5	43.0	43.0	70.0	17.0	18.5	19.0	0.069	5
1060032043	32	25.0	32.0	35.0	32.0	43.0	34.0	70.0	17.0	16.0	17.0	0.050	5
1060040044	40	20.0	40.0	41.5	36.0	52.0	34.0	83.0	21.0	21.5	21.0	0.091	5
1060040045	40	25.0	40.0	41.5	36.0	52.0	34.0	83.0	21.0	20.0	21.0	0.089	5
1060040046	40	32.0	40.0	42.0	40.5	52.0	52.0	84.0	21.5	22.5	21.5	0.092	5
1060050047	50	20.0	50.0	49.5	40.5	68.0	29.5	99.0	26.0	26.0	26.0	0.162	5
1060050048	50	25.0	50.0	49.5	44.5	68.0	34.0	99.0	26.0	28.5	26.0	0.158	5
1060050049	50	32.0	50.0	49.5	44.5	68.0	43.0	99.0	26.0	26.5	26.0	0.160	5
1060050050	50	40.0	50.0	49.5	49.5	68.0	68.0	99.0	26.0	29.0	26.0	0.161	5
1060063051	63	20.0	63.0	60.0	48.5	84.0	34.0	120.0	32.5	34.0	32.5	0.335	1
1060063052	63	25.0	63.0	60.0	48.5	84.0	34.0	120.0	32.5	32.5	32.5	0.331	1
1060063053	63	32.0	63.0	60.0	53.0	84.0	52.0	120.0	32.5	35.5	32.5	0.340	1
1060063054	63	40.0	63.0	60.0	53.0	84.0	52.0	120.0	32.5	33.0	32.5	0.332	1
1060063055	63	50.0	63.0	60.0	56.0	84.0	68.0	120.0	32.5	36.5	32.5	0.398	1
1060075056	75	20.0	75.0	68.5	54.5	100.0	34.0	137.0	38.5	40.0	38.5	0.501	1
1060075057	75	25.0	75.0	68.5	54.5	100.0	34.0	137.0	38.5	38.5	38.5	0.497	1
1060075058	75	32.0	75.0	68.5	59.0	100.0	52.0	137.0	38.5	41.0	38.5	0.505	1
1060075059	75	40.0	75.0	68.5	59.0	100.0	52.0	137.0	38.5	38.5	38.5	0.497	1
1060075060	75	50.0	75.0	68.5	66.0	100.0	84.0	137.0	38.5	42.5	38.5	0.550	1
1060075061	75	63.0	75.0	68.5	66.0	100.0	84.0	137.0	38.5	38.5	38.5	0.515	1
1060090062	90	32.0	90.0	79.0	64.0	120.0	43.0	158.0	46.0	46.0	46.0	0.880	1
1060090063	90	40.0	90.0	79.0	66.5	120.0	52.0	158.0	46.0	46.0	46.0	0.862	1
1060090064	90	50.0	90.0	79.0	69.5	120.0	68.0	158.0	46.0	46.0	46.0	0.905	1
1060090065	90	63.0	90.0	79.0	73.5	120.0	84.0	158.0	46.0	46.0	46.0	0.876	1
1060090066	90	75.0	90.0	79.0	76.0	120.0	100	158.0	46.0	46.0	46.0	0.991	1
1060110067	110	63.0	110.0	93.0	83.5	147.0	84.0	186.0	56.0	56.0	56.0	1.534	1
1060110068	110	75.0	110.0	93.0	86.0	147.0	100.0	186.0	56.0	56.0	56.0	1.517	1
1060110069	110	90.0	110.0	93.0	89.0	147.0	120.0	186.0	56.0	56.0	56.0	1.548	1
1060125070	125	75.0	125.0	116.5	106.5	167.0	100.0	233.0	76.5	76.5	76.5	2.427	1
1060125071	125	90.0	125.0	116.5	109.5	167.0	120.0	233.0	76.5	76.5	76.5	2.509	1
1060125072	125	110.0	125.0	116.5	113.5	167.0	147.0	233.0	76.5	76.5	76.5	2.563	1

Red. T-piece, socket- & butt welding

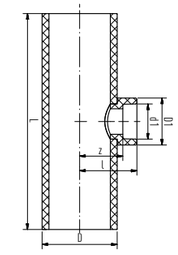
branch: socket welding

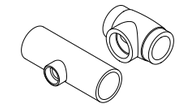
Material: fusiolen® PP-RCT
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	D	d1	l	D1	L	z	kg	PU
SDR 11								
1064160074	160.0	75.0	122.0	100.0	460.0	92.0	3.140	1
1064160076	160.0	90.0	125.0	120.0	460.0	92.0	3.176	1
1064160078 *	160.0	125.0	120.0	167.0	290.0	80.0	2.842	1

*Injection molded fitting

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.





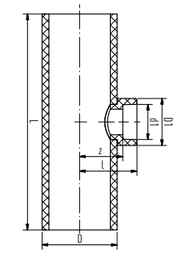
aquatherm blue red. T-piece, socket & butt welding

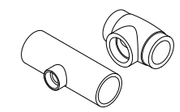
branch: socket welding, pipes with weld-in saddle

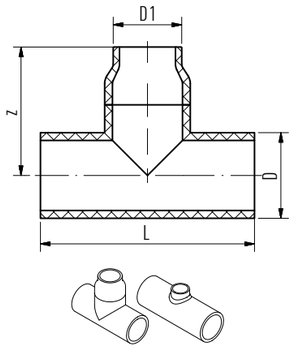
Material: fusiolen® PP-RCT
Standards: DIN 16962, DIN EN ISO 15874
Colour: blue / green

Article no.	D	d1	l	D1	L	z	kg	PU
SDR 11								
2064200020	200.0	75.0	142.0	100.0	500.0	112.0	5.460	1
2064200021	200.0	90.0	145.0	120.0	500.0	112.0	5.580	1
2064200022	200.0	110.0	149.0	147.0	500.0	112.0	5.810	1
2064200023	200.0	125.0	155.0	167.0	500.0	115.0	6.100	1
2064250025	250.0	75.0	167.0	100.0	750.0	137.0	12.440	1
2064250026	250.0	90.0	170.0	120.0	750.0	137.0	12.420	1
2064250027	250.0	110.0	174.0	147.0	750.0	137.0	12.760	1
2064250028	250.0	125.0	180.0	167.0	750.0	140.0	13.030	1
2064315031	315.0	125.0	213.0	167.0	920.0	173.0	25.000	1
2064355035	355.0	125.0	233.0	167.0	960.0	193.0	32.500	1
2064400040	400.0	125.0	255.0	167.0	1,000.0	215.0	42.100	1
2064450046	450.0	125.0	280.0	167.0	1,050.0	240.0	55.700	1
SDR 17.6								
2067160060	160.0	75.0	122.0	100.0	460.0	92.0	2.227	1
2067160061	160.0	90.0	125.0	120.0	460.0	92.0	2.364	1
2067160062 *	160.0	125.0	120.0	167.0	290.0	80.0	2.309	1
2067200063	200.0	75.0	142.0	100.0	500.0	112.0	3.620	1
2067200064	200.0	90.0	145.0	120.0	500.0	112.0	3.742	1
2067200065	200.0	110.0	149.0	147.0	500.0	112.0	3.976	1
2067200066	200.0	125.0	155.0	167.0	500.0	115.0	4.269	1
2067250068	250.0	75.0	167.0	100.0	750.0	137.0	8.149	1
2067250069	250.0	90.0	170.0	120.0	750.0	137.0	8.274	1
2067250070	250.0	110.0	174.0	147.0	750.0	137.0	8.504	1
2067250071	250.0	125.0	180.0	167.0	750.0	140.0	9.000	1
2067315074	315.0	125.0	213.0	167.0	920.0	173.0	17.570	1
2067355078	355.0	125.0	233.0	167.0	960.0	193.0	21.500	1
2067400083	400.0	125.0	255.0	167.0	1,000.0	215.0	27.690	1
2067450089	450.0	125.0	280.0	167.0	1,050.0	240.0	36.470	1
2067500096	500.0	125.0	305.0	167.0	1,200.0	265.0	51.250	1
2067630104	630.0	125.0	370.0	167.0	1,330.0	330.0	89.170	1

pipes with weld-in saddle / *injection molded







aquatherm blue SDR 11
red. T-piece, butt welding

branch: butt welding

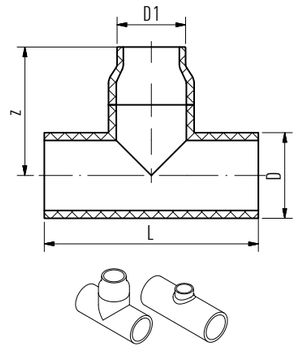
Material: fusiolen® PP-RCT
Standards: DIN 16962, DIN EN ISO 15874
Colour: blue / green

Article no.	D	D1	L	z	kg	PU
SDR 11						
2064200024	200.0	160	500.0	300.0	7.650	1
2064250029	250.0	160	750.0	375.0	19.030	1
2064250030	250.0	200	750.0	375.0	21.100	1
2064315032 *	315.0	160	920.0	237.5	25.000	1
2064315033	315.0	200	920.0	460.0	33.200	1
2064315034	315.0	250	920.0	460.0	31.500	1
2064355036 *	355.0	160	960.0	257.5	32.500	1
2064355037 *	355.0	200	960.0	267.5	30.200	1
2064355038	355.0	250	960.0	480.0	40.000	1
2064355039	355.0	315	960.0	480.0	40.000	1
2064400041 *	400.0	160	1,000.0	354.0	44.100	1
2064400042 *	400.0	200	1,000.0	318.0	44.100	1
2064400043 *	400.0	250	1,000.0	280.0	46.000	1
2064400044	400.0	315	1,000.0	500.0	57.790	1
2064400045	400.0	355	1,000.0	500.0	52.715	1
2064450047 *	450.0	160	1,050.0	379.0	57.900	1
2064450048 *	450.0	200	1,050.0	343.0	57.900	1
2064450049 *	450.0	250	1,050.0	305.0	57.900	1
2064450050 *	450.0	315	1,050.0	315.0	58.400	1
2064450051	450.0	355	1,050.0	525.0	62.491	1
2064450052	450.0	400	1,050.0	525.0	62.683	1

Pipe with reducer / *Pipe with weld-in saddle

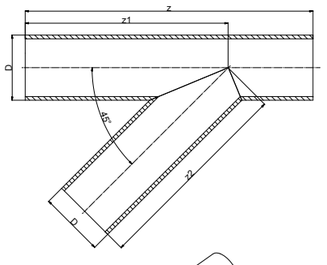
aquatherm blue SDR 17,6
red. T-piece, butt welding

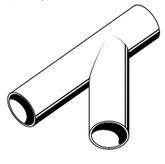
Material: fusiolen® PP-RCT
Standards: DIN 16962, DIN EN ISO 15874
Colour: blue / green



Article no.	D	D1	L	z	kg	PU
SDR 17.6						
2067200067	200.0	160	500.0	300.0	5.000	1
2067250072	250.0	160	750.0	375.0	11.600	1
2067250073	250.0	200	750.0	375.0	11.500	1
2067315075 *	315.0	160	920.0	237.5	16.500	1
2067315076	315.0	200	920.0	460.0	23.600	1
2067315077	315.0	250	920.0	460.0	22.600	1
2067355079 *	355.0	160	960.0	257.5	21.500	1
2067355080 *	355.0	200	960.0	267.5	21.900	1
2067355081	355.0	250	960.0	480.0	28.300	1
2067355082	355.0	315	960.0	480.0	30.500	1
2067400084 *	400.0	160	1,000.0	354.0	29.700	1
2067400085 *	400.0	200	1,000.0	318.0	29.700	1
2067400086 *	400.0	250	1,000.0	280.0	29.000	1
2067400087	400.0	315	1,000.0	500.0	30.667	1
2067400088	400.0	355	1,000.0	500.0	30.748	1
2067450090 *	450.0	160	1,050.0	379.0	37.000	1
2067450091 *	450.0	200	1,050.0	343.0	37.000	1
2067450092 *	450.0	250	1,050.0	305.0	37.000	1
2067450093 *	450.0	315	1,050.0	315.0	37.000	1
2067450094	450.0	355	1,050.0	525.0	50.500	1
2067450095	450.0	400	1,050.0	525.0	50.100	1
2067500097 *	500.0	160	1,200.0	404.0	53.400	1
2067500098 *	500.0	200	1,200.0	368.0	53.500	1
2067500099 *	500.0	250	1,200.0	330.0	53.500	1
2067500100	500.0	315	1,200.0	340.0	54.000	1
2067500101	500.0	355	1,200.0	600.0	57.039	1
2067500102	500.0	400	1,200.0	600.0	57.245	1
2067500103	500.0	450	1,200.0	600.0	57.365	1
2067630105 *	630.0	160	1,330.0	474.0	91.530	1
2067630106 *	630.0	200	1,330.0	438.0	91.500	1
2067630107 *	630.0	250	1,330.0	400.0	91.500	1
2067630108 *	630.0	315	1,330.0	405.0	92.350	1
2067630109	630.0	400	1,330.0	665.0	97.299	1
2067630110	630.0	450	1,330.0	665.0	97.703	1
2067630111	630.0	500	1,330.0	665.0	98.032	1

Pipe with reducer / *Pipe with weld-in saddle





aquatherm blue Y-pieces

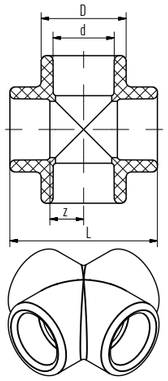
socket welding

Material: fusiolen® PP-RCT
Standards: DIN16962-2
Colour: blue

Article no.	D	z	z1	z2	kg	PU
SDR 11						
2084063001	63.0	560.0	380.0	380.0	0.843	1
2084075002	75.0	570.0	405.0	405.0	1.210	1
2084090003	90.0	577.0	412.0	412.0	1.750	1
2084110004	110.0	610.0	435.0	435.0	2.730	1
2084125005	125.0	665.0	475.0	475.0	3.840	1
2084160007 *	160.0	782.0	551.0	551.0	7.300	1
2084200009 *	200.0	925.0	650.0	650.0	13.360	1
2084250011 *	250.0	1,105.0	780.0	780.0	24.780	1
SDR 17.6						
2087125006	125.0	665.0	475.0	475.0	2.470	1
2087160008 *	160.0	782.0	551.0	551.0	4.700	1
2087200010 *	200.0	925.0	650.0	650.0	8.640	1
2087250012 *	250.0	1,105.0	780.0	780.0	16.010	1

*butt welding
Special fittings on demand, Mechanically stabilised through a fibre mix integrated in the middle layer of the fusiolen® PP-RCT

Attention – please note!
These branches are for special applications in unpressurized areas, e.g. in vacuum dewatering within shipbuilding.

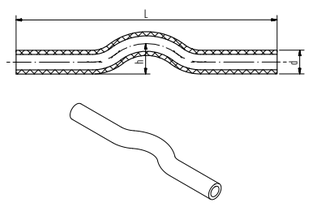


Cross

socket welding — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	D	L	z	kg	PU
1040020090	20	29.5	51.5	11.3	0.025	10
1040025091	25	34.0	59.0	13.5	0.035	10
1040032092	32	43.0	70.0	17.0	0.062	5
1040040093	40	52.0	83.0	21.0	0.099	5



Cross over fitting

socket welding — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

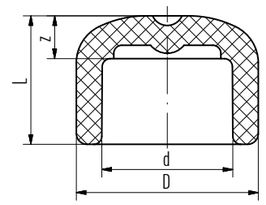
Article no.	d	L	h	kg	PU
1090020002	20	352.0	32.0	0.060	10
1090025003	25	352.0	37.5	0.091	10
1090032004	32	352.0	48.0	0.154	5

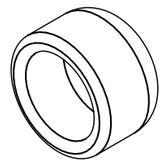
End cap

socket welding — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	D	L	z	kg	PU
1020020002	20	29.5	24.0	9.5	0.009	10
1020025003	25	34.0	24.0	8.0	0.011	10
1020032004	32	43.0	29.0	11.0	0.023	5
1020040005	40	52.0	38.0	17.5	0.042	5
1020050006	50	68.0	44.5	21.0	0.082	5
1020063007	63	84.0	52.0	24.5	0.146	1
1020075008	75	100.0	58.5	28.5	0.243	1
1020090009	90	120.0	67.5	34.5	0.365	1
1020110010	110	147.0	65.0	28.0	0.635	1
1020125011	125	167.0	82.0	42.0	0.872	1

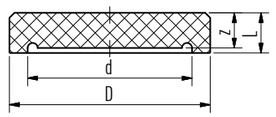


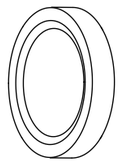


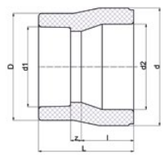
End cap butt-welding

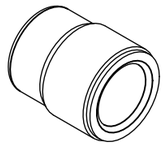
Material: fusiolen® PP-RCT
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	D	d	L	z	kg	PU
SDR 11						
1024160013	160.0	130.8	70.0	14.6	0.631	1
1024200015	200.0	163.6	80.0	18.2	1.070	1
1024250017	250.0	204.6	90.0	22.7	1.989	1
1024315018	315.0	257.8	70.0	52.5	4.200	1
1024355019	355.0	290.6	80.0	67.5	6.410	1
1024400020	400.0	327.4	70.0	60.0	7.190	1
1024450021	450.0	368.2	80.0	70.0	10.500	1
SDR 17.6						
2027160001	160.0	141.8	70.0	9.1	0.679	1
2027200002	200.0	177.2	80.0	11.4	0.925	1
2027250003	250.0	221.6	90.0	14.2	1.305	1
2027315004	315.0	279.2	70.0	60.0	4.500	1
2027355005	355.0	314.8	70.0	60.0	5.540	1
2027400006	400.0	354.6	75.0	65.0	6.000	1
2027450007	450.0	399.0	70.0	56.0	8.520	1
2027500008	500.0	443.2	75.0	62.0	12.500	1
2027630009	630.0	558.6	90.0	78.0	23.500	1









Reducing socket, socket welding

double-sided socket welding — SDR 6 / 7.4 / 9 / 11 / 17.6

Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

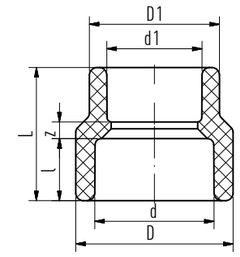
Article no.	d	d1	d2	l	D	L	z	kg	PU
1040025022	25	20.0	16.5	16.0	29.5	38.5	8.0	0.012	10
1040032023	32	20.0	21.5	18.0	29.5	37.5	5.0	0.015	5
1040032024	32	25.0	21.0	18.0	34.0	38.0	4.0	0.016	5
1040040025	40	20.0	26.5	20.5	29.5	45.0	10.0	0.025	5
1040040026	40	25.0	26.5	20.5	34.0	50.0	13.5	0.028	5
1040040027	40	32.0	26.5	20.5	43.0	50.0	11.5	0.032	5
1040050028	50	20.0	33.5	23.5	29.5	55.0	17.0	0.045	5
1040050029	50	25.0	33.5	23.5	34.0	55.0	15.5	0.044	5
1040050030	50	32.0	33.5	23.5	43.0	54.0	12.5	0.048	5
1040050031	50	40.0	33.5	23.5	52.0	53.0	9.0	0.053	5
1040063032	63	20.0	42.0	27.5	29.5	65.0	23.0	0.073	1
1040063033	63	25.0	42.0	27.5	34.0	65.0	21.5	0.071	1
1040063034	63	32.0	42.0	27.5	43.0	62.0	16.5	0.080	1
1040063035	63	40.0	42.0	27.5	52.0	64.5	16.5	0.089	1
1040063036	63	50.0	42.0	27.5	68.0	63.5	12.5	0.107	1
1040075037	75	40.0	50.0	30.0	52.0	69.5	19.0	0.131	1
1040075038	75	50.0	50.0	30.0	68.0	63.0	9.5	0.141	1
1040075039	75	63.0	50.0	30.0	84.0	71.0	13.5	0.170	1
1040075040	75	20.0	50.0	30.0	34.5	65.5	21.0	0.113	1
1040075041	75	25.0	50.0	30.0	34.5	65.5	19.5	0.111	1
1040075042	75	32.0	50.0	30.0	52.0	69.5	21.5	0.140	1
1040090043	90	50.0	60.0	33.0	68.0	75.0	18.5	0.193	1
1040090044	90	63.0	60.0	33.0	84.0	78.0	17.5	0.224	1
1040090045	90	75.0	60.0	33.0	100.0	81.5	18.5	0.273	1
1040110046	110	63.0	73.5	37.0	84.0	86.0	21.5	0.356	1
1040110047	110	75.0	73.5	37.0	100.0	89.0	22.0	0.383	1
1040110048	110	90.0	73.5	37.0	120.0	99.0	29.0	0.500	1
1040125049	125	75.0	84.0	40.0	100.0	101.0	31.0	0.518	1
1040125050	125	90.0	84.0	40.0	120.0	99.0	26.0	0.588	1
1040125051	125	110.0	84.0	40.0	147.0	112.0	35.0	0.832	1

Reducing socket female/female

double-sided socket welding — SDR 6 / 7.4 / 9 / 11 / 17.6

Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	d1	l	D	D1	L	z	kg	PU
1040040073	40	32.0	20.5	52.0	43.0	44.0	5.5	0.035	1
1040050074	50	32.0	23.5	68.0	43.0	53.0	11.5	0.066	1
1040050075	50	40.0	23.5	68.0	52.0	50.5	6.3	0.069	1
1040063076	63	40.0	27.5	84.0	52.0	61.0	13.0	0.115	1
1040063077	63	50.0	27.5	84.0	68.0	56.0	5.0	0.120	1
1040075078	75	50.0	30.0	100.0	68.0	68.0	14.5	0.192	1
1040075079	75	63.0	30.0	100.0	84.0	62.5	5.0	0.185	1
1040090080	90	63.0	33.0	120.0	84.0	74.0	13.5	0.276	1
1040090081	90	75.0	33.0	120.0	100.0	69.0	6.0	0.297	1
1040110082	110	75.0	37.0	147.0	100.0	85.0	18.0	0.516	1
1040110083	110	90.0	37.0	147.0	120.0	77.3	7.3	0.520	1
1040125084	125	90.0	40.0	167.0	120.0	91.0	18.0	0.749	1
1040125085	125	110.0	40.0	167.0	147.0	87.0	10.0	0.726	1

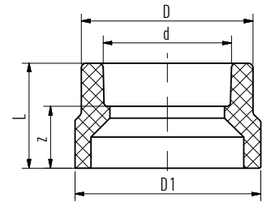


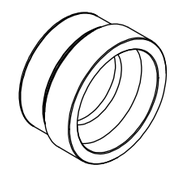
Reducing socket, socket & butt welding

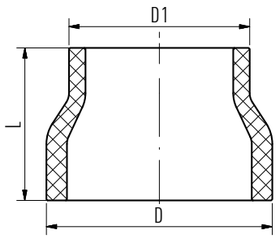
one side socket welding, other side butt welding

Material: fusiolen® PP-RCT
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	D1	d	D	L	z	kg	PU
SDR 11							
1044160053	160	110	147.0	90.0	53.0	0.673	1
1044160055	160	125	167.0	90.0	50.0	0.709	1
1044200057	200	125	167.0	135.0	95.0	1.341	1
SDR 17.6							
2047160001	160	110	147.0	90.0	53.0	0.589	1
2047160002	160	125	167.0	90.0	50.0	0.614	1
2047200003	200	125	167.0	135.0	95.0	1.055	1







Reducing socket, butt welding

double-sided butt welding

Material: fusiolen® PP-RCT
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	D	D1	L	kg	PU
SDR 11					
1044200059	200.0	160	135.0	1.140	1
1044250061	250.0	160	172.5	2.152	1
1044250063	250.0	200	172.5	2.681	1
1044315065	315.0	250	225.0	4.690	1
1044355066	355.0	250	170.0	4.548	1
1044355067	355.0	315	160.0	4.401	1
1044400069	400.0	315	122.0	4.550	1
1044400070	400.0	355	110.0	4.620	1
1044450071	450.0	315	142.0	6.500	1
1044450072	450.0	355	132.0	6.500	1
1044450073	450.0	400	122.0	6.000	1
SDR 17.6					
2047200004	200.0	160	135.0	1.012	1
2047250005	250.0	160	172.5	1.500	1
2047250006	250.0	200	172.5	1.602	1
2047315008	315.0	200	225.0	2.886	1
2047315009	315.0	250	225.0	3.420	1
2047355010	355.0	250	170.0	4.480	1
2047355011	355.0	315	160.0	3.108	1
2047400012	400.0	250	152.0	3.240	1
2047400013	400.0	315	122.0	3.000	1
2047400014	400.0	355	112.0	2.500	1
2047450015	450.0	315	142.0	4.000	1
2047450016	450.0	355	132.0	4.000	1
2047450017	450.0	400	122.0	4.000	1
2047500018	500.0	315	172.0	6.500	1
2047500019	500.0	355	152.0	7.000	1
2047500020	500.0	400	142.0	6.500	1
2047500021	500.0	450	122.0	5.500	1
2047630022	630.0	400	192.0	14.500	1
2047630023	630.0	450	172.0	12.500	1
2047630024	630.0	500	152.0	11.000	1

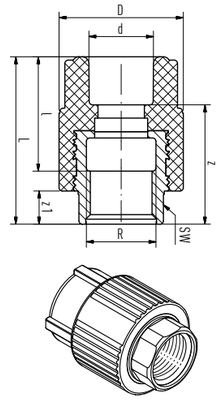
Transition piece with female thread

with spanner flat — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass or stainless steel
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	D	L	z	z1	R	SW	kg	PU
1070020008	20	34.5	38.5	50.5	36.0	10.0	1/2"	24	0.078	10
1070020009	20	29.0	43.5	50.0	35.5	10.0	3/4"	31	0.112	10
1070025010	25	36.0	38.5	52.0	36.0	10.0	1/2"	24	0.081	10
1070025011	25	29.0	43.5	50.0	34.0	10.0	3/4"	31	0.109	10
1070032012	32	32.0	43.5	53.0	35.0	10.0	3/4"	31	0.114	5
1070032013	32	37.5	60.0	59.5	41.5	14.0	1"	39	0.239	5
1070040014	40	40.0	60.0	62.0	41.5	14.0	1"	39	0.227	5
1070040015	40	40.0	74.0	63.0	42.5	15.0	1 1/4"	50	0.385	5
1070050016	50	43.0	74.0	66.0	42.5	15.0	1 1/4"	50	0.404	5
1070050017	50	45.0	85.5	67.0	43.5	15.0	1 1/2"	55	0.418	5
1070063018	63	51.5	84.0	73.5	46.0	15.0	1 1/2"	55	0.442	1
1070063019	63	51.0	101.0	77.0	49.5	19.0	2"	67	0.600	1
1070075020	75	51.0	100.0	77.0	47.0	19.0	2"	67	0.608	1
1070032066 *	32	37.5	60.0	59.5	41.5	14.0	1"	39	0.232	5
1070040067 *	40	40.0	60.0	62.0	41.5	14.0	1"	39	0.219	5
1070040068 *	40	40.0	74.0	63.0	42.5	15.0	1 1/4"	50	0.331	5
1070050069 *	50	43.0	74.0	66.0	42.5	15.0	1 1/4"	50	0.351	5
1070050070 *	50	45.0	84.0	67.0	43.5	15.0	1 1/2"	55	0.445	5
1070063071 *	63	51.5	84.0	73.5	46.0	15.0	1 1/2"	55	0.425	1
1070063072 *	63	51.0	101.0	77.0	49.5	19.0	2"	67	0.196	1
1070075073 *	75	51.0	100.0	77.0	47.0	19.0	2"	67	0.676	1

*stainless steel

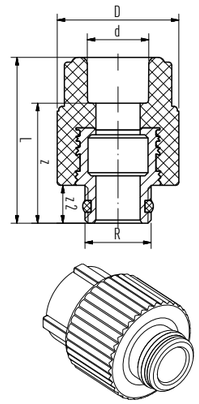


Transition piece with male thread

round, self sealing — SDR 6 / 7.4 / 11

Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	d1	d2	D	L	z	z2	R	kg	PU
1070020051	20	21.0	14.0	38.5	52.5	38.0	12.0	1/2"	0.090	10
1070025052	25	21.0	14.0	38.5	54.0	38.0	12.0	1/2"	0.078	10
1070025053	25	26.5	18.0	38.5	53.5	37.5	13.0	3/4"	0.085	10



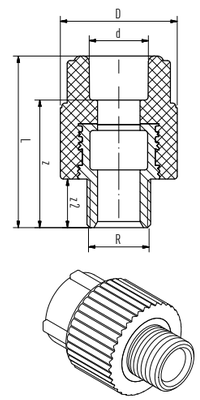
Transition piece with male thread

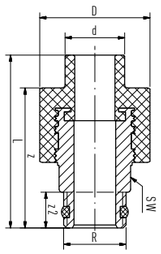
round — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass or stainless steel
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	D	L	z	z2	R	kg	PU
1070020022	20	38.5	56.5	42.0	16.0	1/2"	0.084	10
1070020023	20	38.5	57.5	43.0	17.0	3/4"	0.109	10
1070025024	25	38.5	58.0	42.0	16.0	1/2"	0.085	10
1070025025	25	38.5	57.5	41.5	17.0	3/4"	0.090	10
1070032026	32	38.5	59.5	41.5	17.0	3/4"	0.095	5
1070020074 *	20	38.5	56.5	42.0	16.0	1/2"	0.096	10
1070020075 *	20	38.5	57.5	43.0	17.0	3/4"	0.108	10
1070025076 *	25	38.5	58.0	42.0	16.0	1/2"	0.098	10
1070025077 *	25	38.5	57.5	41.5	17.0	3/4"	0.108	10
1070032078 *	32	38.5	59.5	41.5	17.0	3/4"	0.115	5

*stainless steel



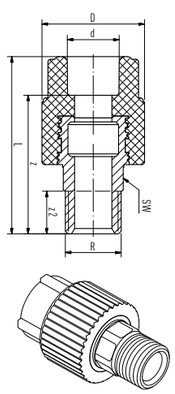


Transition piece with male thread

self sealing, with hex shaped threaded transition — SDR 6 / 7.4 / 11

Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	D	L	z	z2	R	SW	kg	PU
1070020056	20	38.5	63.5	49.0	13.0	1/2"	22	0.111	10



Transition piece with male thread

with spanner flat — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass or stainless steel
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	D	L	z	z2	R	SW	kg	PU
1070020027	20	38.5	66.5	52.0	16.0	1/2"	22	0.104	10
1070020028	20	38.5	67.5	53.0	17.0	3/4"	24	0.129	10
1070025029	25	38.5	68.0	52.0	16.0	1/2"	21	0.107	10
1070025030	25	38.5	67.5	51.5	17.0	3/4"	24	0.103	10
1070032031	32	53.0	78.5	60.5	20.0	1"	32	0.216	5
1070032032	32	68.0	81.0	63.0	21.0	1 1/4"	42	0.318	5
1070040033	40	52.0	81.0	60.5	20.0	1"	32	0.222	5
1070040034	40	68.0	84.5	64.0	21.0	1 1/4"	42	0.324	5
1070050035	50	68.0	85.5	62.0	21.0	1 1/4"	42	0.351	5
1070050036	50	74.0	88.5	65.0	22.0	1 1/2"	46	0.425	5
1070063037	63	72.5	94.5	67.0	22.0	1 1/2"	46	0.467	1
1070063038	63	84.0	102.5	75.0	23.5	2"	50	0.685	1
1070075039	75	84.0	102.0	72.0	23.5	2"	50	0.733	1
1070075040	75	100.0	105.0	75.0	26.7	2 1/2"	65	0.970	1
1070090041	90	120.0	121.0	88.0	30.0	3"	85	1.326	1
1070110042	110	147.0	148.0	111.0	39.0	4"	105	2.730	1
1070032079 *	32	53.0	78.5	60.5	20.0	1"	32	0.204	5
1070032080 *	32	68.0	81.0	63.0	21.0	1 1/4"	41	0.360	5
1070040081 *	40	52.0	81.0	60.5	20.0	1"	32	0.251	5
1070040082 *	40	68.0	84.5	64.0	21.0	1 1/4"	41	0.362	5
1070050083 *	50	68.0	85.5	62.0	21.0	1 1/4"	41	0.389	5
1070050084 *	50	74.0	88.5	65.0	22.0	1 1/2"	46	0.480	5
1070063085 *	63	72.5	94.5	67.0	22.0	1 1/2"	46	0.523	1
1070063086 *	63	84.0	102.5	75.0	23.5	2"	50	0.708	1
1070075087 *	75	84.0	102.0	72.0	23.5	2"	50	0.699	1

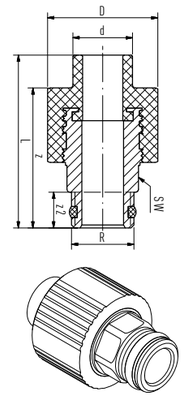
*stainless steel

Transition piece with male thread

self-sealing, with hex shaped threaded transition female/male
SDR 6 / 7.4 / 11

Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	D	L	z	z2	R	SW	kg	PU
1070020054	20	38.5	59.0	48.0	13.0	1/2"	22	0.107	10

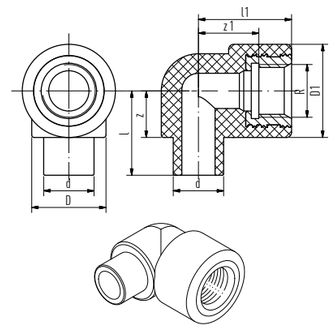


Transition elbow with female thread

SDR 6 / 7.4 / 11

Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	l1	D	D1	z	z1	R	kg	PU
1070020097	20	33.5	37.0	29.5	37.0	18.5	24.0	1/2"	0.076	10



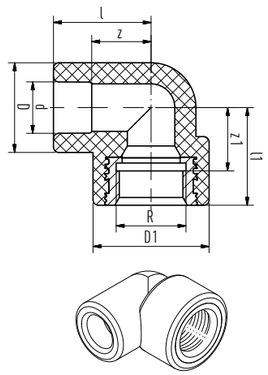
Transition elbow with female thread

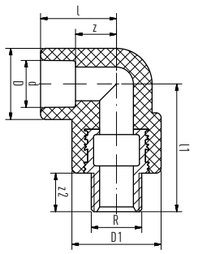
brass or stainless steel — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass or stainless steel
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	l1	D	D1	z	z1	R	kg	PU
1070020091	20	37.0	37.0	34.0	44.0	22.5	24.0	3/4"	0.102	10
1070020092	20	31.0	31.5	29.5	37.0	16.5	18.5	1/2"	0.076	10
1070025093	25	37.0	37.0	34.0	44.0	21.0	24.0	3/4"	0.100	10
1070025094	25	33.5	31.5	34.0	37.0	17.5	18.5	1/2"	0.075	10
1070032095	32	27.5	51.0	43.0	44.0	9.5	38.0	3/4"	0.104	5
1070032096	32	34.0	66.5	43.0	60.5	16.0	44.5	1"	0.249	5
1070020110 *	20	37.0	37.0	29.5	37.0	22.5	24.0	3/4"	0.095	10
1070020111 *	20	31.0	31.5	29.5	37.0	16.5	18.5	1/2"	0.081	10
1070025112 *	25	37.0	37.0	34.0	44.0	21.0	24.0	3/4"	0.101	10
1070025113 *	25	33.5	31.5	34.0	37.0	17.5	18.5	1/2"	0.082	10
1070032114 *	32	35.0	37.0	43.0	37.0	17.0	24.0	1/2"	0.112	5
1070032115 *	32	27.5	51.0	43.0	44.0	9.5	38.0	3/4"	0.097	5
1070032116 *	32	34.0	66.5	43.0	60.5	16.0	44.5	1"	0.240	5

*stainless steel





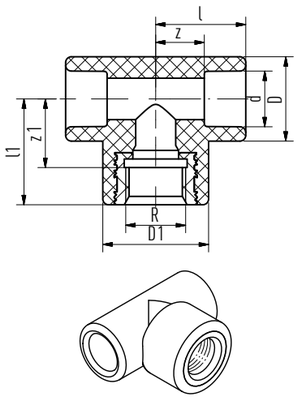
Transition elbow with male thread

brass or stainless steel — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass or stainless steel
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	l1	D	D1	z	z2	R	kg	PU
1070020099	20	31.5	53.0	29.5	37.0	17.0	16.0	1/2"	0.108	10
1070020100	20	31.5	54.0	34.0	38.0	17.0	17.0	3/4"	0.128	10
1070025101	25	31.5	54.0	34.0	38.0	15.5	17.0	3/4"	0.104	10
1070032102	32	27.5	68.0	43.0	38.0	9.5	17.0	3/4"	0.112	5
1070032103	32	31.0	85.5	43.0	52.0	13.0	20.0	1"	0.231	5
1070020117 *	20	31.5	53.0	29.5	37.0	17.0	16.0	1/2"	0.035	10
1070020118 *	20	31.5	54.0	34.0	38.0	17.0	17.0	3/4"	0.123	10
1070025119 *	25	31.5	54.0	34.0	38.0	15.5	17.0	3/4"	0.121	10
1070032120 *	32	27.5	68.0	43.0	38.0	9.5	17.0	3/4"	0.128	5

*stainless steel



Threaded branch tee with female thread

brass or stainless steel — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass or stainless steel
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	l1	D	D1	z	z1	R	kg	PU
1060020141	20	31.5	37.0	29.5	37.0	17.0	24.0	1/2"	0.086	10
1060020142	20	37.0	37.0	34.0	44.0	22.5	24.0	3/4"	0.121	10
1060025143	25	34.0	38.0	34.0	37.0	18.0	25.0	1/2"	0.090	10
1060025144	25	37.0	37.0	34.0	44.0	21.0	24.0	3/4"	0.109	10
1060032145	32	35.0	37.0	43.0	37.0	17.0	24.0	1/2"	0.103	5
1060032146	32	27.5	51.0	43.0	44.0	9.5	38.0	3/4"	0.111	5
1060032147	32	31.5	67.0	43.0	60.0	13.5	45.0	1"	0.255	5
1060040148	40	42.0	40.0	52.0	37.0	21.5	27.0	1/2"	0.142	5
1060040149	40	40.5	40.5	52.0	52.0	20.0	27.5	3/4"	0.147	5
1060040150	40	41.5	56.0	52.0	60.0	21.0	34.0	1"	0.276	5
1060050151	50	49.5	63.5	68.0	60.0	26.0	41.5	1"	0.385	5
1060050152	50	49.5	44.5	68.0	43.0	26.0	31.5	1/2"	0.237	5
1060050153	50	49.5	44.5	68.0	43.0	26.0	31.5	3/4"	0.243	5
1060020160 *	20	31.5	37.0	29.5	37.0	17.0	24.0	1/2"	0.087	10
1060020161 *	20	37.0	37.0	34.0	44.0	22.5	24.0	3/4"	0.108	10
1060025162 *	25	34.5	38.0	34.0	37.0	18.5	25.0	1/2"	0.093	10
1060025163 *	25	37.0	37.0	34.0	44.0	21.0	24.0	3/4"	0.111	10
1060032164 *	32	35.0	37.0	43.0	37.0	17.0	24.0	1/2"	0.113	5
1060032165 *	32	27.5	51.0	43.0	44.0	9.5	38.0	3/4"	0.111	5
1060032166 *	32	31.5	67.0	43.0	60.0	13.5	45.0	1"	0.082	5

*stainless steel

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

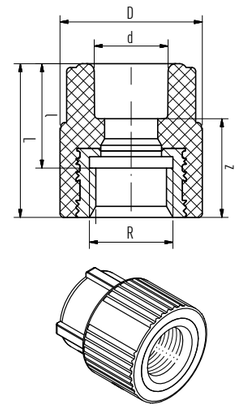
Transition piece with female thread

round, brass or stainless steel — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass or stainless steel
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	D	L	z	R	kg	PU
1070020002	20	27.5	37.5	40.5	26.0	1/2"	0.064	10
1070020003	20	27.5	43.5	40.5	26.0	3/4"	0.089	10
1070025004	25	29.5	38.5	42.5	26.5	1/2"	0.065	10
1070025005	25	27.5	43.5	40.5	24.5	3/4"	0.087	10
1070032006	32	30.5	43.5	43.5	25.5	3/4"	0.092	5
1070020060 *	20	27.5	37.5	40.5	26.0	1/2"	0.069	10
1070020061 *	20	27.5	43.5	40.5	26.0	3/4"	0.090	10
1070025062 *	25	29.5	38.5	42.5	26.5	1/2"	0.069	10
1070025063 *	25	27.5	43.5	40.5	24.5	3/4"	0.086	10
1070032064 *	32	30.5	43.5	43.5	25.5	3/4"	0.092	5
1070032065 *	32	28.0	37.0	41.0	23.0	1/2"	0.078	5

*stainless steel



Weld-in saddle

socket welding — SDR 6 / 7.4 / 9 / 11 / 17.6

Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	D1	d	d2	l	D	z2	kg	PU
1030040001 *	40	20	25.0	27.0	29.5	14.5	0.016	5
1030040002 *	40	25	25.0	28.5	34.0	16.0	0.017	5
1030050003	50	20	25.0	27.5	29.5	14.5	0.018	5
1030050004	50	25	25.0	28.5	34.0	16.0	0.019	5
1030063005	63	20	25.0	27.5	29.5	14.5	0.017	5
1030063006	63	25	25.0	28.5	34.0	16.0	0.019	5
1030063007	63	32	32.0	30.0	43.0	18.0	0.028	5
1030075008	75	20	25.0	27.5	29.5	14.5	0.018	5
1030075009	75	25	25.0	28.5	34.0	16.0	0.019	5
1030075010	75	32	32.0	30.0	43.0	18.0	0.028	5
1030075011	75	40	40.0	34.0	52.0	20.5	0.049	5
1030090012	90	20	25.0	27.5	29.5	14.5	0.018	5
1030090013	90	25	25.0	28.5	34.0	16.0	0.019	5
1030090014	90	32	32.0	30.0	43.0	18.0	0.029	5
1030090015	90	40	40.0	34.0	52.0	20.5	0.048	5
1030110016	110	20	25.0	27.5	29.5	14.5	0.019	5
1030110017	110	25	25.0	28.5	34.0	16.0	0.020	5
1030110018	110	32	32.0	30.0	43.0	18.0	0.030	5
1030110019	110	40	40.0	34.0	52.0	20.5	0.050	5
1030110020	110	50	50.0	34.0	68.0	23.5	0.091	5
1030125021	125	20	25.0	27.5	29.5	14.5	0.019	5
1030125022	125	25	25.0	28.5	34.0	16.0	0.020	5
1030125023	125	32	32.0	30.0	43.0	18.0	0.029	5
1030125024	125	40	40.0	34.0	52.0	20.5	0.050	5
1030125025	125	50	50.0	34.0	68.0	23.5	0.090	5
1030125026	125	63	63.0	38.0	84.0	27.5	0.149	5
1030160027	160	20	25.0	27.5	29.5	14.5	0.021	5
1030160028	160	25	25.0	28.5	34.0	16.0	0.023	5

*not for aquatherm blue OT

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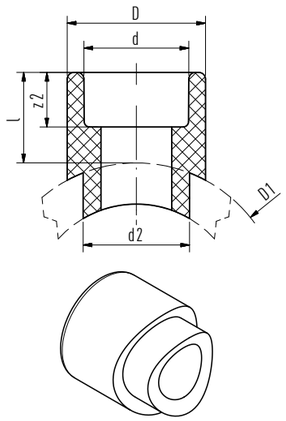
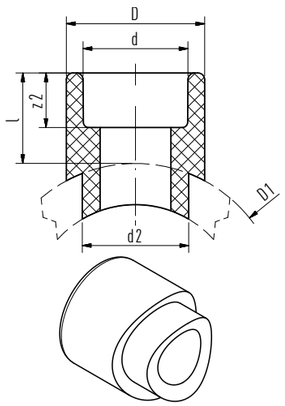




Weld-in saddle

(continued) socket welding — SDR 6 / 7.4 / 9 / 11 / 17.6

Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	D1	d	d2	l	D	z2	kg	PU
1030160029	160	32	32.0	30.0	43.0	18.0	0.034	5
1030160030	160	40	40.0	34.0	52.0	20.5	0.054	5
1030160031	160	50	50.0	34.0	68.0	23.5	0.094	5
1030160032	160	63	63.0	38.0	84.0	27.5	0.157	5
1030160033	160	75	75.0	42.0	100.0	30.0	0.238	5
1030160034	160	90	90.0	45.0	120.0	33.0	0.360	5
1030250035	200-250	20	25.0	27.5	29.5	14.5	0.020	5
1030250036	200-250	25	25.0	28.5	34.0	16.0	0.021	5
1030250037	200-250	32	32.0	30.0	43.0	18.0	0.031	5
1030200038	200	40	40.0	34.0	52.0	20.5	0.049	5
1030200039	200	50	50.0	34.0	68.0	23.5	0.087	5
1030200040	200	63	63.0	37.5	84.0	27.5	0.146	5
1030200041	200	75	75.0	42.0	100.0	30.0	0.225	5
1030200042	200	90	90.0	45.0	120.0	33.0	0.356	5
1030200043	200	110	110.0	49.0	147.0	37.0	0.638	5
1030200044	200	125	125.0	55.0	167.0	40.0	0.862	5
1030250045	250	40	40.0	34.0	52.0	20.5	0.053	5
1030250046	250	50	50.0	34.0	68.0	23.5	0.090	5
1030250047	250	63	63.0	37.5	84.0	27.5	0.152	5
1030250048	250	75	75.0	42.0	100.0	30.0	0.222	5
1030250049	250	90	90.0	45.0	120.0	33.0	0.348	5
1030250050	250	110	110.0	49.0	147.0	37.0	0.602	5
1030250051	250	125	125.0	55.0	167.0	40.0	0.820	5
1030315052	315-355	63	63.0	37.5	84.0	27.5	0.153	1
1030315053	315-355	75	75.0	42.0	100.0	30.0	0.230	1
1030315054	315	90	90.0	45.0	120.0	33.0	0.363	1
1030315055	315	110	110.0	49.0	147.0	37.0	0.592	1
1030315056	315	125	125.0	55.0	167.0	40.0	0.830	1
1030355058	355	90	90.0	45.0	120.0	33.0	0.355	1
1030355059	355	110	110.0	49.0	147.0	37.0	0.586	1
1030355060	355	125	125.0	55.0	167.0	40.0	0.813	1
1030500062	400-500	75	75.0	42.0	100.0	30.0	0.216	1
1030450063	400-450	110	110.0	49.0	147.0	37.0	0.535	1
1030400064	400	125	125.0	55.0	167.0	40.0	0.693	1
1030500065	400-500	90	90.0	45.0	120.0	33.0	0.330	1
1030500066	450-500	125	125.0	55.0	167.0	40.0	0.671	1
1030630067	400-630	63	63.0	37.5	84.0	27.5	0.498	1
1030560068	500	110	110.0	49.0	147.0	37.5	0.533	1
1030630069	630	75	75.0	42.0	100.0	30.0	0.260	1
1030630070	630	90	90.0	45.0	120.0	33.0	0.350	1
1030630071	630	125	125.0	55.0	167.0	40.0	0.689	1
1030630072	630	110	110.0	49.0	147.0	37.0	0.567	1

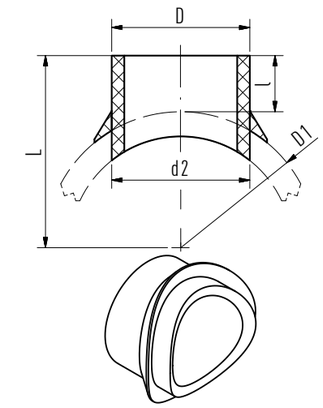
With weld-on surface and additional weld-in socket for the fusion with the inner pipe wall. The necessary tools for the fusion of aquatherm green weld-in saddles are listed in the Tools chapter.

Weld-in saddle butt welding

Material: fusiolen® PP-RCT
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	D1	D	d2	l	L	kg	PU
SDR 9							
1033315073	315	160.0	160.0	80.0	237.5	0.831	1
1033355074	355	160.0	160.0	80.0	257.5	0.845	1
SDR 11							
1034315057	315	160.0	160.0	80.0	237.5	0.862	1
1034355061	355	160.0	160.0	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 weld-in saddles are listed in the Tools chapter.



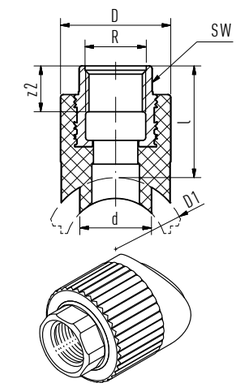
Weld-in saddle with female thread

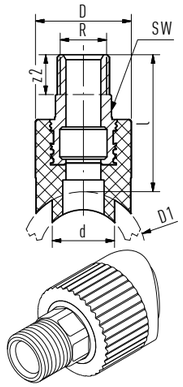
with spanner flat — SDR 6 / 7.4 / 9 / 11 / 17.6

Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	D1	d	l	D	z2	R	SW	kg	PU
1030040100 *	40	25	39.0	38.5	16.0	1/2"	24	0.088	5
1030050106	50	25	39.0	38.5	16.0	1/2"	24	0.090	5
1030063112	63	25	39.0	38.5	16.0	1/2"	24	0.089	5
1030075118	75	25	39.0	38.5	16.0	1/2"	24	0.083	5
1030090126	90	25	39.0	38.5	16.0	1/2"	24	0.090	5
1030110134	110	25	39.0	38.5	16.0	1/2"	24	0.089	5
1030125142	125	25	39.0	38.0	16.0	1/2"	24	0.092	5
1030160150	160	25	39.0	38.5	16.0	1/2"	24	0.092	5
1030250158	200-250	25	39.0	38.5	16.0	1/2"	24	0.092	5
1030040101	40	25	39.0	43.5	21.0	3/4"	31	0.107	5
1030050107	50	25	39.0	43.5	21.0	3/4"	31	0.110	5
1030063113	63	25	39.0	43.5	21.0	3/4"	31	0.109	5
1030075119	75	25	39.0	43.5	21.0	3/4"	31	0.109	5
1030090127	90	25	39.0	43.5	21.0	3/4"	31	0.110	5
1030110135	110	25	39.0	43.5	21.0	3/4"	31	0.110	5
1030125143	125	25	39.0	43.5	21.0	3/4"	31	0.112	5
1030160151	160	25	39.0	43.5	21.0	3/4"	31	0.112	5
1030250159	200-250	25	39.0	43.5	21.0	3/4"	31	0.112	5
1030075120	75	32	43.0	60.0	22.0	1"	39	0.223	5
1030090128	90	32	43.0	60.0	22.0	1"	39	0.223	5
1030110136	110	32	43.0	60.0	22.0	1"	39	0.223	5
1030125144	125	32	43.0	60.0	22.0	1"	39	0.224	5
1030160152	160	32	43.0	60.0	22.0	1"	39	0.226	5
1030250160	200-250	32	43.0	60.0	22.0	1"	39	0.244	5

*do not use with aquatherm blue OT





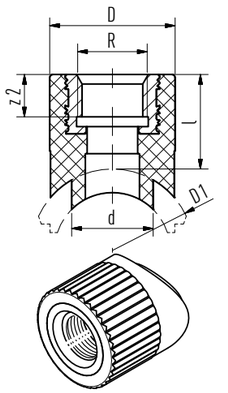
Weld-in saddle with male thread

with spanner flat — SDR 6 / 7.4 / 9 / 11 / 17.6

Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	D1	d	l	D	z2	R	SW	kg	PU
1030040102 *	40	25	55.0	38.5	16.0	1/2"	21	0.088	5
1030050108	50	25	55.0	38.5	16.0	1/2"	21	0.090	5
1030063114	63	25	55.0	38.5	16.0	1/2"	21	0.089	5
1030075121	75	25	55.0	38.5	16.0	1/2"	21	0.097	5
1030090129	90	25	55.0	38.5	16.0	1/2"	21	0.090	5
1030110137	110	25	55.0	38.5	16.0	1/2"	21	0.089	5
1030125145	125	25	55.0	38.5	16.0	1/2"	21	0.092	5
1030160153	160	25	55.0	38.5	16.0	1/2"	21	0.092	5
1030040103 *	40	25	56.0	43.5	17.0	3/4"	24	0.107	5
1030050109	50	25	56.0	43.5	17.0	3/4"	24	0.110	5
1030063115	63	25	56.0	43.5	17.0	3/4"	24	0.109	5
1030075122	75	25	56.0	43.5	17.0	3/4"	24	0.109	5
1030090130	90	25	56.0	43.5	17.0	3/4"	24	0.110	5
1030110138	110	25	56.0	43.5	17.0	3/4"	24	0.110	5
1030125146	125	25	56.0	43.5	17.0	3/4"	24	0.112	5
1030160154	160	25	56.0	43.5	17.0	3/4"	24	0.112	5

*do not use with aquatherm blue OT
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 weld-in saddles are listed in the Tools chapter.



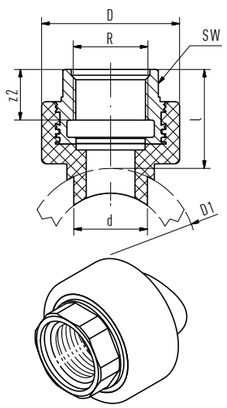
Weld-in saddle with female thread

SDR 6 / 7.4 / 9 / 11 / 17.6

Material: fusiolen® PP-R / stainless steel
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	D1	d	l	D	z2	R	SW	kg	PU
1030040104 **	40	25	39.0	38.5	16.0	1/2"	-	0.062	5
1030050110	50	25	39.0	38.5	16.0	1/2"	-	0.064	5
1030063116	63	25	39.0	38.5	16.0	1/2"	-	0.064	5
1030075123	75	25	39.0	38.5	16.0	1/2"	-	0.064	5
1030090131	90	25	39.0	38.5	16.0	1/2"	-	0.064	5
1030110139	110	25	39.0	38.5	16.0	1/2"	-	0.069	5
1030125147	125	25	39.0	38.5	16.0	1/2"	-	0.065	5
1030160155	160	25	39.0	38.5	16.0	1/2"	-	0.066	5
1030250161	200-250	25	39.0	38.5	16.0	1/2"	-	0.065	5
1030040105	40	25	39.0	43.5	21.0	3/4"	-	0.082	5
1030050111	50	25	39.0	43.5	21.0	3/4"	-	0.074	5
1030063117	63	25	39.0	43.5	21.0	3/4"	-	0.073	5
1030075124	75	25	39.0	43.5	21.0	3/4"	-	0.074	5
1030090132	90	25	39.0	43.5	21.0	3/4"	-	0.074	5
1030110140	110	25	39.0	43.5	21.0	3/4"	-	0.083	5
1030125148	125	25	39.0	43.5	21.0	3/4"	-	0.074	5
1030160156	160	25	39.0	43.5	21.0	3/4"	-	0.076	5
1030250162	200-250	25	39.0	43.5	21.0	3/4"	-	0.084	5
1030075125 *	75	32	43.0	60.0	22.0	1"	39	0.234	5
1030090133 *	90	32	43.0	60.0	22.0	1"	39	0.235	5
1030110141 *	110	32	43.0	60.0	22.0	1"	39	0.236	5
1030125149 *	125	32	43.0	60.0	22.0	1"	39	0.235	5
1030160157 *	160	32	43.0	60.0	22.0	1"	39	0.238	5
1030250163 *	200-250	32	43.0	60.0	22.0	1"	39	0.237	5

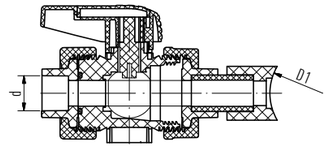
*with spanner
**do not use with aquatherm blue OT

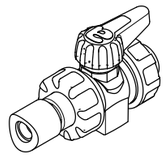


aquatherm weld-on saddle

with ball valve for installation under pressure in use with tapping tool
SDR 6 / 7.4 / 9 / 11 / 17.6

Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green





Article no.	d	D1	PU
1090075010	40	75	1
1090090011	40	90	1
1090110012	40	110	1
1090125013	40	125	1
1090125014	63	125	1
1090160015	40	160	1
1090160016	63	160	1
1090200017	40	200	1
1090200018	63	200	1
1090250019	40	250	1
1090250020	63	250	1
1090315021	63	315-355	1
1090400022	63	400-630	1

do not use with aquatherm blue OT

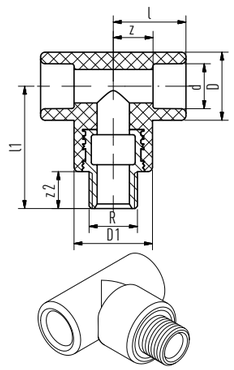
With hex shaped male thread, weld-in surface and weld-in socket for fusion with the inner wall of the pipe. The necessary tools for the fusion of aquatherm green weld-in saddles are listed in the Tools chapter.

Threaded branch tee with female thread

SDR 6 / 7.4 / 11

Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	l1	D	D1	z	z2	R	kg	PU
1060020154	20	31.5	53.0	29.5	37.0	17.0	16.0	1/2"	0.102	10

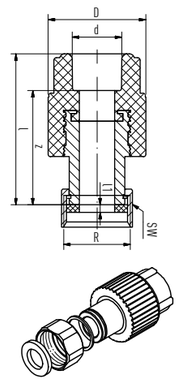


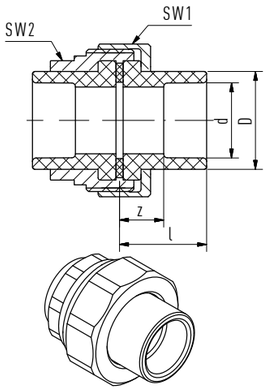
Water meter nut adapter

with gasket — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	l1	D	z	R	SW	kg	PU
1050020090	20	59.5	3.0	38.5	45.0	3/4"	30	0.136	1
1050025091	25	61.0	3.0	38.5	45.0	3/4"	30	0.155	1
1050032092	32	62.0	3.0	43.5	44.0	3/4"	30	0.162	1



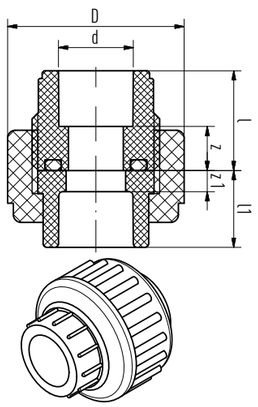


Coupling screw joint, brass

socket welding — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green, brass

Article no.	d	l	D	z	SW1	SW2	kg	PU
1050032040	32	36.5	41.0	18.5	64	50	0.479	1
1050040041	40	38.0	50.0	17.5	80	60	0.841	1
1050050042	50	41.0	61.0	17.5	86	70	0.821	1
1050063043	63	45.0	76.0	17.5	108	90	1.498	1
1050075044	75	31.0	90.0	17.5	128	104	1.998	1

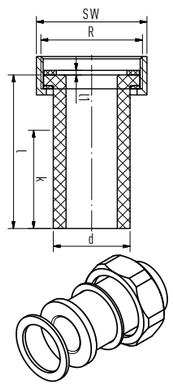


Coupling screw joint

socket welding — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	l1	D	z	z1	kg	PU
1050020050	20	26.0	20.0	46.0	12.0	5.5	0.036	10
1050025051	25	28.0	21.0	56.0	12.0	5.0	0.058	10
1050032052	32	30.0	23.0	66.0	12.0	5.0	0.089	5
1050040053	40	34.0	25.5	79.0	13.5	5.0	0.136	5
1050050054	50	39.0	28.8	87.0	15.5	5.0	0.170	5
1050063055	63	47.5	32.5	107.0	20.0	5.0	0.240	1
1050075056	75	50.0	36.0	128.0	20.0	6.0	0.546	1



Loose nut adapter

with gasket — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

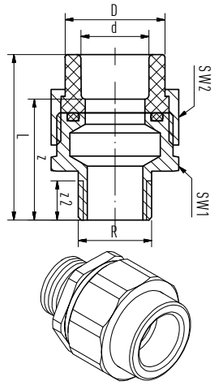
Article no.	d	l	l1	k	R	SW	kg	PU
1050020082	20	100.0	3.0	65.0	1“	36	0.079	1
1050025083	25	100.0	3.0	62.0	1 1/4“	46	0.104	1
1050032084	32	100.0	3.0	58.0	1 1/2“	52	0.175	1
1050040085	40	100.0	3.0	53.0	2“	64	0.258	1

Transition coupling with male thread

with union nut and welding socket — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	D	L	z	z2	R	SW1	SW2	kg	PU
1050020070	20	27.5	52.5	38.0	13.5	1/2“	34	36	0.145	1
1050025071	25	36.0	59.5	43.5	14.5	3/4“	42	46	0.243	1
1050032072	32	41.5	64.5	46.5	16.8	1“	48	52	0.336	1
1050040073	40	53.0	70.0	49.5	19.1	1 1/4“	60	64	0.517	1
1050050074	50	59.0	84.8	61.3	22.0	1 1/2“	48	72	0.624	1
1050063075	63	74.0	95.5	68.0	25.0	2“	62	89	1.045	1



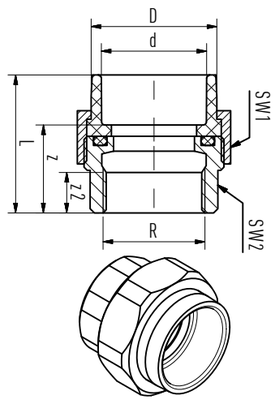
Transition coupling with female thread

with union nut and welding socket — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	D	L	z	z2	R	SW1	SW2	kg	PU
1050020076	20	27.5	45.0	30.5	15.0	1/2“	36	24	0.112	1
1050025077	25	36.0	49.0	33.0	15.5	3/4“	46	32	0.193	1
1050032078	32	41.5	54.0	36.0	15.0	1“	52	40	0.291	1
1050040079	40	53.0	56.5	36.0	20.0	1 1/4“	64	47	0.423	1
1050050080	50	59.0	64.8	41.3	19.0	1 1/2“	72	57	0.610	1
1050063081	63	74.0	74.5	47.0	18.0	2“	89	68	0.924	1

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

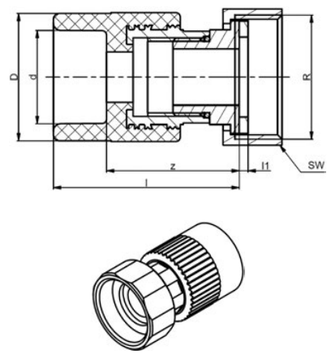


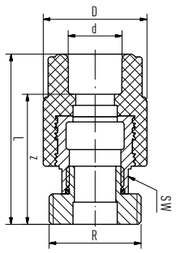
Nut adapter ISO-standard

SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	l1	D	z	R	SW	kg	PU
1050020097	20	58.5	3.0	38.5	34.0	1“	36	0.182	10
1050025098	25	60.0	3.0	38.5	44.0	1“	36	0.186	10
1050025099	25	60.0	3.0	43.5	44.0	1 1/4“	46	0.274	10
1050032100	32	63.0	3.0	43.5	45.0	1 1/4“	46	0.279	5
1050032101	32	69.5	3.0	60.0	51.5	1 1/2“	52	0.446	5
1050040102	40	72.0	3.0	60.0	51.5	1 1/2“	52	0.421	5
1050040103	40	72.0	3.0	74.0	51.5	2“	64	0.719	5
1050050104	50	75.0	3.0	74.0	51.5	2“	64	0.736	5
1050050105	50	77.0	3.0	84.0	53.5	2 1/4“	72	0.831	5
1050063106	63	83.5	3.0	84.0	56.0	2 1/4“	72	0.889	1
1050063107	63	82.5	3.0	101.0	55.0	2 3/4“	89	1.306	1
1050075108	75	85.0	3.0	100.0	55.0	2 3/4“	89	1.275	1
1050075109	75	91.0	3.0	100.0	61.0	3 1/2“	110	1.818	1



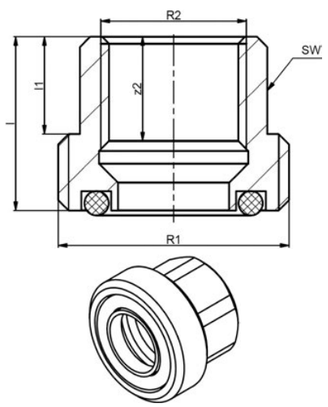


Counterpart with male thread

with welding socket for ISO-standard — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	D	L	z	R	SW	kg	PU
1050020110	20	37.5	61.5	47.0	1"	24	0.151	10
1050025111	25	37.5	63.0	47.0	1"	24	0.153	10
1050025112	25	43.5	63.0	47.0	1 1/4"	31	0.221	10
1050032113	32	43.5	66.0	48.0	1 1/4"	31	0.226	5
1050032114	32	60.0	76.5	58.5	1 1/2"	39	0.408	5
1050040115	40	60.0	79.0	58.5	1 1/2"	39	0.414	5
1050040116	40	74.0	79.0	58.5	2"	50	0.650	5
1050050117	50	74.0	82.0	58.5	2"	50	0.634	5
1050050118	50	84.0	83.0	59.5	2 1/4"	55	0.750	5
1050063119	63	84.0	89.5	62.0	2 1/4"	55	0.728	1
1050063120	63	101.0	95.0	65.5	2 3/4"	67	1.093	1
1050075121	75	100.0	95.0	65.0	2 3/4"	67	1.117	1
1050075122	75	100.0	100.0	70.0	3 1/2"	67	1.436	1



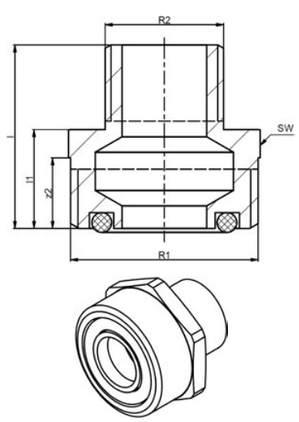
Brass counterpart with female thread

for ISO-standard adapter/loose nut adapter — SDR 6 / 7.4 / 9 / 11

Material: brass

Article no.	l1	L	z2	R1	R2	SW	kg	PU
1050000130	14.0	25.0	15.0	1"	1/2"	25	0.063	10
1050000131	12.5	26.0	14.0	1 1/4"	3/4"	32	0.119	10
1050000132	15.0	31.0	17.0	1 1/2"	1"	40	0.175	5
1050000133	17.0	33.0	22.0	2"	1 1/4"	47	0.263	5
1050000134	20.0	36.0	19.0	2 1/4"	1 1/2"	57	0.333	5
1050000135	24.0	42.0	24.0	2 3/4"	2"	68	0.517	1
9600027522	24.0	46.0	27.0	3 1/2"	2 1/2"	84	0.801	1
9600027524	27.0	46.0	27.0	4"	3"	97	0.943	1

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



Brass counterpart with male thread

for ISO-standard adapter/loose nut adapter — SDR 6 / 7.4 / 9 / 11

Material: brass

Article no.	l1	L	z2	R1	R2	SW	kg	PU
1050000138	17.5	32.5	10.5	1"	1/2"	34	0.109	10
1050000139	21.0	38.5	12.5	1 1/4"	3/4"	42	0.188	10
1050000140	22.5	41.5	13.5	1 1/2"	1"	48	0.211	5
1050000141	22.5	44.5	13.0	2"	1 1/4"	60	0.363	5
1050000142	34.0	56.0	16.0	2 1/4"	1 1/2"	48	0.472	5
1050000143	38.0	63.0	16.0	2 3/4"	2"	62	0.803	1
9600027722	42.0	70.0	22.0	3 1/2"	2 1/2"	82	1.189	1
9600027724	42.0	74.0	22.0	4"	3"	97	1.398	1

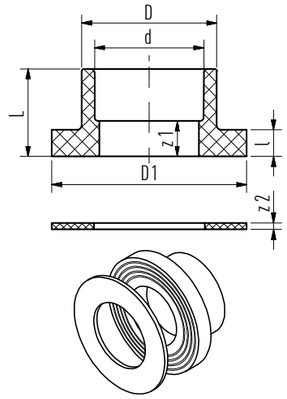
Flange adapter socket welding

with gasket — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	L	l	D	D1	z1	z2	kg	PU
1050032020	32	34.0	10.0	41.0	68.0	16.0	3.0	0.053	1
1050040021	40	35.5	11.0	50.0	78.0	15.0	3.0	0.071	1
1050050022	50	39.5	12.0	61.0	88.0	16.0	3.0	0.071	1
1050063023	63	43.5	14.0	76.0	102.0	16.0	3.0	0.112	1
1050075024	75	46.0	16.0	90.0	122.0	16.0	3.0	0.169	1
1050090025	90	50.0	17.0	108.0	138.0	17.0	3.0	0.261	1
1050110026	110	55.5	18.5	131.0	158.0	18.5	3.0	0.329	1
1050125028	125	63.0	20.0	165.0	188.0	23.0	3.0	0.724	1
1050125027 *	125	195.0	18.5	131.0	158.0	-	3.0	1.180	1

*only use with fitting 125 mm; with 110 mm flange adapter / Suitable flange adapter for shut off valves are available on request.



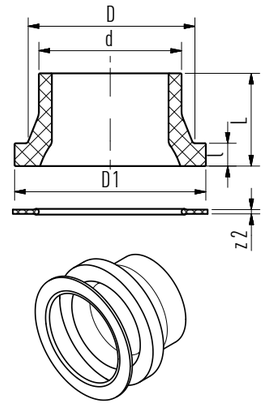
Flange adapter butt welding

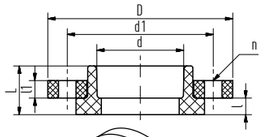
with gasket

Material: fusiolen® PP-RCT
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

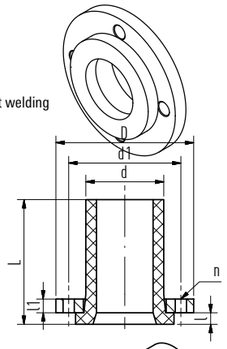
Article no.	d	l	D	D1	L	z2	kg	PU
SDR 11								
1054160030	160	25.0	175.0	212.0	93.0	3.0	0.955	1
1054200032	200	32.0	232.0	268.0	130.0	6.0	1.957	1
1054250034	250	35.0	285.0	320.0	130.0	6.0	2.717	1
1054315035	315	35.0	335.0	370.0	168.0	6.0	6.000	1
1054355036	355	40.0	373.0	430.0	180.0	6.0	7.930	1
1054400037	400	46.0	427.0	482.0	195.0	6.0	12.000	1
1054450038	450	60.0	514.0	585.0	139.0	7.0	15.200	1
SDR 17.6								
2057160100	160	18.0	175.0	212.0	80.0	3.0	0.821	1
2057200101	200	32.0	232.0	268.0	130.0	6.0	1.849	1
2057250102	250	35.0	285.0	320.0	130.0	6.0	2.736	1
2057315103	315	25.0	335.0	370.0	168.0	6.0	4.500	1
2057355104	355	30.0	373.0	430.0	184.0	6.0	7.000	1
2057400105	400	33.0	427.0	482.0	195.0	6.0	7.360	1
2057450106	450	46.0	514.0	585.0	142.0	7.0	10.400	1
2057500107	500	46.0	530.0	585.0	138.0	7.0	8.700	1
2057630108	630	50.0	642.0	685.0	140.0	7.0	12.530	1

Up to 160 mm EPDM-gasket without steel ring insert. From 200 mm EPDM-gasket with steel ring insert.
Suitable flange adapter for shut off valves available on request.

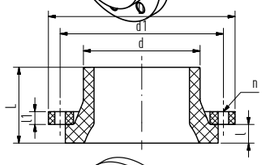




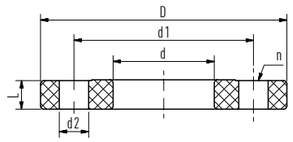
socket welding

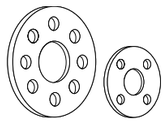


SDR 6 / 7.4 / 9 / 11 / 17.6



butt welding





Flange adapter incl. Flange PN6

without gasket

Material: Flange: steel galvanised, Flange adapter: fusiolen® PP-R
Standards: Flange according to DIN 2641
Colour: Flange: black / Flange adapter: green

Article no.	d	D	d1	l	l1	L	n	kg	PU
SDR 6 / 7.4 / 9 / 11 / 17.6 — socket welding									
1050032001	**32**	**100.0**	**75.0**	**10.0**	**10.0**	**34.0**	**4**	**1.090**	**1**
1050040002	**40**	**120.0**	**90.0**	**11.0**	**10.0**	**35.5**	**4**	**1.170**	**1**
1050050003	**50**	**130.0**	**100.0**	**12.0**	**10.0**	**39.5**	**4**	**1.360**	**1**
1050063004	**63**	**140.0**	**110.0**	**14.0**	**10.0**	**43.5**	**4**	**0.886**	**1**
1050075005	**75**	**160.0**	**130.0**	**16.0**	**10.0**	**46.0**	**4**	**1.148**	**1**
1050090006	**90**	**190.0**	**150.0**	**17.0**	**10.0**	**50.0**	**4**	**1.618**	**1**
1050110007	**110**	**210.0**	**170.0**	**18.5**	**10.0**	**55.5**	**4**	**1.824**	**1**
1050125009	**125**	**240.0**	**200.0**	**20.0**	**12.0**	**63.0**	**4**	**3.945**	**1**
SDR 6 / 7.4 / 9 / 11 / 17.6									
1050125008 *	**125**	**210.0**	**170.0**	**18.5**	**10.0**	**195.0**	**8**	**2.715**	**1**
SDR 11 — butt welding									
1050160010	**160**	**265.0**	**225.0**	**25.0**	**12.0**	**93.0**	**8**	**4.136**	**1**
1050200011	**200**	**320.0**	**280.0**	**32.0**	**12.0**	**130.0**	**8**	**6.694**	**1**
1050250012	**250**	**375.0**	**335.0**	**35.0**	**12.0**	**130.0**	**8**	**9.500**	**1**

d = Connection dimension, d1 = hole-circle, PN 6 = Flange according to DIN 2641
*125 mm Fitting with 110 mm, flange adapter incl. flange PN6 use only in combination with a fitting

Plastic coated steel flange

SDR 6 / 7.4 / 9 / 11 / 17.6

Material: PP / steel
Standards: Flange according to DIN EN 1092, DIN 2501
Colour: grey

Article no.	fitting Art. no.	Ø	DN	d	d1	D	d2	L	n	kg	PU
1040032130	**1050032020**	**32**	**25**	**42.0**	**85.0**	**116.0**	**14.0**	**15.5**	**4**	**0.469**	**1**
1040040131	**1050040021**	**40**	**32**	**51.0**	**100.0**	**141.0**	**18.0**	**17.5**	**4**	**0.722**	**1**
1040050132	**1050050022**	**50**	**40**	**62.0**	**110.0**	**151.0**	**18.0**	**17.5**	**4**	**0.770**	**1**
1040063133	**1050063023**	**63**	**50**	**78.0**	**125.0**	**166.0**	**18.0**	**19.0**	**4**	**0.911**	**1**
1040075134	**1050075024**	**75**	**65**	**92.0**	**145.0**	**186.0**	**18.0**	**19.0**	**4**	**1.132**	**1**
1040090135	**1050090025**	**90**	**80**	**110.0**	**160.0**	**201.0**	**18.0**	**21.0**	**8**	**1.356**	**1**
1040110136	**1050110026** **1050125027**	**110**	**100**	**133.0**	**180.0**	**221.0**	**18.0**	**22.0**	**8**	**1.475**	**1**
1040125137	**1050125028** **(125 mm)**	**125**	**125**	**167.0**	**210.0**	**251.0**	**18.0**	**26.0**	**8**	**2.082**	**1**
1040160138	**1052160029** **1054160030**	**160**	**150**	**178.0**	**240.0**	**286.0**	**22.0**	**27.0**	**8**	**3.671**	**1**
1040200139 *	**1052200031** **1054200032**	**200**	**200**	**235.0**	**295.0**	**341.0**	**22.0**	**28.0**	**8**	**4.709**	**1**
1040250140 *	**1052250033** **1054250034**	**250**	**250**	**288.0**	**350.0**	**406.0**	**22.0**	**31.0**	**12**	**7.094**	**1**
1040315141 *	**1054315035**	**315**	**300**	**340.0**	**400.0**	**460.0**	**22.0**	**33.5**	**12**	**9.500**	**1**
1040355142 *	**1054355036**	**355**	**350**	**376.0**	**460.0**	**520.0**	**22.0**	**39.0**	**16**	**15.300**	**1**
1040400143 *	**2057400105**	**400**	**400**	**430.0**	**515.0**	**565.0**	**26.0**	**34.0**	**16**	**19.680**	**1**
**1040450144 ** **	**2057450106**	**450**	**500**	**517.0**	**620.0**	**670.0**	**26.0**	**42.0**	**20**	**22.880**	**1**
**1040500145 ** **	**2057500107**	**500**	**500**	**533.0**	**620.0**	**670.0**	**26.0**	**38.0**	**20**	**19.000**	**1**
**1040630146 ** **	**2057630108**	**630**	**600**	**645.0**	**725.0**	**785.0**	**30.0**	**40.0**	**20**	**25.800**	**1**

d = Connection dimension, d1 = hole-circle, PN10/16= Flange according to DIN EN1092, DIN2501
*Flange PN16 200 – 630 mm (Art. no. 9700015934–9700015954) available on request.
**Material: steel/epoxy

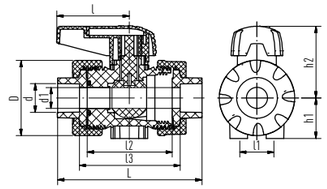
PP-ball valve, with union nut and welding socket

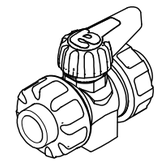
SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R
Colour: green

Article no.	d	d1	D	h1	h2	l1	l2	l3	L	l	kg	PU
1090020052	**20**	**13.5**	**50.3**	**27.0**	**48.0**	**25.0**	**56.5**	**68.0**	**97.0**	**48.0**	**0.118**	**1**
1090025053	**25**	**18.5**	**59.0**	**30.0**	**56.5**	**25.0**	**65.5**	**78.0**	**110.0**	**59.0**	**0.184**	**1**
1090032054	**32**	**23.9**	**70.3**	**40.0**	**64.5**	**26.0**	**72.0**	**84.5**	**120.5**	**59.0**	**0.274**	**1**
1090040055	**40**	**31.0**	**85.9**	**46.0**	**83.3**	**45.0**	**85.0**	**100.0**	**141.0**	**63.5**	**0.483**	**1**
1090050056	**50**	**38.5**	**99.5**	**55.0**	**89.4**	**45.0**	**89.0**	**107.0**	**154.0**	**63.5**	**0.648**	**1**
1090063057	**63**	**50.0**	**125.5**	**70.0**	**115.0**	**45.0**	**101.0**	**118.0**	**173.0**	**108.0**	**1.206**	**1**

Also suitable for vacuum pipes.





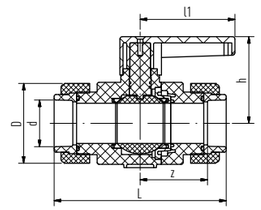
PP-ball valve, with union nut and welding socket

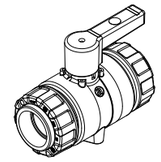
SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R
Colour: green

Article no.	d	D	h	l	l1	L	z	kg	PU
1090075051	**75**	**129.0**	**139.0**	**138.0**	**152.0**	**276.0**	**108.0**	**2.441**	**1**

Also suitable for vacuum pipes.





PP-ball valve, with flange connection on both sides

SDR 6 / 7.4 / 9 / 11 / 17.6

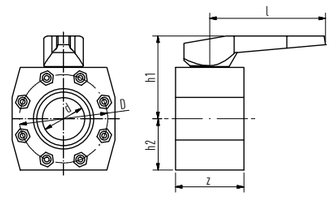
Material: fusiolen® PP-R
Colour: green

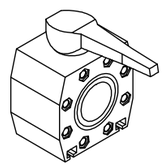
Article no.	for Ø	d	l	D	z	h1	h2	kg	PU
1090090058	**90**	**77.0**	**210.0**	**160.0**	**124.0**	**150.0**	**93.0**	**4.196**	**1**
1090110059	**110**	**94.0**	**260.0**	**180.0**	**145.0**	**165.0**	**103.0**	**5.612**	**1**
1090160060	**160**	**135.0**	**310.0**	**240.0**	**205.0**	**210.0**	**136.5**	**13.420**	**1**

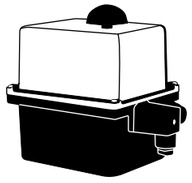
Also suitable for vacuum pipes.

For dimension 125 mm the PP-ball valve Art. no. 1090110059 with flange adapter Art. no. 1050125027 and flange Art. no. 1040110136 is used. For connection with aquatherm green weldable flange adapter (Art. no. 3050090006 – 1054160030) and aquatherm green plastic coated steel flange (Art. no. 1040090135 – 1040160138). Hexagon screw M 16x60 mm for Art. no. 1090090058/1090110059 Hexagon screw M 20x80 mm for Art. no. 1090110059 corresponding flat washer M 16.

NOTICE: These are not included in the above articles.





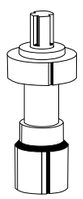


Electrical drive for ball valve

Colour: black / red

for article no. 1090020052 – 1090063057 (*for article no. 1090090058 – 1090110059)

Article no.	Dimension	for Article no.	kg	PU
230 Volt				
9700041489	20	incl. fixtures for 1090020052	1.500	1
9700041491	25	incl. fixtures for 1090025053	1.600	1
9700041493	32	incl. fixtures for 1090032054	1.600	1
9700041495	40	incl. fixtures for 1090040055	1.600	1
9700041497	50	incl. fixtures for 1090050056	1.700	1
9700041499	63	incl. fixtures for 1090063057	1.700	1
9700041603 *	90	incl. fixtures for 1090090058	3.300	1
9700041605 *	110	incl. fixtures for 1090110059	3.400	1
9700041608 *	160	incl. fixtures for 1090160060	3.700	1
24 Volt				
9700041589	20	incl. fixtures for 1090020052	1.500	1
9700041591	25	incl. fixtures for 1090025053	1.600	1
9700041593	32	incl. fixtures for 1090032054	1.600	1
9700041595	40	incl. fixtures for 1090040055	1.600	1
9700041597	50	incl. fixtures for 1090050056	1.700	1
9700041599	63	incl. fixtures for 1090063057	1.700	1
9700041703 *	90	incl. fixtures for 1090090058	3.300	1
9700041705 *	110	incl. fixtures for 1090110059	3.400	1
9700041708 *	160	incl. fixtures for 1090110059	3.700	1

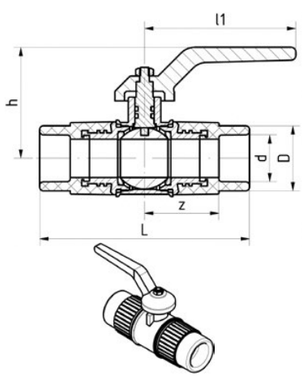


Extension for ball valve

Material: PVC
Colour: grey

for article no. 1090020052– 1090160060

Article no.	l	kg	PU
9700098900	100	0.020	1
9700098901	100	0.025	1
9700098902	100	0.030	1
9700098903	100	0.125	1



Ball valve PP/brass

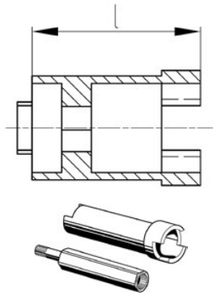
Material: fusiolen® PP-R, brass
Colour: green

Article no.	d	l1	D	L	h	z	kg	PU
1050020174	20	79.0	29.5	11.0	56.00	40.5	0.280	1
1050025175	25	79.0	34.0	11.0	58.00	39.0	0.375	1
1050032176	32	103.0	43.0	127.0	66.00	45.5	0.592	1
1050040177	40	104.0	52.0	145.0	71.00	52.0	1.015	1
1050050178	50	14.0	68.0	167.0	79.00	6.0	1.689	1
1050063179	63	14.0	84.0	205.0	88.00	75.0	2.874	1

Extension for aquatherm green ball valve

Material: brass
Colour: chrome

Article no.	l	for	kg	PU
1050000180	35.0	1050020174-1050025175	0.120	1
1050000181	35.0	1050032176-1050040177	0.120	1
1050000182	46.0	1050050178-1050063179	0.273	1

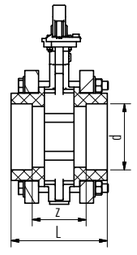


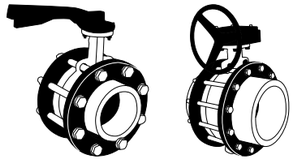
aquatherm blue shut-off valve

Material: fusiolen® PP-R, steel
Colour: blue

with lever or with drive

Article no.	d	L	z	kg	PU
with lever or with drive for SDR 6 / 7.4 / 9 / 11 / 17.6 — socket welding					
9702041820	75	138.0	78.0	6.763	1
9702041822	90	146.0	80.0	9.134	1
9702041824	110	163.0	89.0	10.400	1
9702041826	125	184.0	104.0	15.600	1
with lever or with drive for SDR 11 — butt welding					
9702041830	160	242.0	227.0	22.000	1
with lever or with drive for SDR 17.6					
9702541830	160	242.0	227.0	21.700	1
with drive for SDR 11					
9702041834	200	320.0	305.0	41.400	1
9702041838	250	328.0	313.0	59.200	1
9702041842	315	432.0	412.0	81.800	1
with drive for SDR 17.6					
9702541834	200	320.0	305.0	40.900	1
9702541838	250	328.0	313.0	58.400	1
9702541842	315	432.0	412.0	78.600	1



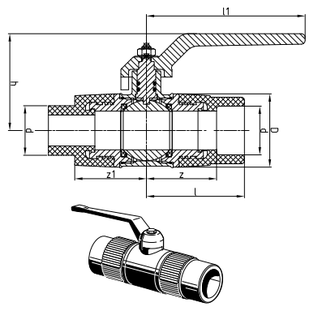


Ball valve for manifold

Material: fusiolen® PP-R / brass
Colour: green

female/male, socket welding — SDR 6 / 7.4 / 9 / 11

Article no.	d	l	l1	D	z	z1	H	kg	PU
1050032189	32	63.0	108.0	47.5	45.0	46.5	78.0	0.575	2

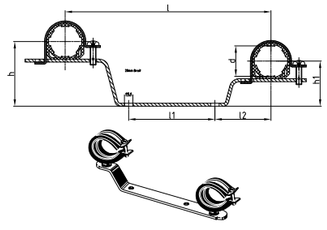


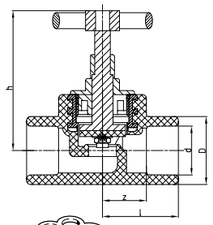
Supporting strap for four-port manifold

Material: steel/galvanised
Colour: zinc

with clamps, galvanised, double

Article no.	d	l	l1	l2	h	h1	kg	PU
9600060210	32	210.0	80.0	57.0	66.0	46.0	0.226	2



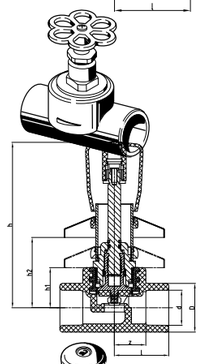


Globe valve

for surface installation, socket welding — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass
Colour: green

Article no.	d	l	D	z	h	kg	PU
1090020040	20	35.0	29.5	20.5	75.3	0.165	1
1090025041	25	38.0	34.0	22.0	75.0	0.172	1
1090032042	32	49.0	43.0	31.0	97.0	0.314	1
1090040043	40	60.0	52.0	39.5	111.5	0.585	1

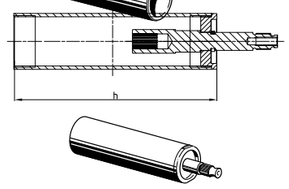


Concealed valve, chromium plated

socket welding — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass
Colour: green

Article no.	d	l	D	z	h	h1	H2	kg	PU
1050020150	20	35.0	29.5	20.5	116.0	28.0	59.0	0.319	1
1050025151	25	38.0	34.0	22.0	116.0	28.0	59.0	0.330	1
1050032152	32	49.0	43.0	31.0	121.0	34.0	59.0	0.416	1

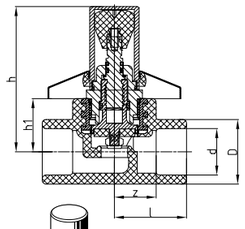


Extension for concealed valve

chromium-plated for art. no. 1050020150-1050032152

Material: brass
Colour: chrome

Article no.	H	kg	PU
9600040900	92.0	0.148	1
9600040902	132.0	0.209	1

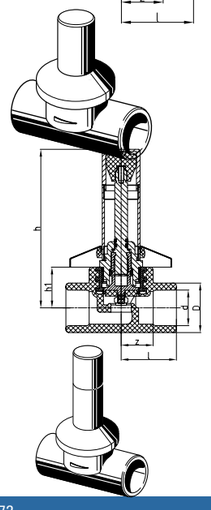


Concealed valve, tamper proof

chromium-plated / short design, socket welding — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass
Colour: green, chrome

Article no.	d	l	D	z	h	h1	kg	PU
1050020153	20	35.0	29.5	20.5	71.5	28.0	0.258	1
1050025154	25	38.0	34.0	22.0	72.0	28.0	0.288	1
1050032155	32	49.0	43.0	31.0	82.5	34.0	0.376	1



Concealed valve, tamper proof

chromium-plated / long design, socket welding — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass
Colour: green, chrome

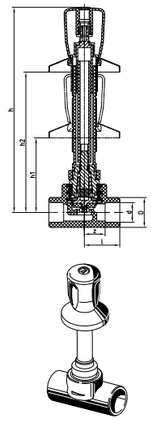
Article no.	d	l	D	z	h	h1	kg	PU
1050020159	20	35.0	29.5	20.5	109.0	28.0	0.342	1
1050025160	25	38.0	34.0	22.0	109.0	28.0	0.350	1
1050032161	32	49.0	43.0	31.0	115.0	34.0	0.432	1

Concealed valve, construction depth 55–100 mm

suitable for construction depth 55 mm to 100 mm, socket welding
SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass
Colour: green, chrome

Article no.	d	l	D	z	h	h1	h2	kg	PU
1050020156	20	35.0	29.5	20.5	213.0	59.0	147.0	0.357	1
1050025157	25	38.0	34.0	22.0	213.0	59.0	147.0	0.369	1
1050032158	32	49.0	43.0	31.0	219.0	65.0	153.0	0.455	1

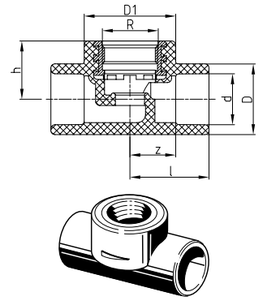


Stop valve body

socket welding

Material: fusiolen® PP-R / brass
Colour: green

Article no.	d	l	D	D1	z	h	R	kg	PU
1090020046	20	35.0	29.5	44.0	20.0	28.0	3/4“	0.082	1
1090025047	25	38.0	34.0	44.0	22.0	28.0	3/4“	0.101	1
1090032048	32	49.0	43.0	52.0	31.0	34.0	1“	0.146	1
1090040049	40	60.0	52.0	69.0	39.5	41.0	1 1/4“	0.313	1

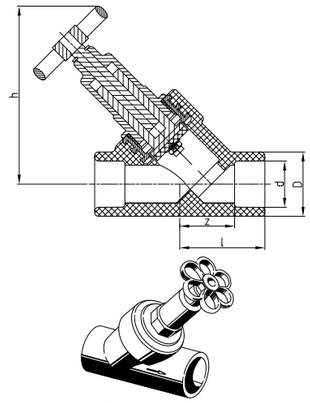


Inclined valve

without drain, socket welding — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass
Colour: green

Article no.	d	l	D	z	h	kg	PU
1050020162	20	45.0	34.0	30.5	95.5	0.294	1
1050025163	25	45.0	34.0	29.0	95.5	0.283	1
1050032164	32	56.0	43.0	38.0	111.5	0.421	1
1050040165	40	65.0	52.0	44.5	135.0	0.834	1

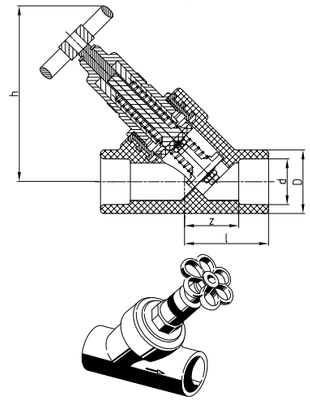


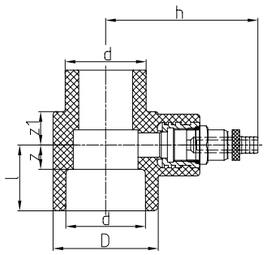
Non-return valve

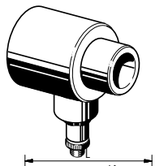
without drain, socket welding — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass
Colour: green

Article no.	d	l	D	z	h	kg	PU
1050020170	20	45.0	34.0	30.5	95.5	0.297	1
1050025171	25	45.0	34.0	29.0	95.5	0.292	1
1050032172	32	56.0	43.0	38.0	111.5	0.432	1
1050040173	40	65.0	52.0	44.5	135.0	0.840	1





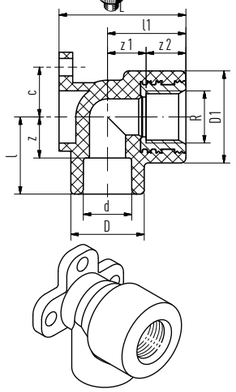


Draining branch

to weld in aquatherm green valves, socket welding
SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass
Colour: green

Article no.	d	l	D	z	z1	h	kg	PU
1050020183	20	26.0	34.0	11.5	16.5	71.0	0.098	1
1050025184	25	26.0	34.0	10.0	16.5	71.0	0.096	1
1050032185	32	32.0	43.0	14.0	17.0	74.5	0.118	1
1050040186	40	32.5	52.0	12.0	16.5	80.5	0.140	1
1050050187	50	39.0	68.0	15.5	17.0	88.0	0.202	1
1050063188	63	44.0	84.0	16.5	16.5	96.0	0.288	1



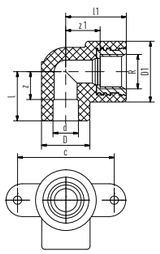
Back plate elbow

brass (*stainless steel), socket welding — SDR 6 / 7.4 / 11

Material: fusiolen® PP-R / brass or stainless steel
Standards: DIN 1692, DIN EN ISO 15874
Colour: green

Article no.	d	R	l	l1	D	D1	L	z	z1	z2	c	kg	PU
1040020151	20	1/2"	31.0	31.5	29.5	37.0	51.0	16.5	18.5	13.0	20.0	0.079	10
1040020152	20	3/4"	37.0	37.0	34.0	44.0	54.0	22.5	24.0	13.0	-	0.106	10
1040025153	25	3/4"	37.0	37.0	34.0	44.0	54.0	21.0	24.0	13.0	-	0.105	10
1040025154	25	1/2"	33.5	31.0	34.0	37.0	53.0	17.5	18.0	13.0	20.0	0.080	10
1090020070 *	20	1/2"	31.0	31.5	29.5	37.0	51.0	16.5	18.5	13.0	20.0	0.084	10
1090020071 *	20	3/4"	37.0	37.0	34.0	44.0	54.0	22.5	24.0	13.0	-	0.101	10
1090025072 *	25	3/4"	37.0	37.0	34.0	44.0	54.0	21.0	24.0	13.0	-	0.111	10
1090025073 *	25	1/2"	33.5	31.0	34.0	37.0	53.0	17.5	18.0	13.0	20.0	0.076	10

*stainless steel



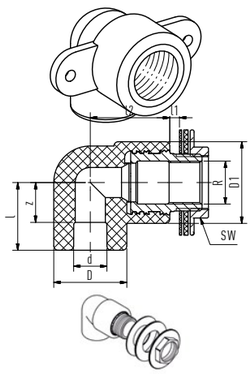
Back plate elbow for dry construction

brass (*stainless steel), socket welding — SDR 6 / 7.4 / 11

Material: fusiolen® PP-R / brass or stainless steel
Standards: DIN 16962, DIN EN ISO 15874
Colour: green or stainless steel

Article no.	d	l	l1	D	D1	z	z1	R	kg	PU
1040020156	20	30.0	37.0	29.5	37.0	15.5	24.0	1/2"	0.079	10
1090020074 *	20	30.0	37.0	29.5	37.0	15.5	24.0	1/2"	0.078	10

*stainless steel



Transition piece with counternut

with gasket and tension washer, socket welding — SDR 6 / 7.4 / 11

Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	l1	l2	D	D1	z	R	SW	kg	PU
1050020062	20	37.0	3.5	35.0	29.5	44.0	22.5	1/2"	29	0.154	10
1050025063	25	37.0	3.5	37.0	34.0	44.0	21.0	1/2"	29	0.206	10

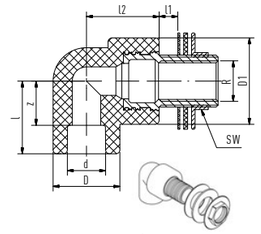
Transition elbow for plasterboard

socket welding, SDR 6 / 7.4 / 11

Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	l1	l2	D	D1	z	R	SW	kg	PU
1050020064	20	37.0	18.5	35.0	29.5	44.0	22.5	1/2"	29	0.223	10

with 30 mm thread, counternut, gasket and tension washer

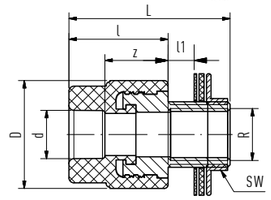


Transition piece with counternut

with gasket and tension washer, socket welding — SDR 6 / 7.4 / 11

Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

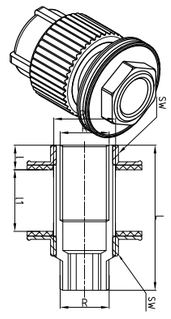
Article no.	d	l	l1	D	L	z	R	SW	kg	PU
1050020060	20	40.0	13.5	43.5	65.0	25.5	1/2"	29	0.204	10



Dry construction wall fitting

Material: brass

Article no.	R	R1	l	l1	L	SW	kg	PU
9600020114	1/2"	3/4"	10.5	26.0	62.0	30	0.213	10

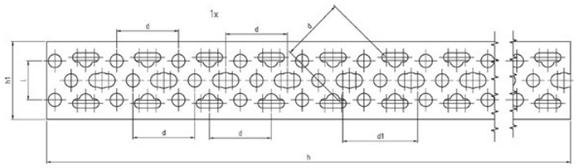


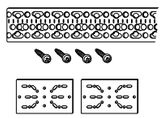
Mounting plate galvanised

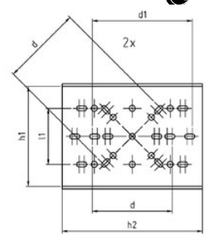
to fix back plate elbows as double connection including 2 fixing plates and 4 screws

Material: iron / galvanised

Article no.	d	d1	l	l1	h	h1	h2	kg	PU
7050000016	40	50.0	25	28.0	560	50	70	0.546	1



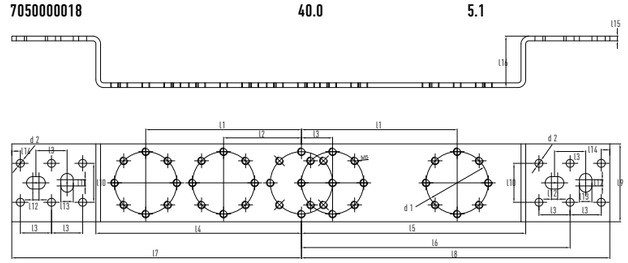


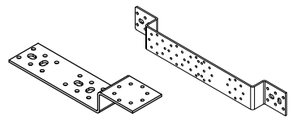


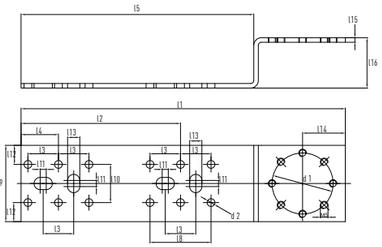
Mounting rail (double and single)

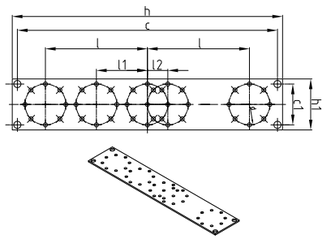
Material: iron / galvanised

Article no.	d1	d2	kg	PU
7050000017	40.0	5.1	0.412	2
7050000018	40.0	5.1	0.235	2









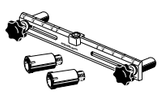
Mounting plate galvanised

Material: Iron / galvanised

to fix back plate elbows as double connection

Article no.	d	l	l1	l2	c	c1	h	h1	kg	PU
7050000020	40	100	50.0	20.0	255	40	265	50	0.221	1

not suitable for connection with sound insulation plate (art. no. 7020000015). We recommend mounting rail art. no. 7050000016

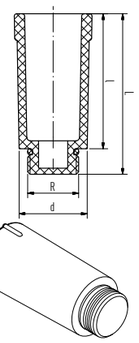


Assembling jig

Material: fusiolen® PP-R
Colour: green

as water level with 2 plugs 1/2"

Article no.	kg	PU
9800050700	0.252	1

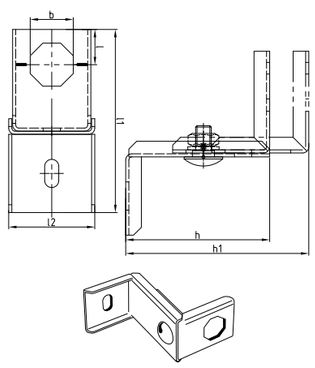


Plug for pressure tests

Material: fusiolen® PP-R
Colour: green

with gasket

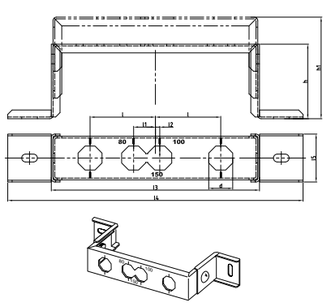
Article no.	d	l	L	R	kg	PU
9800050708	28	55.5	66.0	1/2"	0.022	10
9800050710	34	55.5	66.0	3/4"	0.027	10



Mounting unit, single

Material: Iron / galvanised

Article no.	B	l	l1	l2	h	h1	kg	PU
7050000002	27.5	118	22.5	55.0	92.5	122.5	0.278	1



Mounting unit, double

Material: Iron / galvanised

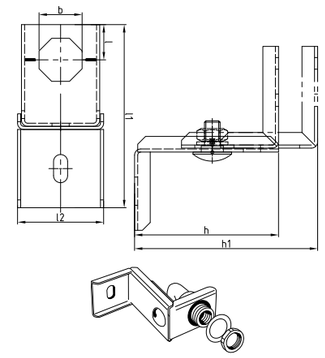
Article no.	b	l	l1	l2	h	h1	l3	l4	l5	kg	PU
7050000001	27.5	75	25.0	5.0	92.5	122.5	239.0	339	55	0.630	1

Mounting unit with one aquatherm green transition elbow

Material: fusiolen® PP-R / brass, Iron / galvanised

with one aquatherm green transition elbow, with counternut, gasket and tension washer

Article no.	b	l	l1	l2	h	h1	kg	PU
7050000004	27.5	22.5	118.0	55.0	92.5	122.5	0.434	1

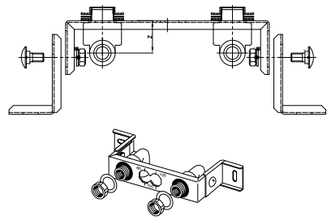


Mounting unit with two aquatherm green transition elbows

Material: fusiolen® PP-R / brass, Iron / galvanised

with two aquatherm green transition elbows, with counternut, gasket and tension washer

Article no.	b	l	l1	l2	h	h1	l3	l4	l5	kg	PU
7050000003	27.5	75	25.0	5.0	92.5	122.5	239.0	339	55	0.942	1



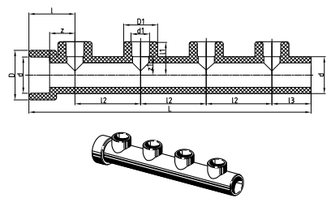
Four-port manifold

Material: fusiolen® PP-R
Colour: green

length: 246 mm, with 4 branches — SDR 6 / 7.4 / 9 / 11

Article no.	d	d1	l	l1	l2	l3	D	D1	L	z	z1	kg	PU
1090032032	32	16.0	40	29.0	57.0	36.0	43.0	29.5	245.0	22.0	16	0.148	1
1090032033	32	20.0	40	29.0	57.0	36.0	43.0	29.5	245.0	22.0	14.5	0.134	1

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



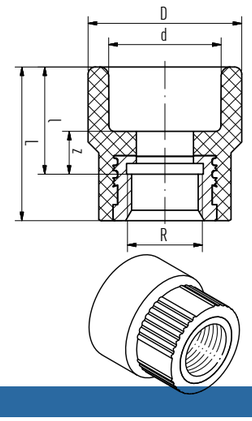
Manifold end piece with female thread

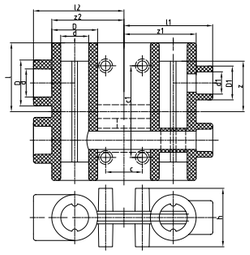
Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

SDR 6 / 7.4 / 9 / 11

Article no.	d	l	D	L	z	R	kg	PU
1090032034	32	30.0	43.0	43.0	12.0	1/2"	0.073	1

Transition piece as manifold endpiece with female thread





Distribution block plumbing

including 1 plug and 2 fasteners — SDR 6 / 7.4 / 11

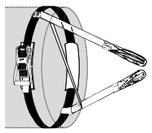
Material: fusiolen® PP-R
Colour: green

Article no.	d	d1	l	l1	l2	D	D1	z	z1	z2	c	c1	cl	l3	h	kg	PU
1050025016	25	20.0	60	77.5	79.0	40.0	29.5	44.0	63	63.0	32	80	100	36.0	51	0.273	1

Chain hoist

Tools for assembling push-in couplings

Article no.	kg	PU
9800050530	2.800	1



Tension band

width 50 mm including towing eyes. For fixing the pipe when assembling push-in couplings

Article no.	kg	PU
9800050533	2.500	1

50 mm incl. towing eyes

Brush

for applying lubricant when assembling push-in coupling systems

Article no.	kg	PU
9800050534	0.045	1

Lubricant

250 ml for use when assembling push-in coupling systems

Article no.	kg	PU
9800050535	0.280	1

Adhesive tape to protect against UV-radiation

Dimension 50 mm x 10 m

Article no.	kg	PU
9700010871	0.133	1

aquatherm-PP-Primer

for aquatherm PP pipes

Article no.	Container	kg	PU
9700050230	Container: 1l	0.994	1
9700050231	Container: 10l	9.269	1

aquatherm special top coat

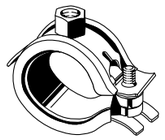
for aquatherm PP-pipes

Article no.	Container	kg	PU
9700050232	black Container: 2,5l	3.007	1
9700050233	white Container: 2,5l	3.436	1

Pipe clamps

suitable for sliding and fixed point installation

Material: steel

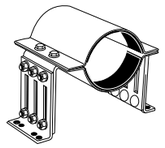


Article no.	for pipe diameters	kg	PU
9600060520	20	0.048	50
9600060525	25	0.051	50
9600060532	32	0.060	50
9600060540	40	0.067	50
9600060550	50	0.079	50
9600060563	63	0.091	25
9600060575	75	0.105	25
9600060590	90	0.128	25
9600060594	110	0.155	25
9600060595	125	0.212	25
9600060597	160	0.342	25
9600060650	200	1.014	1
9600060654	250	1.193	1
9600060658	315	1.618	1
9600060660	355	1.920	1

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

Pipe clamps suitable for fixed point installation

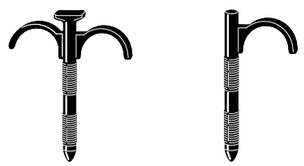
Material: steel



Article no.	for pipe diameters	kg	PU
9600060768	160	8.548	1
9600060770	200	9.449	1
9600060774	250	19.367	1
9600060778	315	22.753	1
9600060780	355	24.840	1
9600060782	400	43.642	1
9600060784	450	46.253	1
9600060786	500	48.865	1
9600060790	630	55.659	1

Pipe fastening bow 16-32 mm

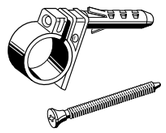
Material: PA



Article no.	for pipe diameters	kg	PU
7020016005	for pipes 16-32 mm L=45 mm	0.005	50
7020016006	for pipes 16-32 mm L=75 mm	0.007	50
7020016007	for pipes 16-32 mm L=45 mm	0.007	50
7020016008	for pipes 16-32 mm L=75 mm	0.009	50

Plastic pipe clamps 16-40 mm

Material: fusiolen® PP-R



Article no.	for pipe diameters	kg	PU
7090020011	for pipes 20 mm	0.008	50
7090025012	for pipes 25 mm	0.016	30
7090032013	for pipes 32 mm	0.017	30
7040040014	for pipes 40 mm	0.020	30

aquatherm green

Pipe system made of polypropylene

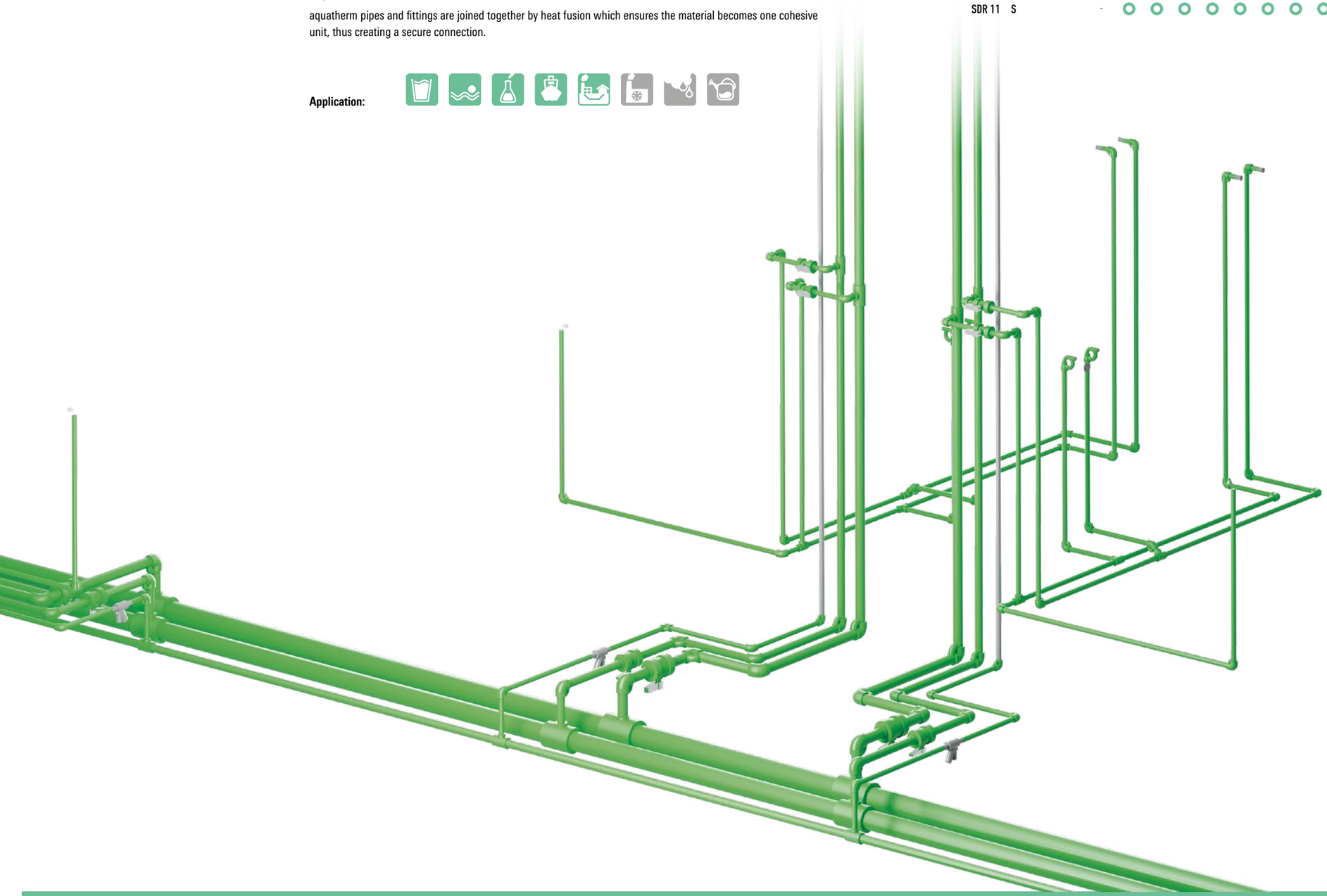
aquatherm green has revolutionised the plastic piping sector and has been shaping it for decades.

The innovative all-rounder made of corrosion-resistant polypropylene shows its advantages due to its excellent ecological properties, especially in the field of drinking water applications, as it is completely free of heavy metals and toxic chemicals.

aquatherm green is also suitable for swimming pools, agriculture, shipbuilding or the transport of chemicals considering the chemical resistance.

aquatherm pipes and fittings are joined together by heat fusion which ensures the material becomes one cohesive unit, thus creating a secure connection.

Application:



For potable water supply

	16	20	25	32	40	50	63	75	90	110	125	160	200	250	315
SDR 6 S	·	O	O	O	O	O	O	O	O	O	·	·	·	·	·
SDR 7.4 S	·	O	O	O	O	O	O	·	·	·	·	·	·	·	·
SDR 7.4 MF	·	O	O	O	·	·	·	·	·	·	·	·	·	·	·
SDR 7.4 MF UV	·	O	O	O	·	·	·	·	·	·	·	·	·	·	·
SDR 9 MF RP	·	·	·	O	O	O	O	O	O	O	O	O	O	O	O
SDR 9 MF RP UV	·	·	·	O	O	O	O	O	O	O	O	O	O	O	O
SDR 9 MF RP ENERGY	·	·	·	O	O	O	O	O	O	O	O	O	O	O	O
SDR 11 S	·	O	O	O	O	O	O	O	O	O	O	O	O	O	O

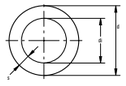
Legend table abbreviations:

d	diameter in mm
D	diameter in mm
s	wall thickness in mm
di	internal diameter in mm
l/m	water content in litres/metres
kg/m	weight data in kg per metre
DN	diameter nominal
PU	packing unit in metre
SDR	standard dimension ratio
lengths	units in mm unless otherwise specified

aquatherm green SDR 6 / 7.4 S

S = single-layer
socket welding

Material: fusiolen® PP-R
Pipe series: SDR 6 / S 2,5
Standards: DIN 8077. DIN 8078, DIN EN ISO 15874, ASTM F 2389, CSA B 137.11
Colour: green
Packing unit: 4 m straight lengths



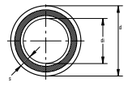
Article no.	d	s	di	l/m	kg/m	DN	PU [m]
SDR 6							
1011020006	20	3.4	13.2	0.137	0.174	12	100
1011025008	25	4.2	16.6	0.216	0.268	15	100
1011032010	32	5.4	21.2	0.353	0.437	20	40
1011040012	40	6.7	26.6	0.555	0.675	25	40
1011050014	50	8.3	33.4	0.876	1.047	32	20
1011063016	63	10.5	42.0	1.385	1.662	40	20
1011075018	75	12.5	50.0	1.963	2.351	50	20
1011090020	90	15.0	60.0	2.826	3.379	60	12
1011110022	110	18.3	73.4	4.229	5.040	65	8
1011016303 *	16	2.7	10.6	0.088	0.111	10	100
1011020306 *	20	3.4	13.2	0.137	0.174	12	100
1011025308 *	25	4.2	16.6	0.216	0.268	15	100
SDR 7.4							
1012020006	20	2.8	14.4	0.163	0.149	15	100
1012025008	25	3.5	18.0	0.254	0.232	20	100
1012032010	32	4.4	23.2	0.423	0.372	25	40
1012040012	40	5.5	29.0	0.660	0.578	32	40
1012050014	50	6.9	36.2	1.029	0.901	40	20
1012063016	63	8.6	45.8	1.647	1.416	50	20
1012016303 *	16	2.2	11.6	0.106	0.096	12	100
1012020306 *	20	2.8	14.4	0.163	0.149	15	100

*Packing unit: in coils

aquatherm green SDR 7.4 MF

MF = multi-layer, fibre-reinforced

Material: fusiolen® PP-R
Pipe series: SDR 7.4 / S 3.2
Standards: SKZ HR 3.28, ASTM F 2389, CSA B 137.11, ISO 21003, SKZ A314/616
Colour: green with 4 dark green stripes
Packing unit: 4 m straight lengths



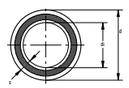
Article no.	d	s	di	l/m	kg/m	DN	PU [m]
socket welding							
1012020506	20	2.8	14.4	0.163	0.157	15	100
1012025508	25	3.5	18.0	0.254	0.244	20	100
1012032510	32	4.4	23.0	0.423	0.391	25	40
1012040512	40	5.5	28.8	0.660	0.608	32	40
1012050514	50	6.9	36.2	1.029	0.948	40	20
1012063516	63	8.6	45.6	1.647	1.490	50	20
1012075518	75	10.3	54.4	2.323	2.120	-	20
1012090520	90	12.3	65.4	3.358	3.037	65	12
1012110522	110	15.1	79.8	4.999	4.546	80	8
1012125524	125	17.1	90.8	6.472	5.850	-	4
butt welding							
1012160526	160	21.9	116.2	10.599	9.559	125	5.8
1012200528	200	27.4	145.2	16.558	14.944	150	5.8
1012250530	250	34.2	181.6	25.901	23.312	175	5.8

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

aquatherm green SDR 7.4 MF UV

MF = multi-layer, fibre-reinforced
UV = UV-resistant

Material: fusiolen® PP-R
Pipe series: SDR 7.4 / S 3.2
Standards: SKZ HR 3.28, ASTM F 2389, CSA B 137.11, ISO 21003, SKZ A314/616
Colour: inner layer: green / outer layer: black
Packing unit: ø 20 – 125 mm straight lengths 4 m
ø 160 – 250 mm straight lengths 5.8 m



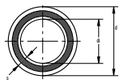
Article no.	d	s	di	l/m	kg/m	DN	PU [m]
socket welding							
1212020006	20	2.8	14.4	0.163	0.210	15	100
1212025008	25	3.5	18.0	0.254	0.314	20	100
1212032010	32	4.4	23.0	0.423	0.485	25	40
1212040012	40	5.5	28.8	0.660	0.728	32	40
1212050014	50	6.9	36.2	1.029	1.101	40	20
1212063016	63	8.6	45.6	1.647	1.686	50	20
1212075018	75	10.3	54.4	2.323	2.347	-	20
1212090020	90	12.3	65.4	3.358	3.378	65	12
1212110022	110	15.1	79.8	4.999	5.054	80	8
1212125024	125	17.1	90.8	6.472	6.494	-	4
butt welding							
1212160026	160	21.9	116.2	10.599	9.859	100	5.8
1212200028	200	27.4	145.2	16.550	15.273	150	5.8
1212250030	250	34.2	181.6	25.888	23.630	175	5.8

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

aquatherm green SDR 9 MF RP

MF = multi-layer, fibre-reinforced
RP = raised pressure resistance

Material: fusiolen® PP-R / PP-RCT
Pipe series: SDR 9 / S 4
Standards: SKZ HR 3.28, ASTM F 2389, ISO 21003, SKZ A632/A644
Colour: green with 4 dark green stripes
Packing unit: Ø 32 – 125 mm 4 m straight lengths
160 – 315 mm 5.8 m straight lengths



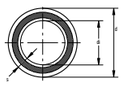
Article no.	d	s	di	l/m	kg/m	DN	PU [m]
socket welding							
1013032010	32	3.6	24.8	0.483	0.328	25	40
1013040012	40	4.5	31.0	0.754	0.511	32	40
1013050014	50	5.6	38.8	1.182	0.791	40	20
1013063016	63	7.1	48.8	1.869	1.261	50	20
1013075018	75	8.4	58.2	2.659	1.771	-	20
1013090020	90	10.1	69.8	3.825	2.553	65	12
1013110022	110	12.3	85.4	5.725	3.789	80	8
1013125024	125	14.0	97.0	7.386	4.886	100	4
butt welding							
1013160026	160	17.9	124.2	12.109	7.987	125	5.8
1013200028	200	22.4	155.2	18.908	12.488	150	5.8
1013250030	250	27.9	194.2	29.605	19.422	200	5.8
1013315032	315	35.2	244.6	46.966	30.876	250	5.8

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

aquatherm green SDR 9 MF RP UV

MF = multi-layer, fibre-reinforced
RP = raised pressure resistance
UV = UV-resistant

Material: fusiolen® PP-R / PP-RCT
Pipe series: SDR 9 / S 4
Standards: SKZ HR 3.28, ASTM F 2389, ISO 21003, SKZ A632/A644
Colour: inner layer: green, outer layer: black
Packing unit: 4 m straight lengths

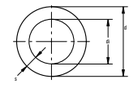


Article no.	d	s	di	l/m	kg/m	DN	PU [m]
socket welding							
1213032010	32	3.6	24.8	0.483	0.422	25	40
1213040012	40	4.5	31.0	0.754	0.630	32	40
1213050014	50	5.6	38.8	1.182	0.944	40	20
1213063016	63	7.1	48.8	1.869	1.457	50	20
1213075018	75	8.4	58.2	2.659	1.998	-	20
1213090020	90	10.1	69.8	3.825	2.894	65	12
1213110022	110	12.3	85.4	5.725	4.397	80	8
1213125024	125	14.0	97.0	7.386	5.530	100	4
butt welding							
1213160026	160	17.9	124.2	12.109	8.287	125	5.8
1213200028	200	22.4	155.2	18.908	12.818	150	5.8

aquatherm green SDR 11 S

S = single-layer

Material: fusiolen® PP-R
Pipe series: SDR 11 / S 5
Standards: DIN 8077 / 78, DIN EN ISO 15874, ASTM F 2389, CSA B 137.11
Colour: green with 4 blue stripes
Packing unit: 4 m straight lengths



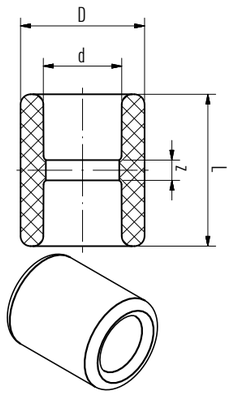
Article no.	d	s	di	l/m	kg/m	DN	PU [m]
socket welding							
1014020006	20	1.9	16.2	0.206	0.108	15	100
1014025008	25	2.3	20.4	0.327	0.165	20	100
1014032010	32	2.9	26.2	0.539	0.261	25	40
1014040012	40	3.7	32.6	0.834	0.414	32	40
1014050014	50	4.6	40.8	1.307	0.641	40	20
1014063016	63	5.8	51.4	2.074	1.012	50	20
1014075018	75	6.8	61.4	2.959	1.411	65	20
1014090020	90	8.2	73.6	4.252	2.043	80	12
1014110022	110	10.0	90.0	6.359	3.026	-	8
1014125024	125	11.4	102.2	8.199	3.924	100	4
1014020306 *	20	1.9	16.2	0.206	0.108	15	100
1014025308 *	25	2.3	20.4	0.327	0.165	20	100
1014032310 *	32	2.9	26.2	0.539	0.261	25	50
butt welding							
1014160026	160	14.6	130.8	13.430	6.415	125	5.8
1014200028	200	18.2	163.6	21.010	9.992	150	5.8
1014250030	250	22.7	204.6	32.861	15.548	200	5.8
1014315032	315	28.6	257.8	52.172	24.664	250	5.8

*in coils

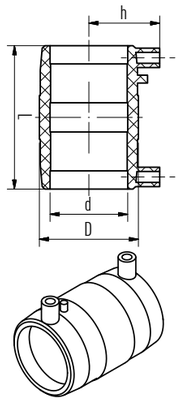
Socket

SDR 6 / 7.4 / 9 / 11 / 17.6

Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green



Article no.	d	D	L	z	kg	PU
1040020002	20	27.0	32.0	3.0	0.008	10
1040025003	25	34.0	35.0	3.0	0.013	10
1040032004	32	43.0	40.5	4.5	0.026	5
1040040005	40	52.0	47.5	6.5	0.044	5
1040050006	50	68.0	53.0	6.0	0.084	5
1040063007	63	84.0	60.5	5.5	0.139	1
1040075008	75	100.0	66.5	6.5	0.226	1
1040090009	90	120.0	72.5	6.5	0.343	1
1040110010	110	147.0	82.0	8.0	0.581	1
1040125011	125	167.0	92.0	12.0	0.845	1



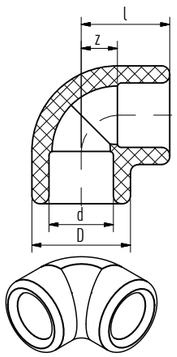
Electrofusion socket

Electro-socket welding — SDR 6 / 7.4 / 9 / 11 / 17.6

Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	D	L	h	kg	PU
1040020094	20	31.5	70.0	36.0	0.049	1
1040025100	25	36.5	78.0	38.5	0.057	1
1040032101	32	45.0	80.0	42.5	0.077	1
1040040102	40	54.0	92.0	47.0	0.103	1
1040050103	50	65.0	103.0	52.0	0.142	1
1040063104	63	81.5	118.0	58.0	0.239	1
1040075105	75	96.0	130.0	64.5	0.347	1
1040090106	90	113.5	145.0	72.0	0.501	1
1040110107	110	139.0	160.0	82.5	0.821	1
1040125108	125	156.0	172.0	90.0	1.097	1
1040160109 *	160	197.0	186.0	109.5	1.754	1
1040200110 *	200	243.0	210.0	134.0	3.625	1
1040250111 *	250	315.0	250.0	170.0	7.142	1

do not use with 160 – 250 mm fittings

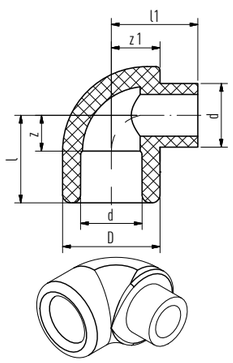


Elbow 90° socket welding

SDR 6 / 7.4 / 9 / 11 / 17.6

Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	D	z	kg	PU
1080020041	20	25.5	27.0	11.0	0.013	10
1080025042	25	29.5	34.0	13.5	0.023	10
1080032043	32	35.0	43.0	17.0	0.043	5
1080040044	40	41.5	52.0	21.0	0.077	5
1080050045	50	49.5	68.0	26.0	0.162	5
1080063046	63	60.0	84.0	32.5	0.293	1
1080075047	75	68.5	100.0	38.5	0.445	1
1080090048	90	79.0	120.0	46.0	0.729	1
1080110049	110	93.0	147.0	56.0	1.292	1
1080125050	125	116.5	167.0	76.5	2.004	1



Elbow 90° female/male

socket welding — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	l1	D	z	z1	kg	PU
1080020061	20	25.5	25.5	27.0	11.0	13.5	0.032	10
1080025062	25	29.5	29.5	34.0	13.5	17.0	0.023	10
1080032063	32	35.0	39.0	43.0	17.0	21.5	0.048	5
1080040064	40	41.5	45.5	52.0	21.0	26.0	0.080	5

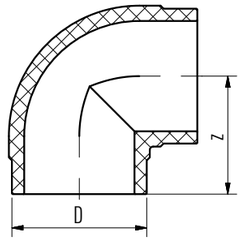
Elbow 90° butt welding

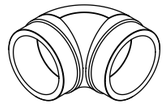
Material: fusiolen® PP-R / PP-RCT
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	D	z	kg	PU
SDR 7.4				
1082160051	160.0	145.0	2.561	1
1082200053	200.0	450.0	11.685	1
1082250055	250.0	625.0	26.000	1
SDR 9				
1083160070 *	160.0	145.0	2.371	1
1083200071 *	200.0	209.0	4.320	1
1083250072 *	250.0	240.0	8.500	1
1083315073	315.0	773.0	42.300	1
SDR 11				
1084160052 *	160.0	145.0	1.956	1
1084200054 *	200.0	209.0	4.575	1
1084250056 *	250.0	240.0	7.180	1
1084315057	315.0	773.0	37.850	1

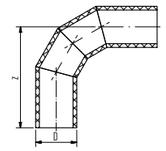
*Injection molded fitting

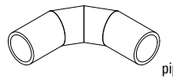
Please note! Electrofusion sockets can not be processed directly with injection molded fittings. When using electrofusion sockets either segment welded special fittings must be used or pipe pieces must be welded to the injection molded fittings.





Injection molded fitting





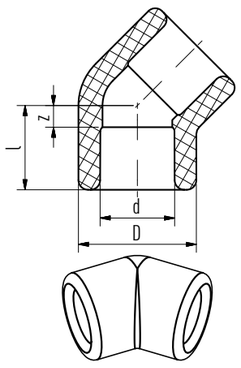
pipe segments

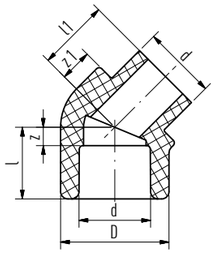
Elbow 45° socket welding

SDR 6 / 7.4 / 9 / 11 / 17.6

Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	D	z	kg	PU
1080020002	20	19.5	29.5	5.0	0.014	10
1080025003	25	22	34.0	6.0	0.018	10
1080032004	32	25	43.0	7.5	0.035	5
1080040005	40	30	52.0	9.5	0.053	5
1080050006	50	35	68.0	11.5	0.112	5
1080063007	63	41.5	84.0	14.0	0.227	1
1080075008	75	46.5	100.0	16.5	0.350	1
1080090009	90	52.5	120.0	19.5	0.568	1
1080110010	110	60.5	147.0	23.5	1.025	1
1080125011	125	67	167.0	27.0	1.329	1



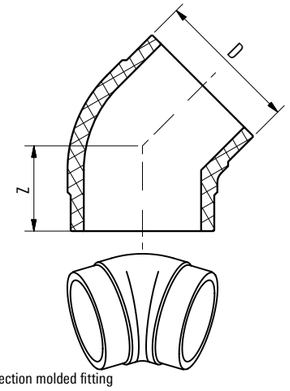


Elbow 45° female/male

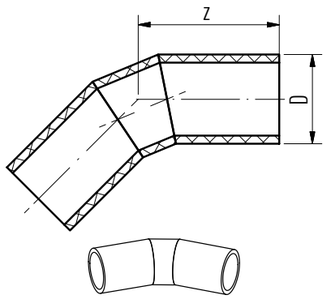
socket welding — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	l1	D	z	z1	kg	PU
1080020020	20	19.5	19.5	29.5	5.0	9.0	0.013	10
1080020021	25	22.0	22.0	34.0	6.0	8.5	0.017	10
1080032022	32	25.5	29.0	43.0	7.5	11.5	0.036	5
1080040023	40	30.0	33.0	52.0	9.5	13.5	0.057	5



Injection molded fitting



pipe segments

Elbow 45° butt welding

pipe segments

Material: fusiolen® PP-RCT
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	D	z	kg	PU
SDR 7.4				
1082160012	160.0	95.0	1.903	1
1082200014	200.0	274.0	8.175	1
1082250016	250.0	412.0	20.500	1
SDR 9				
1083160030	160.0	95.0	4.230	1
1083200031	200.0	146.0	7.500	1
1083250032	250.0	182.0	17.000	1
1083315033 *	315.0	498.0	30.567	1
SDR 11				
1084160013	160.0	95.0	1.371	1
1084200015	200.0	146.0	3.310	1
1084250017	250.0	182.0	6.218	1
1084315018 *	315.0	498.0	27.300	1

*mechanically stabilised through a fibre mix integrated in the middle layer of the fusiolen® PP-RCT.

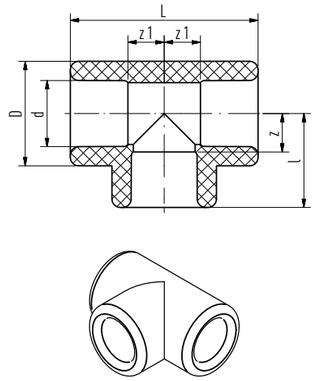
Please note! Electrofusion sockets can not be processed directly with injection molded fittings. When using electrofusion sockets either segment welded special fittings must be used or pipe pieces must be welded to the injection molded fittings.

T-piece socket welding

injection moulded fittings — SDR 6 / 7.4 / 9 / 11 / 17.6

Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	D	L	z	z1	kg	PU
1060020016	20	25.5	27.0	51.0	11.0	11.0	0.017	10
1060025017	25	30.5	34.0	62.0	14.5	15.0	0.033	10
1060032018	32	33.5	43.0	70.0	15.5	17.0	0.054	5
1060040019	40	40.5	52.0	81.0	20.0	20.0	0.099	5
1060050020	50	49.5	68.0	99.0	26.0	26.0	0.177	5
1060063021	63	60.0	84.0	120.0	32.5	32.5	0.368	1
1060075022	75	68.5	100.0	137.0	38.5	38.5	0.541	1
1060090023	90	79.0	120.0	158.0	46.0	46.0	0.920	1
1060110024	110	93.0	147.0	186.0	56.0	56.0	1.598	1
1060125025	125	116.5	167.0	233.0	76.5	76.5	2.673	1



T-piece butt welding

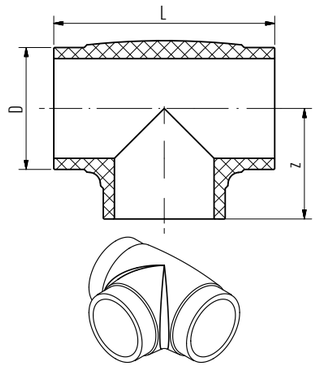
fitting made of pipe segments

Material: fusiolen® PP-RCT
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

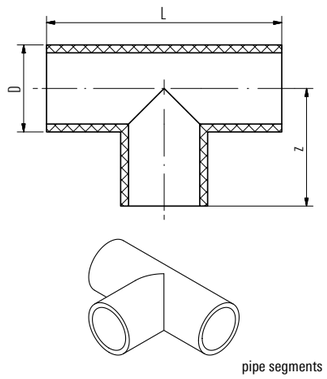
Article no.	D	L	z	kg	PU
SDR 7.4					
1062160012 *	160.0	290.0	145.0	3.600	1
1062200014	200.0	500.0	250.0	9.825	1
1062250016	250.0	750.0	375.0	24.000	1
SDR 9					
1063160019	160.0	290.0	145.0	3.290	1
1063200020	200.0	410.0	205.0	7.000	1
1063250021	250.0	486.0	243.0	12.500	1
1063315022 *	315.0	920.0	460.0	42.609	1
SDR 11					
1064160013	160.0	290.0	145.0	2.943	1
1064200015	200.0	410.0	205.0	6.099	1
1064250017	250.0	486.0	243.0	10.710	1
1064315018 *	315.0	920.0	460.0	20.450	1

*Injection molded fitting

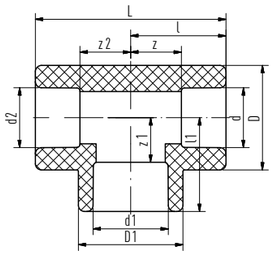
Please note! Electrofusion sockets can not be processed directly with injection molded fittings. When using electrofusion sockets either segment welded special fittings must be used or pipe pieces must be welded to the injection molded fittings.

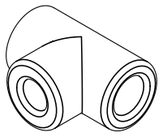


Injection molded fitting



pipe segments





Red. T-piece, socket welding

injection moulded fittings — SDR 6 / 7.4 / 9 / 11 / 17.6

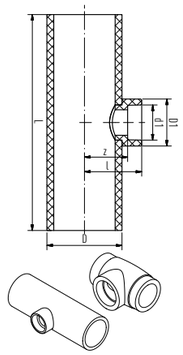
Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	d1	d2	l	l1	D	D1	L	z	z1	z2	kg	PU
1060020030	20	16.0	16.0	25.5	25.3	29.5	29.5	51.0	11.0	12.3	12.5	0.025	10
1060020031	20	16.0	20.0	25.5	25.3	29.5	29.5	51.0	11.0	12.3	11.0	0.024	10
1060020032	20	20.0	16.0	25.5	25.3	29.5	29.5	51.0	11.0	10.8	12.5	0.023	10
1060020033	20	25.0	20.0	31.0	30.5	34.0	34.0	62.0	16.5	14.5	16.5	0.040	10
1060025034	25	16.0	16.0	31.0	30.5	34.0	34.0	62.0	15.0	17.5	18.0	0.043	10
1060025035	25	16.0	20.0	31.0	30.5	34.0	34.0	62.0	15.0	17.5	16.5	0.041	10
1060025036	25	16.0	25.0	31.0	30.5	34.0	34.0	62.0	15.0	17.5	15.0	0.038	10
1060025037	25	20.0	20.0	31.0	30.5	34.0	34.0	62.0	15.0	16.0	16.5	0.039	10
1060025038	25	20.0	25.0	31.0	30.5	34.0	34.0	62.0	15.0	16.0	15.0	0.036	10
1060032039	32	16.0	32.0	35.0	31.0	43.0	29.5	70.0	17.0	18.0	17.0	0.053	5
1060032040	32	20.0	20.0	36.8	37.0	43.0	43.0	73.5	18.8	22.5	22.3	0.076	5
1060032041	32	20.0	32.0	35.0	31.0	43.0	29.5	70.0	17.0	16.5	17.0	0.053	5
1060032042	32	25.0	25.0	35.0	34.5	43.0	43.0	70.0	17.0	18.5	19.0	0.069	5
1060032043	32	25.0	32.0	35.0	32.0	43.0	34.0	70.0	17.0	16.0	17.0	0.050	5
1060040044	40	20.0	40.0	41.5	36.0	52.0	34.0	83.0	21.0	21.5	21.0	0.091	5
1060040045	40	25.0	40.0	41.5	36.0	52.0	34.0	83.0	21.0	20.0	21.0	0.089	5
1060040046	40	32.0	40.0	42.0	40.5	52.0	52.0	84.0	21.5	22.5	21.5	0.092	5
1060050047	50	20.0	50.0	49.5	40.5	68.0	29.5	99.0	26.0	26.0	26.0	0.162	5
1060050048	50	25.0	50.0	49.5	44.5	68.0	34.0	99.0	26.0	28.5	26.0	0.158	5
1060050049	50	32.0	50.0	49.5	44.5	68.0	43.0	99.0	26.0	26.5	26.0	0.160	5
1060050050	50	40.0	50.0	49.5	49.5	68.0	68.0	99.0	26.0	29.0	26.0	0.161	5
1060063051	63	20.0	63.0	60.0	48.5	84.0	34.0	120.0	32.5	34.0	32.5	0.335	1
1060063052	63	25.0	63.0	60.0	48.5	84.0	34.0	120.0	32.5	32.5	32.5	0.331	1
1060063053	63	32.0	63.0	60.0	53.0	84.0	52.0	120.0	32.5	35.5	32.5	0.340	1
1060063054	63	40.0	63.0	60.0	53.0	84.0	52.0	120.0	32.5	33.0	32.5	0.332	1
1060063055	63	50.0	63.0	60.0	56.0	84.0	68.0	120.0	32.5	36.5	32.5	0.398	1
1060075056	75	20.0	75.0	68.5	54.5	100.0	34.0	137.0	38.5	40.0	38.5	0.501	1
1060075057	75	25.0	75.0	68.5	54.5	100.0	34.0	137.0	38.5	38.5	38.5	0.497	1
1060075058	75	32.0	75.0	68.5	59.0	100.0	52.0	137.0	38.5	41.0	38.5	0.505	1
1060075059	75	40.0	75.0	68.5	59.0	100.0	52.0	137.0	38.5	38.5	38.5	0.497	1
1060075060	75	50.0	75.0	68.5	66.0	100.0	84.0	137.0	38.5	42.5	38.5	0.550	1
1060075061	75	63.0	75.0	68.5	66.0	100.0	84.0	137.0	38.5	38.5	38.5	0.515	1
1060090062	90	32.0	90.0	79.0	64.0	120.0	43.0	158.0	46.0	46.0	46.0	0.880	1
1060090063	90	40.0	90.0	79.0	66.5	120.0	52.0	158.0	46.0	46.0	46.0	0.862	1
1060090064	90	50.0	90.0	79.0	69.5	120.0	68.0	158.0	46.0	46.0	46.0	0.905	1
1060090065	90	63.0	90.0	79.0	73.5	120.0	84.0	158.0	46.0	46.0	46.0	0.876	1
1060090066	90	75.0	90.0	79.0	76.0	120.0	100	158.0	46.0	46.0	46.0	0.991	1
1060110067	110	63.0	110.0	93.0	83.5	147.0	84.0	186.0	56.0	56.0	56.0	1.534	1
1060110068	110	75.0	110.0	93.0	86.0	147.0	100.0	186.0	56.0	56.0	56.0	1.517	1
1060110069	110	90.0	110.0	93.0	89.0	147.0	120.0	186.0	56.0	56.0	56.0	1.548	1
1060125070	125	75.0	125.0	116.5	106.5	167.0	100.0	233.0	76.5	76.5	76.5	2.427	1
1060125071	125	90.0	125.0	116.5	109.5	167.0	120.0	233.0	76.5	76.5	76.5	2.509	1
1060125072	125	110.0	125.0	116.5	113.5	167.0	147.0	233.0	76.5	76.5	76.5	2.563	1

Red. T-piece, socket- & butt welding

branch: socket welding

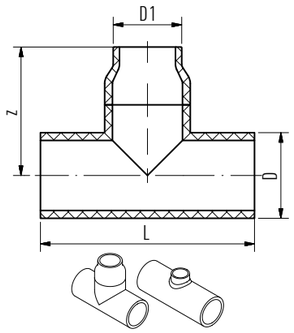
Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green



Article no.	d1	l	D	D1	L	z	kg	PU
SDR 7.4								
1062160073	75.0	122.0	160.0	100.0	460.0	92.0	4.414	1
1062160075	90.0	125.0	160.0	120.0	460.0	92.0	4.515	1
1062160077 **	125.0	120.0	160.0	167.0	290.0	80.0	3.441	1
1062200079	75.0	142.0	200.0	100.0	500.0	112.0	7.110	1
1062200081	90.0	145.0	200.0	120.0	500.0	112.0	7.540	1
1062200083	110.0	149.0	200.0	147.0	500.0	112.0	7.325	1
1062200085	125.0	155.0	200.0	167.0	500.0	115.0	7.645	1
1062250089	75.0	167.0	250.0	100.0	750.0	137.0	16.600	1
1062250091	90.0	170.0	250.0	120.0	750.0	137.0	16.800	1
1062250093	110.0	174.0	250.0	147.0	750.0	137.0	16.800	1
1062250095	125.0	180.0	250.0	167.0	750.0	140.0	17.000	1
SDR 9								
1063160120	75.0	122.0	160.0	100.0	460.0	92.0	3.903	1
1063160121	90.0	125.0	160.0	120.0	460.0	92.0	4.039	1
1063200122	75.0	142.0	200.0	100.0	500.0	112.0	6.476	1
1063200123	90.0	145.0	200.0	120.0	500.0	112.0	6.581	1
1063200124	110.0	149.0	200.0	147.0	500.0	112.0	6.863	1
1063200125	125.0	155.0	200.0	167.0	500.0	115.0	7.114	1
1063250127	75.0	167.0	250.0	100.0	750.0	137.0	14.802	1
1063250128	90.0	170.0	250.0	120.0	750.0	137.0	14.932	1
1063250129	110.0	174.0	250.0	147.0	750.0	137.0	15.178	1
1063250130	125.0	180.0	250.0	167.0	750.0	140.0	15.398	1
1063315133 *	125.0	212.5	315.0	167.0	920.0	172.5	29.196	1
SDR 11								
1064160074	75.0	122.0	160.0	100.0	460.0	92.0	3.140	1
1064160076	90.0	125.0	160.0	120.0	460.0	92.0	3.176	1
1064160078 **	125.0	120.0	160.0	167.0	290.0	80.0	2.842	1
1064200080	75.0	142.0	200.0	100.0	500.0	112.0	5.284	1
1064200082	90.0	145.0	200.0	120.0	500.0	112.0	5.168	1
1064200084	110.0	149.0	200.0	147.0	500.0	112.0	5.648	1
1064200086	125.0	155.0	200.0	167.0	500.0	115.0	5.786	1
1064250090	75.0	167.0	250.0	100.0	750.0	137.0	12.000	1
1064250092	90.0	170.0	250.0	120.0	750.0	137.0	12.000	1
1064250094	110.0	174.0	250.0	147.0	750.0	137.0	13.000	1
1064250096	125.0	180.0	250.0	167.0	750.0	140.0	12.000	1
1064315101 *	125.0	213.0	315.0	167.0	920.0	173.0	25.150	1

*mechanically stabilised through a fibre mix integrated in the middle layer of the fusiolen® PP-R
**Injection molded fitting

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.

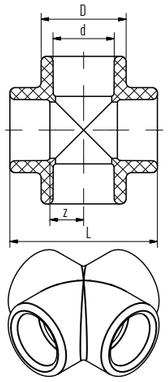


Red. T-piece, butt welding

Material: fusiolen® PP-RCT
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	D	D1	L	z	kg	PU
SDR 7.4						
1062200087	200.0	160	500.0	300.0	10.891	1
1062250097	250.0	160	750.0	375.0	28.000	1
1062250099	250.0	200	750.0	375.0	27.000	1
SDR 9						
1063200126	200.0	160	500.0	300.0	9.332	1
1063250131	250.0	160	750.0	375.0	21.547	1
1063250132	250.0	200	750.0	376.0	21.853	1
1063315134 *	315.0	160	920.0	238.0	29.237	1
1063315135	315.0	200	920.0	460.0	42.166	1
1063315136	315.0	250	920.0	460.0	42.557	1
SDR 11						
1064200088	200.0	160	500.0	300.0	7.445	1
1064250098	250.0	160	750.0	375.0	19.500	1
1064250100	250.0	200	750.0	375.0	18.500	1
1064315102 *	315.0	160	920.0	237.5	24.850	1
1064315103	315.0	200	920.0	460.0	29.400	1
1064315104	315.0	250	920.0	460.0	30.500	1

*Pipe with weld-in saddle

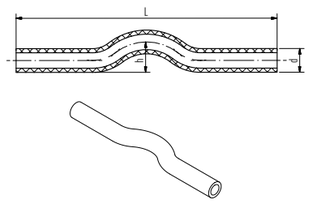


Cross

socket welding — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	D	L	z	kg	PU
1040020090	20	29.5	51.5	11.3	0.025	10
1040025091	25	34.0	59.0	13.5	0.035	10
1040032092	32	43.0	70.0	17.0	0.062	5
1040040093	40	52.0	83.0	21.0	0.099	5



Cross over fitting

socket welding — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

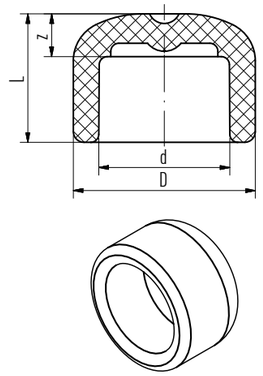
Article no.	d	L	h	kg	PU
1090020002	20	352.0	32.0	0.060	10
1090025003	25	352.0	37.5	0.091	10
1090032004	32	352.0	48.0	0.154	5

End cap

socket welding — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

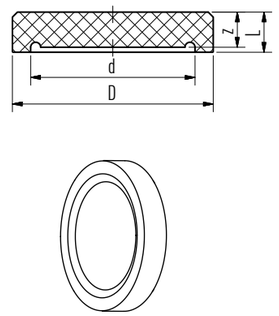
Article no.	d	D	L	z	kg	PU
1020020002	20	29.5	24.0	9.5	0.009	10
1020025003	25	34.0	24.0	8.0	0.011	10
1020032004	32	43.0	29.0	11.0	0.023	5
1020040005	40	52.0	38.0	17.5	0.042	5
1020050006	50	68.0	44.5	21.0	0.082	5
1020063007	63	84.0	52.0	24.5	0.146	1
1020075008	75	100.0	58.5	28.5	0.243	1
1020090009	90	120.0	67.5	34.5	0.365	1
1020110010	110	147.0	65.0	28.0	0.635	1
1020125011	125	167.0	82.0	42.0	0.872	1



End cap butt-welding

Material: fusiolen® PP-RCT
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	D	L	z	kg	PU
SDR 7.4						
1022160012	116.2	160.0	70.0	21.9	0.876	1
1022200014	145.2	200.0	80.0	27.4	1.398	1
1022250016	181.6	250.0	90.0	34.2	2.530	1
SDR 9						
1023160022	124.2	160.0	70.0	17.9	0.847	1
1023200023	155.2	200.0	80.0	22.4	1.373	1
1023250024	194.2	250.0	90.0	27.9	2.856	1
1023315025	244.6	315.0	70.0	52.5	5.080	1
1023355026	275.6	355.0	80.0	66.5	7.050	1
SDR 11						
1024160013	130.8	160.0	70.0	14.6	0.631	1
1024200015	163.6	200.0	80.0	18.2	1.070	1
1024250017	204.6	250.0	90.0	22.7	1.989	1
1024315018	257.8	315.0	70.0	52.5	4.200	1
1024355019	290.6	355.0	80.0	67.5	6.410	1
1024400020	327.4	400.0	70.0	60.0	7.190	1
1024450021	368.2	450.0	80.0	70.0	10.500	1

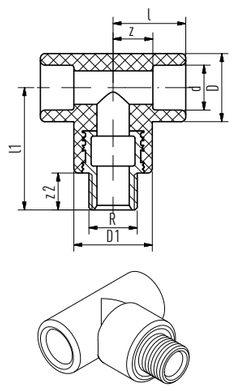


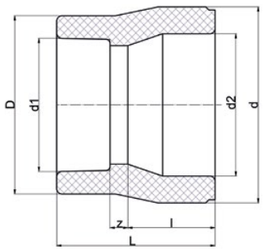
Threaded branch tee with male thread

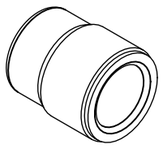
SDR 6 / 7.4 / 11

Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	l1	D	D1	z2	R	z	kg	PU
1060020154	20	31.5	53.0	29.5	37.0	16.0	1/2“	17.0	0.102	10







Reducing socket, socket welding

double-sided socket welding — SDR 6 / 7.4 / 9 / 11 / 17.6

Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

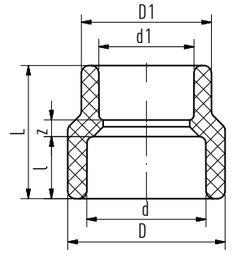
Article no.	d	d1	d2	l	D	L	z	kg	PU
1040020020	20	16.0	13.5	14.5	24.5	39.0	11.5	0.009	10
1040025021	25	16.0	16.5	16.0	26.0	38.0	9.0	0.012	10
1040025022	25	20.0	16.5	16.0	29.5	38.5	8.0	0.012	10
1040032023	32	20.0	21.5	18.0	29.5	37.5	5.0	0.015	5
1040032024	32	25.0	21.0	18.0	34.0	38.0	4.0	0.016	5
1040040025	40	20.0	26.5	20.5	29.5	45.0	10.0	0.025	5
1040040026	40	25.0	26.5	20.5	34.0	50.0	13.5	0.028	5
1040040027	40	32.0	26.5	20.5	43.0	50.0	11.5	0.032	5
1040050028	50	20.0	33.5	23.5	29.5	55.0	17.0	0.045	5
1040050029	50	25.0	33.5	23.5	34.0	55.0	15.5	0.044	5
1040050030	50	32.0	33.5	23.5	43.0	54.0	12.5	0.048	5
1040050031	50	40.0	33.5	23.5	52.0	53.0	9.0	0.053	5
1040063032	63	20.0	42.0	27.5	29.5	65.0	23.0	0.073	1
1040063033	63	25.0	42.0	27.5	34.0	65.0	21.5	0.071	1
1040063034	63	32.0	42.0	27.5	43.0	62.0	16.5	0.080	1
1040063035	63	40.0	42.0	27.5	52.0	64.5	16.5	0.089	1
1040063036	63	50.0	42.0	27.5	68.0	63.5	12.5	0.107	1
1040075037	75	40.0	50.0	30.0	52.0	69.5	19.0	0.131	1
1040075038	75	50.0	50.0	30.0	68.0	63.0	9.5	0.141	1
1040075039	75	63.0	50.0	30.0	84.0	71.0	13.5	0.170	1
1040075040	75	20.0	50.0	30.0	34.5	65.5	21.0	0.113	1
1040075041	75	25.0	50.0	30.0	34.5	65.5	19.5	0.111	1
1040075042	75	32.0	50.0	30.0	52.0	69.5	21.5	0.140	1
1040090043	90	50.0	60.0	33.0	68.0	75.0	18.5	0.193	1
1040090044	90	63.0	60.0	33.0	84.0	78.0	17.5	0.224	1
1040090045	90	75.0	60.0	33.0	100.0	81.5	18.5	0.273	1
1040110046	110	63.0	73.5	37.0	84.0	86.0	21.5	0.356	1
1040110047	110	75.0	73.5	37.0	100.0	89.0	22.0	0.383	1
1040110048	110	90.0	73.5	37.0	120.0	99.0	29.0	0.500	1
1040125049	125	75.0	84.0	40.0	100.0	101.0	31.0	0.518	1
1040125050	125	90.0	84.0	40.0	120.0	99.0	26.0	0.588	1
1040125051	125	110.0	84.0	40.0	147.0	112.0	35.0	0.832	1

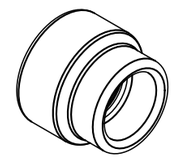
Reducing socket female/female

double-sided socket welding — SDR 6 / 7.4 / 9 / 11 / 17.6

Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	d1	l	D	D1	L	z	kg	PU
1040040073	40	32.0	20.5	52.0	43.0	44.0	5.5	0.035	1
1040050074	50	32.0	23.5	68.0	43.0	53.0	11.5	0.066	1
1040050075	50	40.0	23.5	68.0	52.0	50.5	6.3	0.069	1
1040063076	63	40.0	27.5	84.0	52.0	61.0	13.0	0.115	1
1040063077	63	50.0	27.5	84.0	68.0	56.0	5.0	0.120	1
1040075078	75	50.0	30.0	100.0	68.0	68.0	14.5	0.192	1
1040075079	75	63.0	30.0	100.0	84.0	62.5	5.0	0.185	1
1040090080	90	63.0	33.0	120.0	84.0	74.0	13.5	0.276	1
1040090081	90	75.0	33.0	120.0	100.0	69.0	6.0	0.297	1
1040110082	110	75.0	37.0	147.0	100.0	85.0	18.0	0.516	1
1040110083	110	90.0	37.0	147.0	120.0	77.3	7.3	0.520	1
1040125084	125	90.0	40.0	167.0	120.0	91.0	18.0	0.749	1
1040125085	125	110.0	40.0	167.0	147.0	87.0	10.0	0.726	1



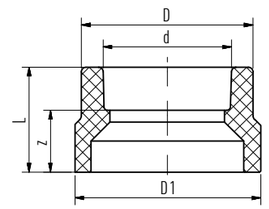


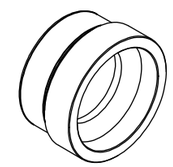
Reducing socket, socket & butt welding

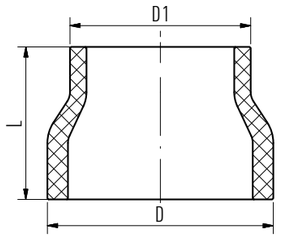
one side socket welding, other side butt welding

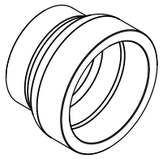
Material: fusiolen® PP-RCT
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	D	D1	L	z	kg	PU
SDR 7.4							
1042160052	110	147.0	160	90.0	53.0	0.730	1
1042160054	125	167.0	160	90.0	50.0	0.837	1
1042200056	125	167.0	200	135.0	95.0	1.644	1
SDR 9							
1043160122	110	147.0	160	90.0	53.0	0.694	1
1043160123	125	167.0	160	90.0	50.0	0.868	1
1043200124	125	167.0	200	135.0	95.0	1.599	1
SDR 11							
1044160053	110	147.0	160	90.0	53.0	0.673	1
1044160055	125	167.0	160	90.0	50.0	0.709	1
1044200057	125	167.0	200	135.0	95.0	1.341	1







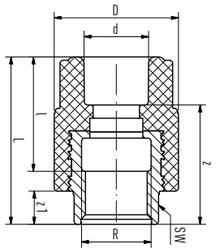


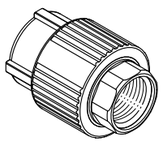
Reducing socket, butt welding

double-sided butt welding

Material: fusiolen® PP-RCT
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	D	D1	L	kg	PU
SDR 7.4	200.0	160	135.0	1.609	1
1042200058	250.0	160	172.5	2.881	1
1042250060	250.0	200	172.5	3.250	1
1042250062					
SDR 9					
1043200125	200.0	160	135.0	1.588	1
1043250126	250.0	160	172.5	2.900	1
1043250127	250.0	200	172.5	3.206	1
1043315128	315.0	250	225.0	7.050	1
1043315131	315.0	200	225.0	6.350	1
SDR 11					
1044200059	200.0	160	135.0	1.140	1
1044250061	250.0	160	172.5	2.152	1
1044250063	250.0	200	172.5	2.681	1
1044315065	315.0	250	225.0	4.690	1





Transition piece with female thread

with spanner flat — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass or stainless steel
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	D	L	z	z1	R	SW	kg	PU
1070020008	20	34.5	38.5	50.5	36.0	10.0	1/2"	24	0.078	10
1070020009	20	29.0	43.5	50.0	35.5	10.0	3/4"	31	0.112	10
1070025010	25	36.0	38.5	52.0	36.0	10.0	1/2"	24	0.081	10
1070025011	25	29.0	43.5	50.0	34.0	10.0	3/4"	31	0.109	10
1070032012	32	32.0	43.5	53.0	35.0	10.0	3/4"	31	0.114	5
1070032013	32	37.5	60.0	59.5	41.5	14.0	1"	39	0.239	5
1070040014	40	40.0	60.0	62.0	41.5	14.0	1"	39	0.227	5
1070040015	40	40.0	74.0	63.0	42.5	15.0	1 1/4"	50	0.385	5
1070050016	50	43.0	74.0	66.0	42.5	15.0	1 1/4"	50	0.404	5
1070050017	50	45.0	85.5	67.0	43.5	15.0	1 1/2"	55	0.418	5
1070063018	63	51.5	84.0	73.5	46.0	15.0	1 1/2"	55	0.442	1
1070063019	63	51.0	101.0	77.0	49.5	19.0	2"	67	0.600	1
1070075020	75	51.0	100.0	77.0	47.0	19.0	2"	67	0.608	1
1070032066 *	32	37.5	60.0	59.5	41.5	14.0	1"	39	0.232	5
1070040067 *	40	40.0	60.0	62.0	41.5	14.0	1"	39	0.219	5
1070040068 *	40	40.0	74.0	63.0	42.5	15.0	1 1/4"	50	0.331	5
1070050069 *	50	43.0	74.0	66.0	42.5	15.0	1 1/4"	50	0.351	5
1070050070 *	50	45.0	84.0	67.0	43.5	15.0	1 1/2"	55	0.445	5
1070063071 *	63	51.5	84.0	73.5	46.0	15.0	1 1/2"	55	0.425	1
1070063072 *	63	51.0	101.0	77.0	49.5	19.0	2"	67	0.196	1
1070075073 *	75	51.0	100.0	77.0	47.0	19.0	2"	67	0.676	1

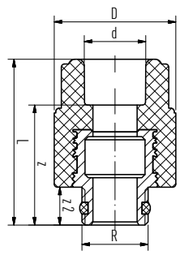
*stainless steel

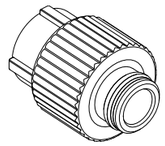
Transition piece with male thread

round, self sealing — SDR 6 / 7.4 / 11

Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	D	L	z	z2	R	kg	PU
1070020051	20	38.5	52.5	38.0	12.0	1/2"	0.090	10
1070025052	25	38.5	54.0	38.0	12.0	1/2"	0.078	10
1070025053	25	38.5	53.5	37.5	13.0	3/4"	0.085	10





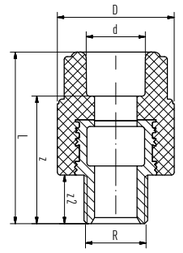
Transition piece with male thread

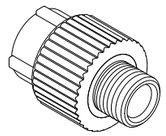
round — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass or stainless steel
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	D	L	z	z2	R	kg	PU
1070020022	20	38.5	56.5	42.0	16.0	1/2"	0.084	10
1070020023	20	38.5	57.5	43.0	17.0	3/4"	0.109	10
1070025024	25	38.5	58.0	42.0	16.0	1/2"	0.085	10
1070025025	25	38.5	57.5	41.5	17.0	3/4"	0.090	10
1070032026	32	38.5	59.5	41.5	17.0	3/4"	0.095	5
1070020074 *	20	38.5	56.5	42.0	16.0	1/2"	0.096	10
1070020075 *	20	38.5	57.5	43.0	17.0	3/4"	0.108	10
1070025076 *	25	38.5	58.0	42.0	16.0	1/2"	0.098	10
1070025077 *	25	38.5	57.5	41.5	17.0	3/4"	0.108	10
1070032078 *	32	38.5	59.5	41.5	17.0	3/4"	0.115	5

*Stainless steel



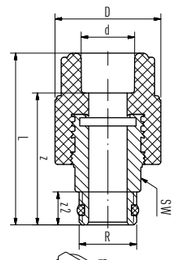


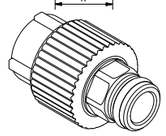
Transition piece with male thread

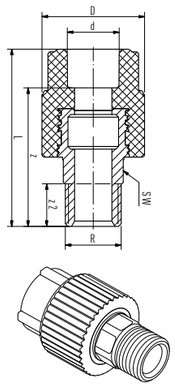
self sealing, with hex shaped threaded transition — SDR 6 / 7.4 / 11

Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	D	L	z	z2	R	SW	kg	PU
1070020056	20	38.5	63.5	49.0	13.0	1/2"	22	0.111	10







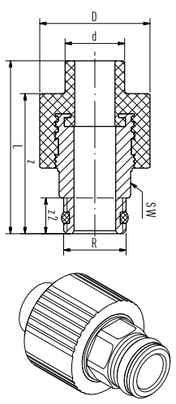
Transition piece with male thread

with spanner flat — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass or stainless steel
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	D	L	z	z2	R	SW	kg	PU
1070020027	20	38.5	66.5	52.0	16.0	1/2"	22	0.104	10
1070020028	20	38.5	67.5	53.0	17.0	3/4"	24	0.129	10
1070025029	25	38.5	68.0	52.0	16.0	1/2"	21	0.107	10
1070025030	25	38.5	67.5	51.5	17.0	3/4"	24	0.103	10
1070032031	32	53.0	78.5	60.5	20.0	1"	32	0.216	5
1070032032	32	68.0	81.0	63.0	21.0	1 1/4"	42	0.318	5
1070040033	40	52.0	81.0	60.5	20.0	1"	32	0.222	5
1070040034	40	68.0	84.5	64.0	21.0	1 1/4"	42	0.324	5
1070050035	50	68.0	85.5	62.0	21.0	1 1/4"	42	0.351	5
1070050036	50	74.0	88.5	65.0	22.0	1 1/2"	46	0.425	5
1070063037	63	72.5	94.5	67.0	22.0	1 1/2"	46	0.467	1
1070063038	63	84.0	102.5	75.0	23.5	2"	50	0.685	1
1070075039	75	84.0	102.0	72.0	23.5	2"	50	0.733	1
1070075040	75	100.0	105.0	75.0	26.7	2 1/2"	65	0.970	1
1070090041	90	120.0	121.0	88.0	30.0	3"	85	1.326	1
1070110042	110	147.0	148.0	111.0	39.0	4"	105	2.730	1
1070032079 *	32	53.0	78.5	60.5	20.0	1"	32	0.204	5
1070032080 *	32	68.0	81.0	63.0	21.0	1 1/4"	41	0.360	5
1070040081 *	40	52.0	81.0	60.5	20.0	1"	32	0.251	5
1070040082 *	40	68.0	84.5	64.0	21.0	1 1/4"	41	0.362	5
1070050083 *	50	68.0	85.5	62.0	21.0	1 1/4"	41	0.389	5
1070050084 *	50	74.0	88.5	65.0	22.0	1 1/2"	46	0.480	5
1070063085 *	63	72.5	94.5	67.0	22.0	1 1/2"	46	0.523	1
1070063086 *	63	84.0	102.5	75.0	23.5	2"	50	0.708	1
1070075087 *	75	84.0	102.0	72.0	23.5	2"	50	0.699	1

*stainless steel



Transition piece with male thread

self-sealing, with hex shaped threaded transition female/male
SDR 6 / 7.4 / 11

Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	D	L	z	z2	R	SW	kg	PU
1070020054	20	38.5	59.0	48.0	13.0	1/2"	22	0.107	10

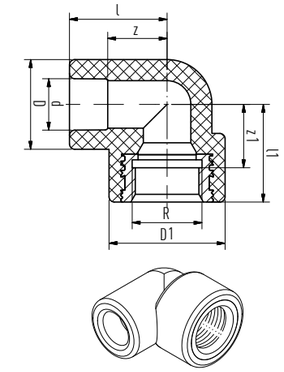
Transition elbow with female thread

brass or stainless steel — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass or stainless steel
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	l1	D	D1	z	z1	R	kg	PU
1070020091	20	37.0	37.0	34.0	44.0	22.5	24.0	3/4"	0.102	10
1070020092	20	31.0	31.5	29.5	37.0	16.5	18.5	1/2"	0.076	10
1070025093	25	37.0	37.0	34.0	44.0	21.0	24.0	3/4"	0.100	10
1070025094	25	33.5	31.5	34.0	37.0	17.5	18.5	1/2"	0.075	10
1070032095	32	27.5	51.0	43.0	44.0	9.5	38.0	3/4"	0.104	5
1070032096	32	34.0	66.5	43.0	60.5	16.0	44.5	1"	0.249	5
1070020110 *	20	37.0	37.0	29.5	37.0	22.5	24.0	3/4"	0.095	10
1070020111 *	20	31.0	31.5	29.5	37.0	16.5	18.5	1/2"	0.081	10
1070025112 *	25	37.0	37.0	34.0	44.0	21.0	24.0	3/4"	0.101	10
1070025113 *	25	33.5	31.5	34.0	37.0	17.5	18.5	1/2"	0.082	10
1070032114 *	32	35.0	37.0	43.0	37.0	17.0	24.0	1/2"	0.112	5
1070032115 *	32	27.5	51.0	43.0	44.0	9.5	38.0	3/4"	0.097	5
1070032116 *	32	34.0	66.5	43.0	60.5	16.0	44.5	1"	0.240	5

*stainless steel

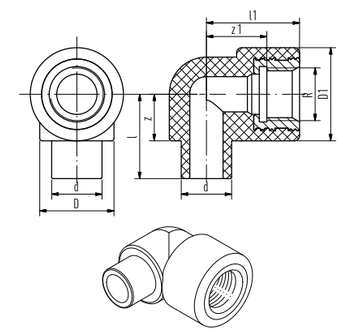


Transition elbow with female thread

SDR 6 / 7.4 / 11

Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	l1	D	D1	z	z1	R	kg	PU
1070020097	20	33.5	37.0	29.5	37.0	18.5	24.0	1/2"	0.076	10



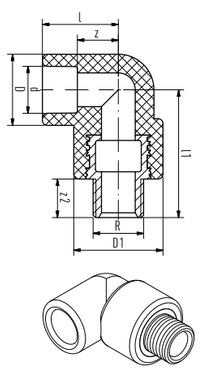
Transition elbow with male thread

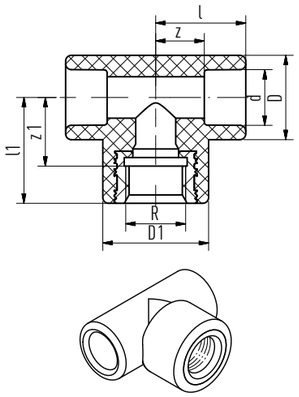
brass or stainless steel — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass or stainless steel
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	l1	D	D1	z	z2	R	kg	PU
1070020099	20	31.5	53.0	29.5	37.0	17.0	16.0	1/2"	0.108	10
1070020100	20	31.5	54.0	34.0	38.0	17.0	17.0	3/4"	0.128	10
1070025101	25	31.5	54.0	34.0	38.0	15.5	17.0	3/4"	0.104	10
1070032102	32	27.5	68.0	43.0	38.0	9.5	17.0	3/4"	0.112	5
1070032103	32	31.0	85.5	43.0	52.0	13.0	20.0	1"	0.231	5
1070020117 *	20	31.5	53.0	29.5	37.0	17.0	16.0	1/2"	0.035	10
1070020118 *	20	31.5	54.0	34.0	38.0	17.0	17.0	3/4"	0.123	10
1070025119 *	25	31.5	54.0	34.0	38.0	15.5	17.0	3/4"	0.121	10
1070032120 *	32	27.5	68.0	43.0	38.0	9.5	17.0	3/4"	0.128	5

*stainless steel





Threaded branch tee with female thread

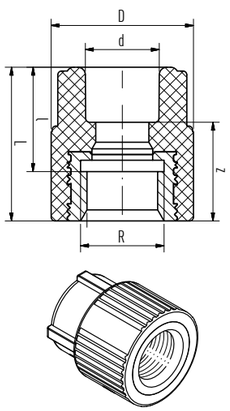
brass or stainless steel — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass or stainless steel
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	l1	D	D1	z	z1	R	kg	PU
1060020141	20	31.5	37.0	29.5	37.0	17.0	24.0	1/2"	0.086	10
1060020142	20	37.0	37.0	34.0	44.0	22.5	24.0	3/4"	0.121	10
1060025143	25	34.0	38.0	34.0	37.0	18.0	25.0	1/2"	0.090	10
1060025144	25	37.0	37.0	34.0	44.0	21.0	24.0	3/4"	0.109	10
1060032145	32	35.0	37.0	43.0	37.0	17.0	24.0	1/2"	0.103	5
1060032146	32	27.5	51.0	43.0	44.0	9.5	38.0	3/4"	0.111	5
1060032147	32	31.5	67.0	43.0	60.0	13.5	45.0	1"	0.255	5
1060040148	40	42.0	40.0	52.0	37.0	21.5	27.0	1/2"	0.142	5
1060040149	40	40.5	40.5	52.0	52.0	20.0	27.5	3/4"	0.147	5
1060040150	40	41.5	56.0	52.0	60.0	21.0	34.0	1"	0.276	5
1060050151	50	49.5	63.5	68.0	60.0	26.0	41.5	1"	0.385	5
1060050152	50	49.5	44.5	68.0	43.0	26.0	31.5	1/2"	0.237	5
1060050153	50	49.5	44.5	68.0	43.0	26.0	31.5	3/4"	0.243	5
1060020160 *	20	31.5	37.0	29.5	37.0	17.0	24.0	1/2"	0.087	10
1060020161 *	20	37.0	37.0	34.0	44.0	22.5	24.0	3/4"	0.108	10
1060025162 *	25	34.5	38.0	34.0	37.0	18.5	25.0	1/2"	0.093	10
1060025163 *	25	37.0	37.0	34.0	44.0	21.0	24.0	3/4"	0.111	10
1060032164 *	32	35.0	37.0	43.0	37.0	17.0	24.0	1/2"	0.113	5
1060032165 *	32	27.5	51.0	43.0	44.0	9.5	38.0	3/4"	0.111	5
1060032166 *	32	31.5	67.0	43.0	60.0	13.5	45.0	1"	0.082	5

*stainless steel

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



Transition piece with female thread

round, brass or stainless steel — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass or stainless steel
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

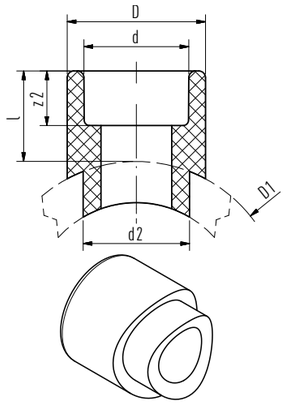
Article no.	d	l	D	L	z	R	kg	PU
1070020002	20	27.5	37.5	40.5	26.0	1/2"	0.064	10
1070020003	20	27.5	43.5	40.5	26.0	3/4"	0.089	10
1070025004	25	29.5	38.5	42.5	26.5	1/2"	0.065	10
1070025005	25	27.5	43.5	40.5	24.5	3/4"	0.087	10
1070032006	32	30.5	43.5	43.5	25.5	3/4"	0.092	5
1070020060 *	20	27.5	37.5	40.5	26.0	1/2"	0.069	10
1070020061 *	20	27.5	43.5	40.5	26.0	3/4"	0.090	10
1070025062 *	25	29.5	38.5	42.5	26.5	1/2"	0.069	10
1070025063 *	25	27.5	43.5	40.5	24.5	3/4"	0.086	10
1070032064 *	32	30.5	43.5	43.5	25.5	3/4"	0.092	5
1070032065 *	32	28.0	37.0	41.0	23.0	1/2"	0.078	5

*stainless steel

Weld-in saddle

socket welding — SDR 6 / 7.4 / 9 / 11 / 17.6

Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green



Article no.	D1	d	d2	l	D	z2	kg	PU
1030040001 *	40	20	25.0	27.0	29.5	14.5	0.016	5
1030040002 *	40	25	25.0	28.5	34.0	16.0	0.017	5
1030050003	50	20	25.0	27.5	29.5	14.5	0.018	5
1030050004	50	25	25.0	28.5	34.0	16.0	0.019	5
1030063005	63	20	25.0	27.5	29.5	14.5	0.017	5
1030063006	63	25	25.0	28.5	34.0	16.0	0.019	5
1030063007	63	32	32.0	30.0	43.0	18.0	0.028	5
1030075008	75	20	25.0	27.5	29.5	14.5	0.018	5
1030075009	75	25	25.0	28.5	34.0	16.0	0.019	5
1030075010	75	32	32.0	30.0	43.0	18.0	0.028	5
1030075011	75	40	40.0	34.0	52.0	20.5	0.049	5
1030090012	90	20	25.0	27.5	29.5	14.5	0.018	5
1030090013	90	25	25.0	28.5	34.0	16.0	0.019	5
1030090014	90	32	32.0	30.0	43.0	18.0	0.029	5
1030090015	90	40	40.0	34.0	52.0	20.5	0.048	5
1030110016	110	20	25.0	27.5	29.5	14.5	0.019	5
1030110017	110	25	25.0	28.5	34.0	16.0	0.020	5
1030110018	110	32	32.0	30.0	43.0	18.0	0.030	5
1030110019	110	40	40.0	34.0	52.0	20.5	0.050	5
1030110020	110	50	50.0	34.0	68.0	23.5	0.091	5
1030125021	125	20	25.0	27.5	29.5	14.5	0.019	5
1030125022	125	25	25.0	28.5	34.0	16.0	0.020	5
1030125023	125	32	32.0	30.0	43.0	18.0	0.029	5
1030125024	125	40	40.0	34.0	52.0	20.5	0.050	5
1030125025	125	50	50.0	34.0	68.0	23.5	0.090	5
1030125026	125	63	63.0	38.0	84.0	27.5	0.149	5
1030160027	160	20	25.0	27.5	29.5	14.5	0.021	5
1030160028	160	25	25.0	28.5	34.0	16.0	0.023	5
1030160029	160	32	32.0	30.0	43.0	18.0	0.034	5
1030160030	160	40	40.0	34.0	52.0	20.5	0.054	5
1030160031	160	50	50.0	34.0	68.0	23.5	0.094	5
1030160032	160	63	63.0	38.0	84.0	27.5	0.157	5
1030160033	160	75	75.0	42.0	100.0	30.0	0.238	5
1030160034	160	90	90.0	45.0	120.0	33.0	0.360	5
1030250035	200-250	20	25.0	27.5	29.5	14.5	0.020	5
1030250036	200-250	25	25.0	28.5	34.0	16.0	0.021	5
1030250037	200-250	32	32.0	30.0	43.0	18.0	0.031	5
1030200038	200	40	40.0	34.0	52.0	20.5	0.049	5
1030200039	200	50	50.0	34.0	68.0	23.5	0.087	5
1030200040	200	63	63.0	37.5	84.0	27.5	0.146	5
1030200041	200	75	75.0	42.0	100.0	30.0	0.225	5
1030200042	200	90	90.0	45.0	120.0	33.0	0.356	5
1030200043	200	110	110.0	49.0	147.0	37.0	0.638	5
1030200044	200	125	125.0	55.0	167.0	40.0	0.862	5
1030250045	250	40	40.0	34.0	52.0	20.5	0.053	5

*do not use with aquatherm blue OT
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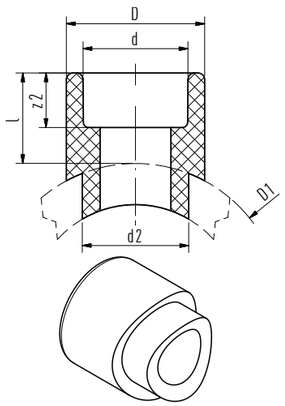


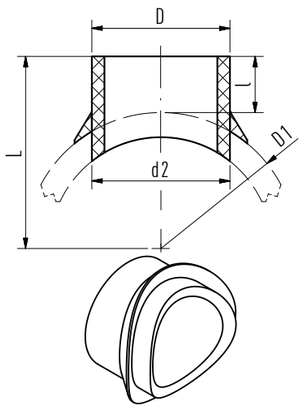
Weld-in saddle

(continued) socket welding — SDR 6 / 7.4 / 9 / 11 / 17.6

Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	D1	d	d2	l	D	z2	kg	PU
1030250046	250	50	50.0	34.0	68.0	23.5	0.090	5
1030250047	250	63	63.0	37.5	84.0	27.5	0.152	5
1030250048	250	75	75.0	42.0	100.0	30.0	0.222	5
1030250049	250	90	90.0	45.0	120.0	33.0	0.348	5
1030250050	250	110	110.0	49.0	147.0	37.0	0.602	5
1030250051	250	125	125.0	55.0	167.0	40.0	0.820	5
1030315052	315-355	63	63.0	37.5	84.0	27.5	0.153	1
1030315053	315-355	75	75.0	42.0	100.0	30.0	0.230	1
1030315054	315	90	90.0	45.0	120.0	33.0	0.363	1
1030315055	315	110	110.0	49.0	147.0	37.0	0.592	1
1030315056	315	125	125.0	55.0	167.0	40.0	0.830	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 weld-in saddles are listed in the Tools chapter.



Weld-in saddle butt welding

Material: fusiolen® PP-RCT
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

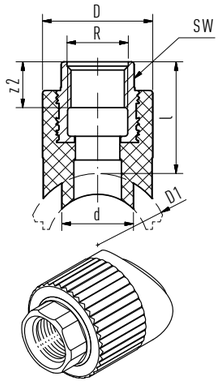
Article no.	D1	D	d2	l	L	kg	PU
SDR 9							
1033315073	315	160.0	160.0	80.0	237.5	0.831	1
1033355074	355	160.0	160.0	80.0	257.5	0.845	1
SDR 11							
1034315057	315	160.0	160.0	80.0	237.5	0.862	1
1034355061	355	160.0	160.0	80.0	257.5	0.867	1

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 weld-in saddles are listed in the Tools chapter.

Weld-in saddle with female thread

with spanner flat — SDR 6 / 7.4 / 9 / 11 / 17.6

Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green



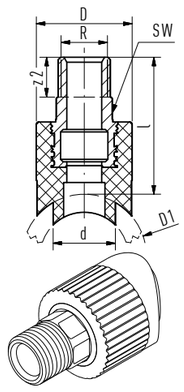
Article no.	D1	d	l	D	z2	R	SW	kg	PU
1030040100 *	40	25	39.0	38.5	16.0	1/2"	24	0.088	5
1030050106	50	25	39.0	38.5	16.0	1/2"	24	0.090	5
1030063112	63	25	39.0	38.5	16.0	1/2"	24	0.089	5
1030075118	75	25	39.0	38.5	16.0	1/2"	24	0.083	5
1030090126	90	25	39.0	38.5	16.0	1/2"	24	0.090	5
1030110134	110	25	39.0	38.5	16.0	1/2"	24	0.089	5
1030125142	125	25	39.0	38.0	16.0	1/2"	24	0.092	5
1030160150	160	25	39.0	38.5	16.0	1/2"	24	0.092	5
1030250158	200-250	25	39.0	38.5	16.0	1/2"	24	0.092	5
1030040101	40	25	39.0	43.5	21.0	3/4"	31	0.107	5
1030050107	50	25	39.0	43.5	21.0	3/4"	31	0.110	5
1030063113	63	25	39.0	43.5	21.0	3/4"	31	0.109	5
1030075119	75	25	39.0	43.5	21.0	3/4"	31	0.109	5
1030090127	90	25	39.0	43.5	21.0	3/4"	31	0.110	5
1030110135	110	25	39.0	43.5	21.0	3/4"	31	0.110	5
1030125143	125	25	39.0	43.5	21.0	3/4"	31	0.112	5
1030160151	160	25	39.0	43.5	21.0	3/4"	31	0.112	5
1030250159	200-250	25	39.0	43.5	21.0	3/4"	31	0.112	5
1030075120	75	32	43.0	60.0	22.0	1"	39	0.223	5
1030090128	90	32	43.0	60.0	22.0	1"	39	0.223	5
1030110136	110	32	43.0	60.0	22.0	1"	39	0.223	5
1030125144	125	32	43.0	60.0	22.0	1"	39	0.224	5
1030160152	160	32	43.0	60.0	22.0	1"	39	0.226	5
1030250160	200-250	32	43.0	60.0	22.0	1"	39	0.244	5

*do not use with aquatherm blue OT

Weld-in saddle with male thread

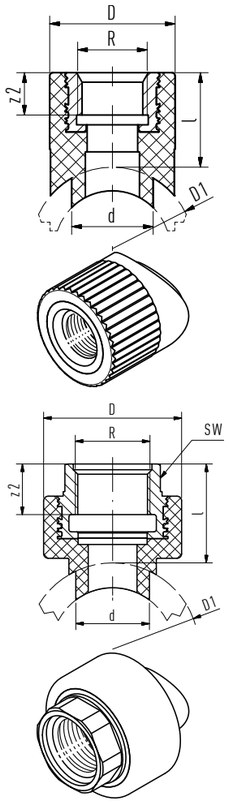
with spanner flat — SDR 6 / 7.4 / 9 / 11 / 17.6

Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green



Article no.	D1	d	l	D	z2	R	SW	kg	PU
1030040102 *	40	25	55.0	38.5	16.0	1/2"	21	0.088	5
1030050108	50	25	55.0	38.5	16.0	1/2"	21	0.090	5
1030063114	63	25	55.0	38.5	16.0	1/2"	21	0.089	5
1030075121	75	25	55.0	38.5	16.0	1/2"	21	0.097	5
1030090129	90	25	55.0	38.5	16.0	1/2"	21	0.090	5
1030110137	110	25	55.0	38.5	16.0	1/2"	21	0.089	5
1030125145	125	25	55.0	38.5	16.0	1/2"	21	0.092	5
1030160153	160	25	55.0	38.5	16.0	1/2"	21	0.092	5
1030040103 *	40	25	56.0	43.5	17.0	3/4"	24	0.107	5
1030050109	50	25	56.0	43.5	17.0	3/4"	24	0.110	5
1030063115	63	25	56.0	43.5	17.0	3/4"	24	0.109	5
1030075122	75	25	56.0	43.5	17.0	3/4"	24	0.109	5
1030090130	90	25	56.0	43.5	17.0	3/4"	24	0.110	5
1030110138	110	25	56.0	43.5	17.0	3/4"	24	0.110	5
1030125146	125	25	56.0	43.5	17.0	3/4"	24	0.112	5
1030160154	160	25	56.0	43.5	17.0	3/4"	24	0.112	5

*do not use with aquatherm blue OT
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 weld-in saddles are listed in the Tools chapter.



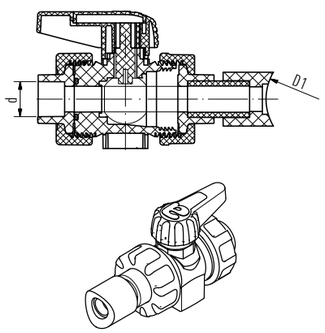
Weld-in saddle with female thread

SDR 6 / 7.4 / 9 / 11 / 17.6

Material: fusiolen® PP-R / stainless steel
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	D1	d	l	D	z2	R	SW	kg	PU
1030040104 **	40	25	39.0	38.5	16.0	1/2"	-	0.062	5
1030050110	50	25	39.0	38.5	16.0	1/2"	-	0.064	5
1030063116	63	25	39.0	38.5	16.0	1/2"	-	0.064	5
1030075123	75	25	39.0	38.5	16.0	1/2"	-	0.064	5
1030090131	90	25	39.0	38.5	16.0	1/2"	-	0.064	5
1030110139	110	25	39.0	38.5	16.0	1/2"	-	0.069	5
1030125147	125	25	39.0	38.5	16.0	1/2"	-	0.065	5
1030160155	160	25	39.0	38.5	16.0	1/2"	-	0.066	5
1030250161	200-250	25	39.0	38.5	16.0	1/2"	-	0.065	5
1030040105	40	25	39.0	43.5	21.0	3/4"	-	0.082	5
1030050111	50	25	39.0	43.5	21.0	3/4"	-	0.074	5
1030063117	63	25	39.0	43.5	21.0	3/4"	-	0.073	5
1030075124	75	25	39.0	43.5	21.0	3/4"	-	0.074	5
1030090132	90	25	39.0	43.5	21.0	3/4"	-	0.074	5
1030110140	110	25	39.0	43.5	21.0	3/4"	-	0.083	5
1030125148	125	25	39.0	43.5	21.0	3/4"	-	0.074	5
1030160156	160	25	39.0	43.5	21.0	3/4"	-	0.076	5
1030250162	200-250	25	39.0	43.5	21.0	3/4"	-	0.084	5
1030075125 *	75	32	43.0	60.0	22.0	1"	39	0.234	5
1030090133 *	90	32	43.0	60.0	22.0	1"	39	0.235	5
1030110141 *	110	32	43.0	60.0	22.0	1"	39	0.236	5
1030125149 *	125	32	43.0	60.0	22.0	1"	39	0.235	5
1030160157 *	160	32	43.0	60.0	22.0	1"	39	0.238	5
1030250163 *	200-250	32	43.0	60.0	22.0	1"	39	0.237	5

*with spanner
**do not use with aquatherm blue OT



aquatherm weld-on saddle

with ball valve for installation under pressure in use with tapping tool
SDR 6 / 7.4 / 9 / 11 / 17.6

Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	D1	PU
1090075010	40	75	1
1090090011	40	90	1
1090110012	40	110	1
1090125013	40	125	1
1090125014	63	125	1
1090160015	40	160	1
1090160016	63	160	1
1090200017	40	200	1
1090200018	63	200	1
1090250019	40	250	1
1090250020	63	250	1
1090315021	63	315-355	1
1090400022	63	400-630	1

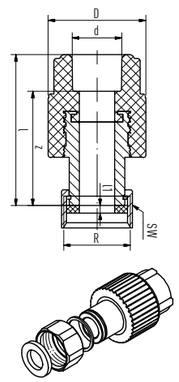
With hex shaped male thread, weld-in surface and weld-in socket for fusion with the inner wall of the pipe. The necessary tools for the fusion of aquatherm green weld-in saddles are listed in the Tools chapter.

Water meter nut adapter

with gasket — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	l1	D	z	R	SW	kg	PU
1050020090	20	59.5	3.0	38.5	45.0	3/4"	30	0.136	1
1050025091	25	61.0	3.0	38.5	45.0	3/4"	30	0.155	1
1050032092	32	62.0	3.0	43.5	44.0	3/4"	30	0.162	1

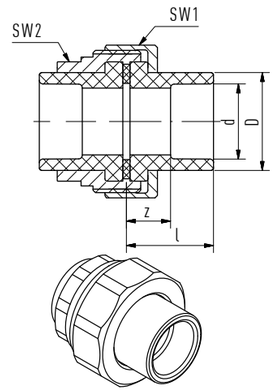


Coupling screw joint, brass

socket welding — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green, brass

Article no.	d	l	D	z	SW1	SW2	kg	PU
1050032040	32	36.5	41.0	18.5	64	50	0.479	1
1050040041	40	38.0	50.0	17.5	80	60	0.841	1
1050050042	50	41.0	61.0	17.5	86	70	0.821	1
1050063043	63	45.0	76.0	17.5	108	90	1.498	1
1050075044	75	31.0	90.0	17.5	128	104	1.998	1

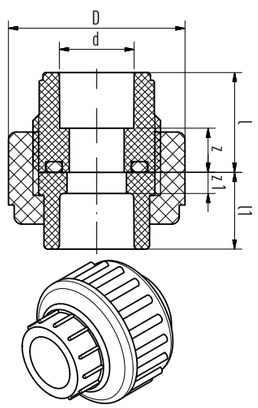


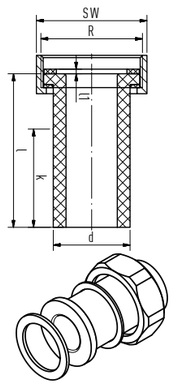
Coupling screw joint

socket welding — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	l1	D	z	z1	kg	PU
1050020050	20	26.0	20.0	46.0	12.0	5.5	0.036	10
1050025051	25	28.0	21.0	56.0	12.0	5.0	0.058	10
1050032052	32	30.0	23.0	66.0	12.0	5.0	0.089	5
1050040053	40	34.0	25.5	79.0	13.5	5.0	0.136	5
1050050054	50	39.0	28.8	87.0	15.5	5.0	0.170	5
1050063055	63	47.5	32.5	107.0	20.0	5.0	0.240	1
1050075056	75	50.0	36.0	128.0	20.0	6.0	0.546	1



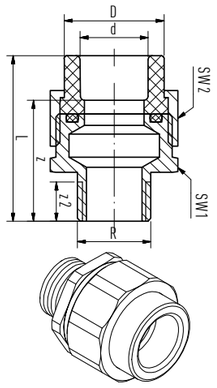


Loose nut adapter

with gasket — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	l1	k	R	SW	kg	PU
1050020082	20	100.0	3.0	65.0	1"	36	0.079	1
1050025083	25	100.0	3.0	62.0	1 1/4"	46	0.104	1
1050032084	32	100.0	3.0	58.0	1 1/2"	52	0.175	1
1050040085	40	100.0	3.0	53.0	2"	64	0.258	1

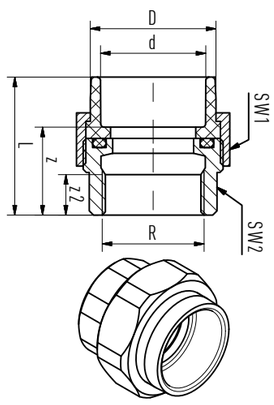


Transition coupling with male thread

with union nut and welding socket — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	D	L	z	z2	R	SW1	SW2	kg	PU
1050020070	20	27.5	52.5	38.0	13.5	1/2"	34	36	0.145	1
1050025071	25	36.0	59.5	43.5	14.5	3/4"	42	46	0.243	1
1050032072	32	41.5	64.5	46.5	16.8	1"	48	52	0.336	1
1050040073	40	53.0	70.0	49.5	19.1	1 1/4"	60	64	0.517	1
1050050074	50	59.0	84.8	61.3	22.0	1 1/2"	48	72	0.624	1
1050063075	63	74.0	95.5	68.0	25.0	2"	62	89	1.045	1



Transition coupling with female thread

with union nut and welding socket — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	D	L	z	z2	R	SW1	SW2	kg	PU
1050020076	20	27.5	45.0	30.5	15.0	1/2"	36	24	0.112	1
1050025077	25	36.0	49.0	33.0	15.5	3/4"	46	32	0.193	1
1050032078	32	41.5	54.0	36.0	15.0	1"	52	40	0.291	1
1050040079	40	53.0	56.5	36.0	20.0	1 1/4"	64	47	0.423	1
1050050080	50	59.0	64.8	41.3	19.0	1 1/2"	72	57	0.610	1
1050063081	63	74.0	74.5	47.0	18.0	2"	89	68	0.924	1

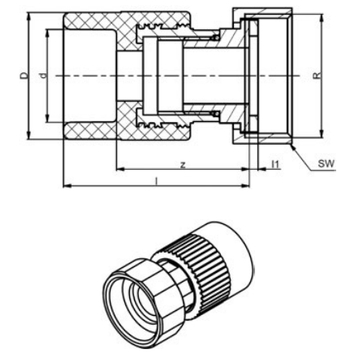
Notice: aquatherm green metal compound fittings are manufactured from fusiolen® PP-R and brass. Metal inserts, without hex shaped spanner flat, with 1/2" and 3/4" female are also available in stainless steel.

Nut adapter ISO-standard

SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	l1	D	z	R	SW	kg	PU
1050020097	20	58.5	3.0	38.5	34.0	1"	36	0.182	10
1050025098	25	60.0	3.0	38.5	44.0	1"	36	0.186	10
1050025099	25	60.0	3.0	43.5	44.0	1 1/4"	46	0.274	10
1050032100	32	63.0	3.0	43.5	45.0	1 1/4"	46	0.279	5
1050032101	32	69.5	3.0	60.0	51.5	1 1/2"	52	0.446	5
1050040102	40	72.0	3.0	60.0	51.5	1 1/2"	52	0.421	5
1050040103	40	72.0	3.0	74.0	51.5	2"	64	0.719	5
1050050104	50	75.0	3.0	74.0	51.5	2"	64	0.736	5
1050050105	50	77.0	3.0	84.0	53.5	2 1/4"	72	0.831	5
1050063106	63	83.5	3.0	84.0	56.0	2 1/4"	72	0.889	1
1050063107	63	82.5	3.0	101.0	55.0	2 3/4"	89	1.306	1
1050075108	75	85.0	3.0	100.0	55.0	2 3/4"	89	1.275	1
1050075109	75	91.0	3.0	100.0	61.0	3 1/2"	110	1.818	1

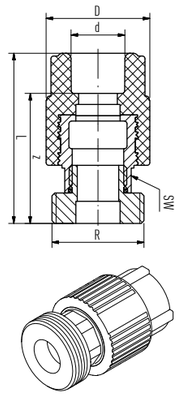


Counterpart with male thread

with welding socket for ISO-standard — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	D	L	z	R	SW	kg	PU
1050020110	20	37.5	61.5	47.0	1"	24	0.151	10
1050025111	25	37.5	63.0	47.0	1"	24	0.153	10
1050025112	25	43.5	63.0	47.0	1 1/4"	31	0.221	10
1050032113	32	43.5	66.0	48.0	1 1/4"	31	0.226	5
1050032114	32	60.0	76.5	58.5	1 1/2"	39	0.408	5
1050040115	40	60.0	79.0	58.5	1 1/2"	39	0.414	5
1050040116	40	74.0	79.0	58.5	2"	50	0.650	5
1050050117	50	74.0	82.0	58.5	2"	50	0.634	5
1050050118	50	84.0	83.0	59.5	2 1/4"	55	0.750	5
1050063119	63	84.0	89.5	62.0	2 1/4"	55	0.728	1
1050063120	63	101.0	95.0	65.5	2 3/4"	67	1.093	1
1050075121	75	100.0	95.0	65.0	2 3/4"	67	1.117	1
1050075122	75	100.0	100.0	70.0	3 1/2"	67	1.436	1

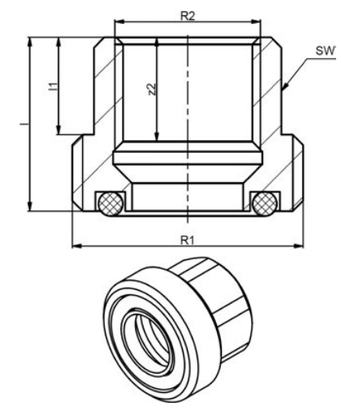


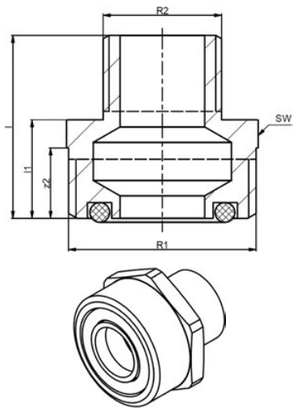
Brass counterpart with female thread

for ISO-standard adapter/loose nut adapter — SDR 6 / 7.4 / 9 / 11

Material: brass

Article no.	l1	L	z2	R1	R2	SW	kg	PU
1050000130	14.0	25.0	15.0	1"	1/2"	25	0.063	10
1050000131	12.5	26.0	14.0	1 1/4"	3/4"	32	0.119	10
1050000132	15.0	31.0	17.0	1 1/2"	1"	40	0.175	5
1050000133	17.0	33.0	22.0	2"	1 1/4"	47	0.263	5
1050000134	20.0	36.0	19.0	2 1/4"	1 1/2"	57	0.333	5
1050000135	24.0	42.0	24.0	2 3/4"	2"	68	0.517	1
9600027522	24.0	46.0	27.0	3 1/2"	2 1/2"	84	0.801	1
9600027524	27.0	46.0	27.0	4"	3"	97	0.943	1





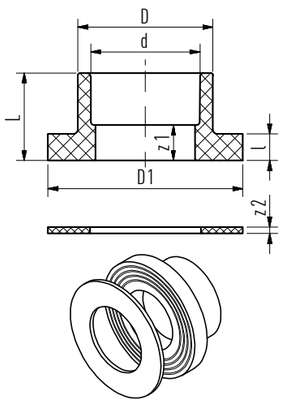
Brass counterpart with male thread

for ISO-standard adapter/loose nut adapter — SDR 6 / 7.4 / 9 / 11

Material: brass

Article no.	l1	L	z2	R1	R2	SW	kg	PU
1050000138	17.5	32.5	10.5	1"	1/2"	34	0.109	10
1050000139	21.0	38.5	12.5	1 1/4"	3/4"	42	0.188	10
1050000140	22.5	41.5	13.5	1 1/2"	1"	48	0.211	5
1050000141	22.5	44.5	13.0	2"	1 1/4"	60	0.363	5
1050000142	34.0	56.0	16.0	2 1/4"	1 1/2"	48	0.472	5
1050000143	38.0	63.0	16.0	2 3/4"	2"	62	0.803	1
9600027722	42.0	70.0	22.0	3 1/2"	2 1/2"	82	1.189	1
9600027724	42.0	74.0	22.0	4"	3"	97	1.398	1

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



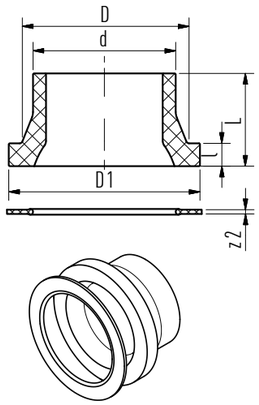
Flange adapter socket welding

with gasket — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	L	l	D	D1	z1	z2	kg	PU
1050032020	32	34.0	10.0	41.0	68.0	16.0	3.0	0.053	1
1050040021	40	35.5	11.0	50.0	78.0	15.0	3.0	0.071	1
1050050022	50	39.5	12.0	61.0	88.0	16.0	3.0	0.071	1
1050063023	63	43.5	14.0	76.0	102.0	16.0	3.0	0.112	1
1050075024	75	46.0	16.0	90.0	122.0	16.0	3.0	0.169	1
1050090025	90	50.0	17.0	108.0	138.0	17.0	3.0	0.261	1
1050110026	110	55.5	18.5	131.0	158.0	18.5	3.0	0.329	1
1050125028	125	63.0	20.0	165.0	188.0	23.0	3.0	0.724	1
1050125027 *	125	195.0	18.5	131.0	158.0	-	3.0	1.180	1

*only use with fitting 125 mm; with 110 mm flange adapter / Suitable flange adapter for shut off valves are available on request.



Flange adapter butt welding

with gasket

Material: fusiolen® PP-RCT
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	D	D1	L	z2	kg	PU
SDR 7.4								
1052160029	160	25.0	175.0	212.0	93.0	3.0	1.163	1
1052200031	200	32.0	232.0	268.0	130.0	6.0	2.292	1
1052250033	250	35.0	285.0	320.0	130.0	6.0	3.298	1
SDR 9								
1023160000 *	160	25.0	175.0	212.0	93.0	3.0	1.150	1
1023200031	200	32.0	232.0	268.0	130.0	6.0	2.292	1
1023250032	250	35.0	285.0	320.0	130.0	6.0	3.313	1
1023315033	315	52.0	337.0	370.0	172.5	6.0	5.640	1
SDR 11								
1054160030	160	25.0	175.0	212.0	93.0	3.0	0.955	1
1054200032	200	32.0	232.0	268.0	130.0	6.0	1.957	1
1054250034	250	35.0	285.0	320.0	130.0	6.0	2.717	1
1054315035	315	35.0	335.0	370.0	168.0	6.0	6.000	1

Up to 160 mm EPDM-gasket without steel ring insert. From 200 mm EPDM-gasket with steel ring insert. Suitable flange adapter for shut off valves available on request.

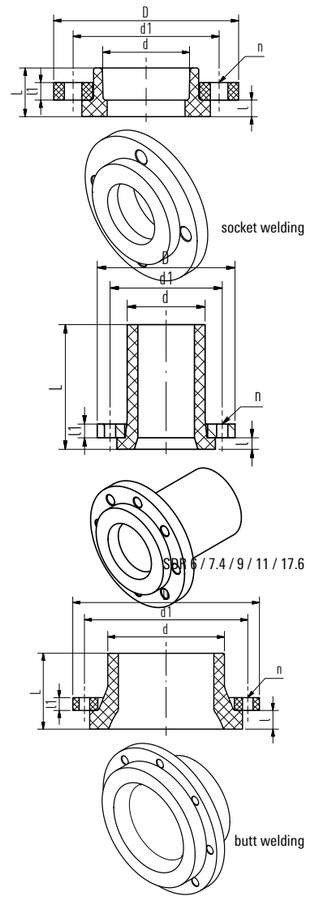
Flange adapter incl. Flange PN6

without gasket

Material: Flange: steel galvanised, Flange adapter: fusiolen® PP-R
Standards: Flange according to DIN 2641
Colour: Flange: black / Flange adapter: green

Article no.	d	D	d1	l	l1	L	n	kg	PU
SDR 6 / 7.4 / 9 / 11 / 17.6 — socket welding									
1050032001	32	100.0	75.0	10.0	10.0	34.0	4	1.090	1
1050040002	40	120.0	90.0	11.0	10.0	35.5	4	1.170	1
1050050003	50	130.0	100.0	12.0	10.0	39.5	4	1.360	1
1050063004	63	140.0	110.0	14.0	10.0	43.5	4	0.886	1
1050075005	75	160.0	130.0	16.0	10.0	46.0	4	1.148	1
1050090006	90	190.0	150.0	17.0	10.0	50.0	4	1.618	1
1050110007	110	210.0	170.0	18.5	10.0	55.5	4	1.824	1
1050125009	125	240.0	200.0	20.0	12.0	63.0	4	3.945	1
SDR 6 / 7.4 / 9 / 11 / 17.6									
1050125008 *	125	210.0	170.0	18.5	10.0	195.0	8	2.715	1
SDR 11 — butt welding									
1050160010	160	265.0	225.0	25.0	12.0	93.0	8	4.136	1
1050200011	200	320.0	280.0	32.0	12.0	130.0	8	6.694	1
1050250012	250	375.0	335.0	35.0	12.0	130.0	8	9.500	1

d = Connection dimension, d1 = hole-circle, PN 6 = Flange according to DIN 2641
*125 mm Fitting with 110 mm, flange adapter incl. flange PN6 Use only in combination with a fitting



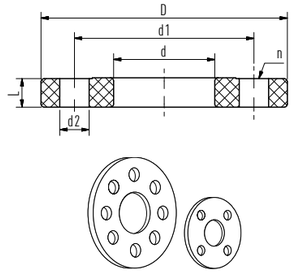
Plastic coated steel flange

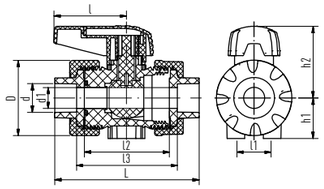
SDR 6 / 7.4 / 9 / 11 / 17.6

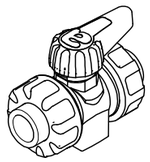
Material: PP / steel
Standards: Flange according to DIN EN 1092, DIN 2501
Colour: grey

Article no.	passend zu Art. no.	Ø Bund-buchse	DN	d	d1	D	d2	L	n	kg	PU
1040032130	1050032020	32	25	42.0	85.0	116.0	14.0	15.5	4	0.469	1
1040040131	1050040021	40	32	51.0	100.0	141.0	18.0	17.5	4	0.722	1
1040050132	1050050022	50	40	62.0	110.0	151.0	18.0	17.5	4	0.770	1
1040063133	1050063023	63	50	78.0	125.0	166.0	18.0	19.0	4	0.911	1
1040075134	1050075024	75	65	92.0	145.0	186.0	18.0	19.0	4	1.132	1
1040090135	1050090025	90	80	110.0	160.0	201.0	18.0	21.0	8	1.356	1
1040110136	1050110026 1050125027	110	100	133.0	180.0	221.0	18.0	22.0	8	1.475	1
1040125137	1050125028 (125 mm)	125	125	167.0	210.0	251.0	18.0	26.0	8	2.082	1
1040160138	1052160029 1054160030	160	150	178.0	240.0	286.0	22.0	27.0	8	3.671	1
1040200139	1052200031 1054200032	200	200	235.0	295.0	341.0	22.0	28.0	8	4.709	1
1040250140	1052250033 1054250034	250	250	288.0	350.0	406.0	22.0	31.0	12	7.094	1
1040315141	1054315035	315	300	340.0	400.0	460.0	22.0	33.5	12	9.500	1
1040355142	1054355036	355	350	376.0	460.0	520.0	22.0	39.0	16	15.300	1
1040400143	2057400105	400	400	430.0	515.0	565.0	26.0	34.0	16	19.680	1
1040450144 *	2057450106	450	500	517.0	620.0	670.0	26.0	42.0	20	22.880	1
1040500145 *	2057500107	500	500	533.0	620.0	670.0	26.0	38.0	20	19.000	1
1040630146 *	2057630108	630	600	645.0	725.0	785.0	30.0	40.0	20	25.800	1

d = Connection dimension, d1 = hole-circle, PN10/16= Flange according to DIN EN1092, DIN2501
*Flange PN16 200 – 630 mm available on request.





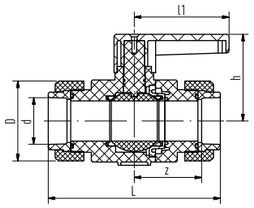


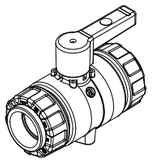
PP-ball valve, with union nut and welding socket

SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R
Colour: green

Article no.	d	d1	D	h1	h2	l1	l2	l3	L	l	kg	PU
1090020052	20	13.5	50.3	27.0	48.0	25.0	56.5	68.0	97.0	48.0	0.118	1
1090025053	25	18.5	59.0	30.0	56.5	25.0	65.5	78.0	110.0	59.0	0.184	1
1090032054	32	23.9	70.3	40.0	64.5	26.0	72.0	84.5	120.5	59.0	0.274	1
1090040055	40	31.0	85.9	46.0	83.3	45.0	85.0	100.0	141.0	63.5	0.483	1
1090050056	50	38.5	99.5	55.0	89.4	45.0	89.0	107.0	154.0	63.5	0.648	1
1090063057	63	50.0	125.5	70.0	115.0	45.0	101.0	118.0	173.0	108.0	1.206	1





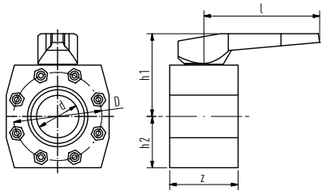
PP-ball valve, with union nut and welding socket

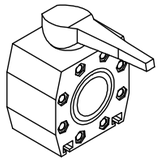
SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R
Colour: green

Article no.	d	D	h	l	l1	L	z	kg	PU
1090075051	75	129.0	139.0	138.0	152.0	276.0	108.0	2.441	1

Also suitable for vacuum pipes.





PP-ball valve, with flange connection on both sides

SDR 6 / 7.4 / 9 / 11 / 17.6

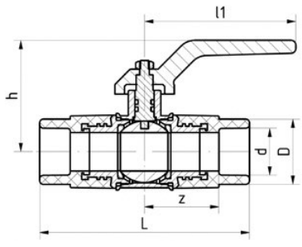
Material: fusiolen® PP-R
Colour: green

Article no.	for Ø	d	l	D	z	h1	h2	kg	PU
1090090058	90	77.0	210.0	160.0	124.0	150.0	93.0	4.196	1
1090110059	110	94.0	260.0	180.0	145.0	165.0	103.0	5.612	1
1090160060	160	135.0	310.0	240.0	205.0	210.0	136.5	13.420	1

Also suitable for vacuum pipes.

For dimension 125 mm the PP-ball valve Art. no. 1090110059 with flange adapter Art. no. 1050125027 and flange Art. no. 1040110136 is used. For connection with aquatherm green weldable flange adapter (Art. no. 3050090006 – 1054160030) and aquatherm green plastic coated steel flange (Art. no. 1040090135 – 1040160138). Hexagon screw M 16x60 mm for Art. no. 1090090058/1090110059 Hexagon screw M 20x80 mm for Art. no. 1090110059 corresponding flat washer M 16.

NOTICE: These are not included with the above articles.



Ball valve pp/brass

Material: fusiolen® PP-R / brass
Colour: green

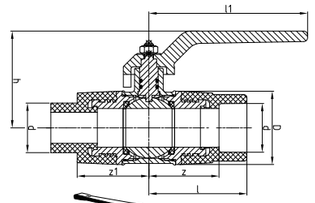
Article no.	d	l1	D	L	h	z	kg	PU
1050020174	20	79.0	29.5	11.0	56.00	40.5	0.280	1
1050025175	25	79.0	34.0	11.0	58.00	39.0	0.375	1
1050032176	32	103.0	43.0	127.0	66.00	45.5	0.592	1
1050040177	40	104.0	52.0	145.0	71.00	52.0	1.015	1
1050050178	50	14.0	68.0	167.0	79.00	6.0	1.689	1
1050063179	63	14.0	84.0	205.0	88.00	75.0	2.874	1

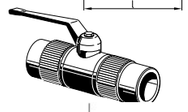
Ball valve for manifold

female/male, socket welding — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass
Colour: green

Article no.	d	l	l1	D	z	z1	H	kg	PU
1050032189	32	63.0	108.0	47.5	45.0	46.5	78.0	0.575	2

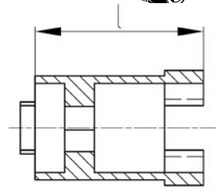




Extension for aquatherm green ball valve

Material: brass
Colour: chrome

Article no.	l	for	kg	PU
1050000180	35.0	1050020174-1050025175	0.120	1
1050000181	35.0	1050032176-1050040177	0.120	1
1050000182	46.0	1050050178-1050063179	0.273	1

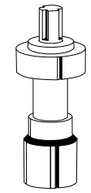


Extension for ball valve

for article no. 1090020052–1090063057

Material: PVC
Colour: grey

Article no.	for Art. no.	l	kg	PU
9700098900	1090020052 L:100 mm	100	0.020	1
9700098901	1090025053/1090032054 L:100 mm	100	0.025	1
9700098902	1090040055/1090050056 L:100 mm	100	0.030	1
9700098903	1090063057 L:100 mm	100	0.125	1

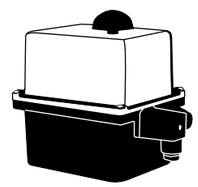


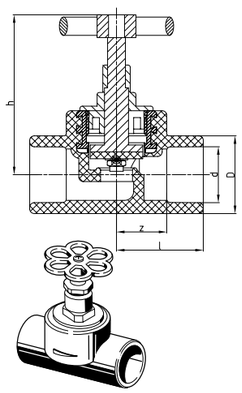
Electrical drive for ball valve

for article no. 1090020052 – 1090063057 (*for article no. 1090090058 – 1090110059)

Colour: black / red

Article no.	Dimension	for Art. no.	kg	PU
230 Volt				
9700041489	20	incl. fixtures for 1090020052	1.500	1
9700041491	25	incl. fixtures for 1090025053	1.600	1
9700041493	32	incl. fixtures for 1090032054	1.600	1
9700041495	40	incl. fixtures for 1090040055	1.600	1
9700041497	50	incl. fixtures for 1090050056	1.700	1
9700041499	63	incl. fixtures for 1090063057	1.700	1
9700041603 *	90	incl. fixtures for 1090090058	3.300	1
9700041605 *	110	incl. fixtures for 1090110059	3.400	1
9700041608 *	160	incl. fixtures for 1090160060	3.700	1
24 Volt				
9700041589	20	incl. fixtures for 1090020052	1.500	1
9700041591	25	incl. fixtures for 1090025053	1.600	1
9700041593	32	incl. fixtures for 1090032054	1.600	1
9700041595	40	incl. fixtures for 1090040055	1.600	1
9700041597	50	incl. fixtures for 1090050056	1.700	1
9700041599	63	incl. fixtures for 1090063057	1.700	1
9700041703 *	90	incl. fixtures for 1090090058	3.300	1
9700041705 *	110	incl. fixtures for 1090110059	3.400	1
9700041708 *	160	incl. fixtures for 1090110059	3.700	1



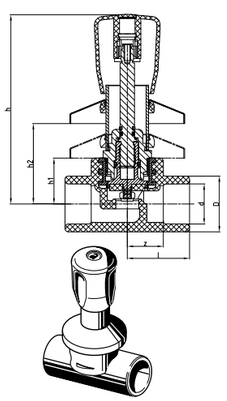


Globe valve

Material: fusiolen® PP-R / brass
Colour: green

for surface installation, socket welding — SDR 6 / 7.4 / 9 / 11

Article no.	d	l	D	z	h	kg	PU
1090020040	20	35.0	29.5	20.5	75.3	0.165	1
1090025041	25	38.0	34.0	22.0	75.0	0.172	1
1090032042	32	49.0	43.0	31.0	97.0	0.314	1
1090040043	40	60.0	52.0	39.5	111.5	0.585	1

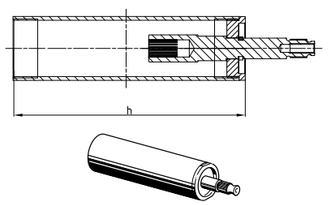


Concealed valve, chromium plated

Material: fusiolen® PP-R / brass
Colour: green

socket welding — SDR 6 / 7.4 / 9 / 11

Article no.	d	l	D	z	h	h1	h2	kg	PU
1050020150	20	35.0	29.5	20.5	116.0	28.0	59.0	0.319	1
1050025151	25	38.0	34.0	22.0	116.0	28.0	59.0	0.330	1
1050032152	32	49.0	43.0	31.0	121.0	34.0	59.0	0.416	1

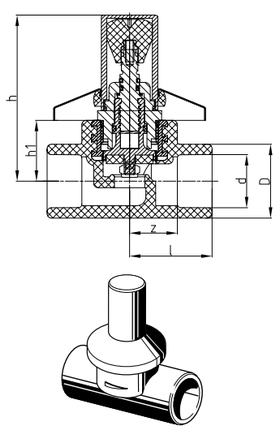


Extension for concealed valve

Material: brass
Colour: chrome

chromium-plated for art. no. 1050020150-1050032152

Article no.	h	kg	PU
9600040900	92.0	0.148	1
9600040902	132.0	0.209	1



Concealed valve, tamper proof

Material: fusiolen® PP-R / brass
Colour: green, chrome

chromium-plated / short design, socket welding — SDR 6 / 7.4 / 9 / 11

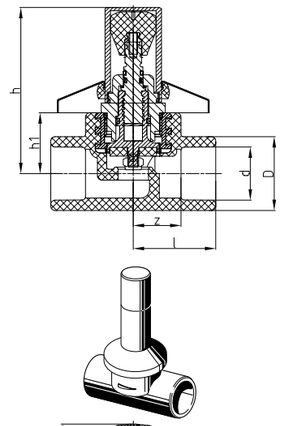
Article no.	d	l	D	z	h	h1	kg	PU
1050020153	20	35.0	29.5	20.5	71.5	28.0	0.258	1
1050025154	25	38.0	34.0	22.0	72.0	28.0	0.288	1
1050032155	32	49.0	43.0	31.0	82.5	34.0	0.376	1

Concealed valve, tamper proof

Material: fusiolen® PP-R / brass
Colour: green, chrome

chromium-plated / long design, socket welding — SDR 6 / 7.4 / 9 / 11

Article no.	d	l	D	z	h	h1	kg	PU
1050020159	20	35.0	29.5	20.5	109.0	28.0	0.342	1
1050025160	25	38.0	34.0	22.0	109.0	28.0	0.350	1
1050032161	32	49.0	43.0	31.0	115.0	34.0	0.432	1

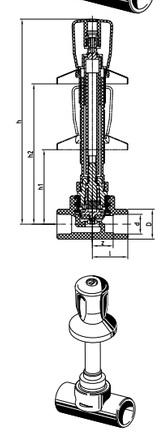


Concealed valve, construction depth 55–100 mm

Material: fusiolen® PP-R / brass
Colour: green, chrome

suitable for construction depth 55 mm to 100 mm, socket welding
SDR 6 / 7.4 / 9 / 11

Article no.	d	l	D	z	h	h1	h2	kg	PU
1050020156	20	35.0	29.5	20.5	213.0	59.0	147.0	0.357	1
1050025157	25	38.0	34.0	22.0	213.0	59.0	147.0	0.369	1
1050032158	32	49.0	43.0	31.0	219.0	65.0	153.0	0.455	1

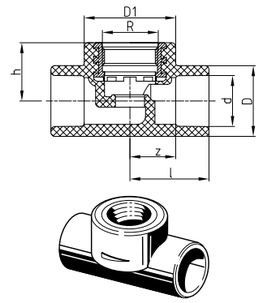


Stop valve body

Material: fusiolen® PP-R / brass
Colour: green

socket welding

Article no.	d	l	D	D1	z	h	R	kg	PU
1090020046	20	35.0	29.5	44.0	20.0	28.0	3/4“	0.082	1
1090025047	25	38.0	34.0	44.0	22.0	28.0	3/4“	0.101	1
1090032048	32	49.0	43.0	52.0	31.0	34.0	1“	0.146	1
1090040049	40	60.0	52.0	69.0	39.5	41.0	1 1/4“	0.313	1

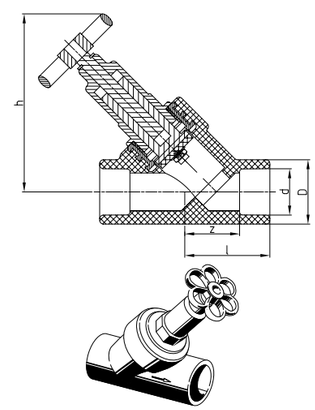


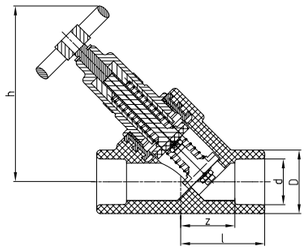
Inclined valve

Material: fusiolen® PP-R / brass
Colour: green

without drain, socket welding — SDR 6 / 7.4 / 9 / 11

Article no.	d	l	D	z	h	kg	PU
1050020162	20	45.0	34.0	30.5	95.5	0.294	1
1050025163	25	45.0	34.0	29.0	95.5	0.283	1
1050032164	32	56.0	43.0	38.0	111.5	0.421	1
1050040165	40	65.0	52.0	44.5	135.0	0.834	1



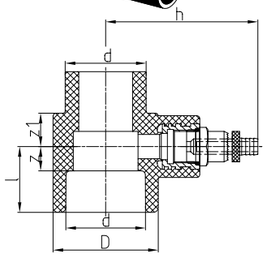


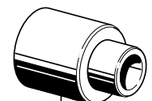
Non-return valve

without drain, socket welding — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass
Colour: green

Article no.	d	l	D	z	h	kg	PU
1050020170	20	45.0	34.0	30.5	95.5	0.297	1
1050025171	25	45.0	34.0	29.0	95.5	0.292	1
1050032172	32	56.0	43.0	38.0	111.5	0.432	1
1050040173	40	65.0	52.0	44.5	135.0	0.840	1



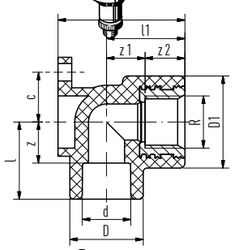


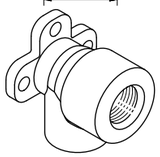
Draining branch

to weld in aquatherm green valves, socket welding
SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass
Colour: green

Article no.	d	l	D	z	z1	h	kg	PU
1050020183	20	26.0	34.0	11.5	16.5	71.0	0.098	1
1050025184	25	26.0	34.0	10.0	16.5	71.0	0.096	1
1050032185	32	32.0	43.0	14.0	17.0	74.5	0.118	1
1050040186	40	32.5	52.0	12.0	16.5	80.5	0.140	1
1050050187	50	39.0	68.0	15.5	17.0	88.0	0.202	1
1050063188	63	44.0	84.0	16.5	16.5	96.0	0.288	1





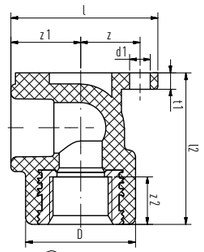
Back plate elbow

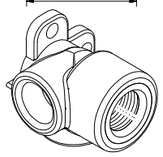
brass (*stainless steel), socket welding — SDR 6 / 7.4 / 11

Material: fusiolen® PP-R / brass
Standards: DIN 1692, DIN EN ISO 15874
Colour: green

Article no.	d	R	l	l1	D	D1	L	z	z1	z2	c	kg	PU
1040020151	20	1/2"	31.0	31.5	29.5	37.0	51.0	16.5	18.5	13.0	20.0	0.079	10
1040020152	20	3/4"	37.0	37.0	34.0	44.0	54.0	22.5	24.0	13.0	-	0.106	10
1040025153	25	3/4"	37.0	37.0	34.0	44.0	54.0	21.0	24.0	13.0	-	0.105	10
1040025154	25	1/2"	33.5	31.0	34.0	37.0	53.0	17.5	18.0	13.0	20.0	0.080	10
1090020070 *	20	1/2"	31.0	31.5	29.5	37.0	51.0	16.5	18.5	13.0	20.0	0.084	10
1090020071 *	20	3/4"	37.0	37.0	34.0	44.0	54.0	22.5	24.0	13.0	-	0.101	10
1090025072 *	25	3/4"	37.0	37.0	34.0	44.0	54.0	21.0	24.0	13.0	-	0.111	10
1090025073 *	25	1/2"	33.5	31.0	34.0	37.0	53.0	17.5	18.0	13.0	20.0	0.076	10

*stainless steel





Flow-through back plate elbow 90°

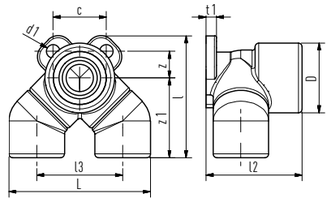
Material: fusiolen® PP-R / brass

Article no.	Dimensions	d1	l	l2	D	t1	z	z1	z2	PU
1090020031	90° 20 mm x 1/2"IG x 20 mm	7.0	49.5	51.0	37.0	5,5	20.0	23.5	16.0	1

Flow-through back plate elbow, parallel

Material: fusiolen® PP-R / brass

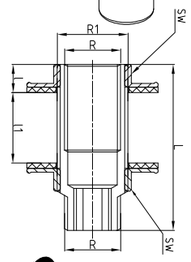
Article no.	Dimensions	d1	l	l2	l3	D	L	c	t1	z	z1	PU
1050020015	parallel 20 mm x 1/2"IG x 20 mm	7.0	65.0	51.0	45.6	37.0	75.0	28.3	5,5	14.0	42.3	1

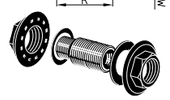


Dry construction wall fitting

Material: brass

Article no.	R	R1	l	l1	L	SW	kg	PU
9600020114	1/2"	3/4"	10.5	26.0	62.0	30	0.213	10





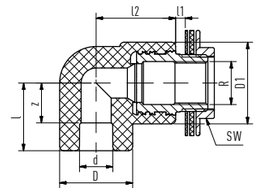
Transition piece with counternut

with gasket and tension washer, socket welding — SDR 6 / 7.4 / 11

Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	l1	l2	D	D1	z	R	SW	kg	PU
1050020062	20	37.0	3.5	35.0	29.5	44.0	22.5	1/2"	29	0.154	10
1050025063	25	37.0	3.5	37.0	34.0	44.0	21.0	1/2"	29	0.206	10

e.g. for connection of a cistern or application with mounting



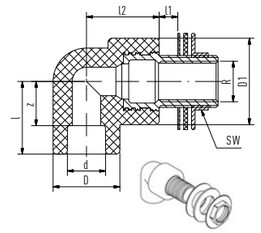
Transition elbow for plasterboard

socket welding — SDR 6 / 7.4 / 11

Material: fusiolen® PP-R / brass
Colour: green

Article no.	d	l	l1	l2	D	D1	z	R	SW	kg	PU
1050020064	20	37.0	18.5	35.0	29.5	44.0	22.5	1/2"	29	0.223	10

with 30 mm thread, counternut, gasket and tension washer

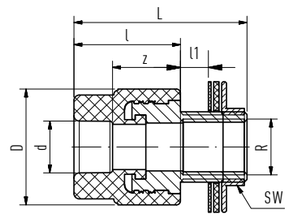


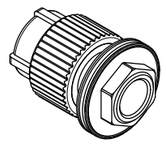
Transition piece with counternut

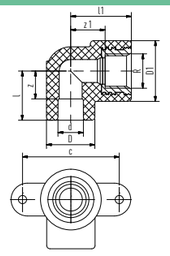
with gasket and tension washer, socket welding — SDR 6 / 7.4 / 11

Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	l1	D	L	z	R	SW	kg	PU
1050020060	20	40.0	13.5	43.5	65.0	25.5	1/2"	29	0.204	10







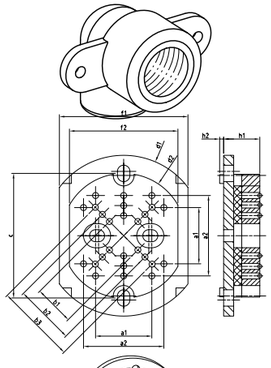
Back plate elbow for dry construction

brass (*stainless steel), socket welding — SDR 6 / 7.4 / 11

Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green or stainless steel

Article no.	d	l	l1	D	D1	z	z1	R	kg	PU
1040020156	20	30.0	37.0	29.5	37.0	15.5	24.0	1/2"	0.079	10
1090020074 *	20	30.0	37.0	29.5	37.0	15.5	24.0	1/2"	0.078	10

*stainless steel

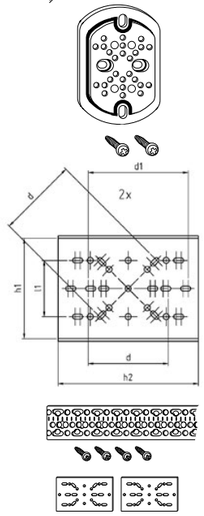


Sound insulation plate

for aquatherm green back plate elbow

Material: PP
Colour: white

Article no.	a1	a2	b1	b2	b3	c	d1	d2	f1	f2	h1	h2	kg	PU
7020000015	28	40	20	30	40	62	80.0	62.0	64	54	18	2	0.058	2

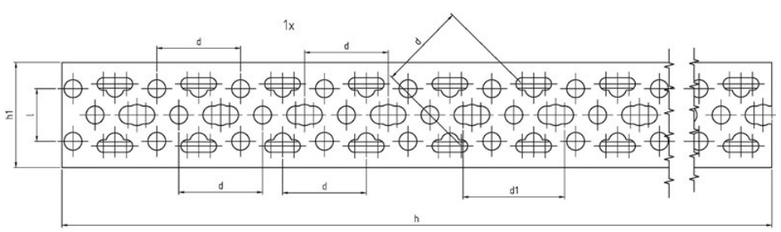


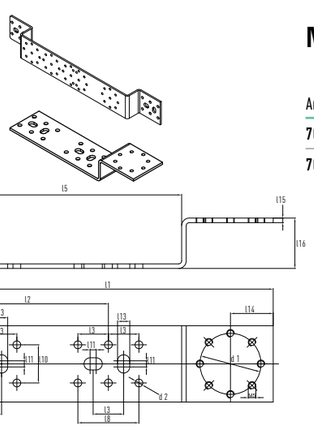
Mounting plate galvanised

to fix back plate elbows as double connection includes 2 fixing plates and 4 screws

Material: iron / galvanised

Article no.	d	d1	l	l1	h	h1	h2	kg	PU
7050000016	40	50.0	25	28.0	560	50	70	0.546	1





Mounting rail (double and single)

Material: iron / galvanised

Article no.	d1	d2	kg	PU
7050000017	40.0	5.1	0.412	2
7050000018	40.0	5.1	0.235	2

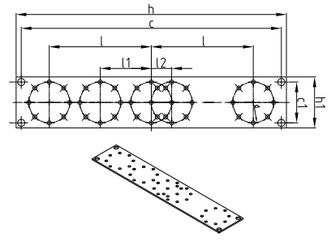
Mounting plate galvanised

to fix back plate elbows as double connection

Material: Iron / galvanised

Article no.	d	l	l1	l2	c	c1	h	h1	kg	PU
7050000020	40	100	50.0	20.0	255	40	265	50	0.221	1

not suitable for connection with sound insulation plate (art. no. 7020000015). We recommend mounting rail art. no. 7050000016

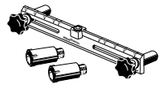


Assembling jig

as water level with 2 plugs 1/2"

Material: fusiolen® PP-R
Colour: green

Article no.	kg	PU
9800050700	0.252	1

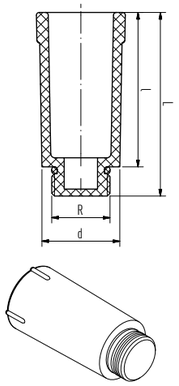


Plug for pressure tests

with gasket

Material: fusiolen® PP-R
Colour: green

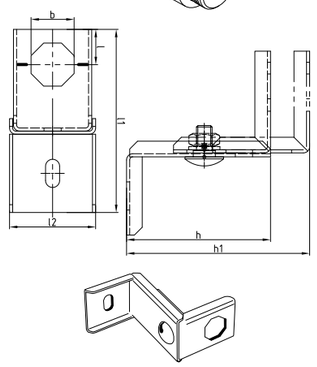
Article no.	d	l	L	R	kg	PU
9800050708	28	55.5	66.0	1/2"	0.022	10
9800050710	34	55.5	66.0	3/4"	0.027	10



Mounting unit, single

Material: Iron / galvanised

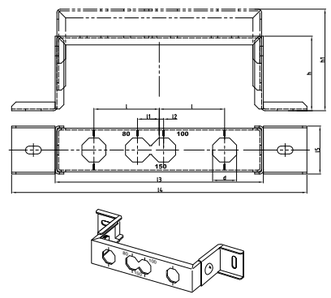
Article no.	b	l	l1	l2	h	h1	kg	PU
7050000002	27.5	118	22.5	55.0	92.5	122.5	0.278	1

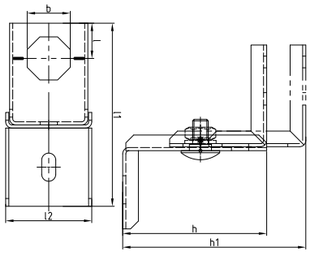


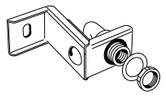
Mounting unit, double

Material: Iron / galvanised

Article no.	b	l	l1	l2	h	h1	l3	l4	l5	kg	PU
7050000001	27.5	75	25.0	5.0	92.5	122.5	239.0	339	55	0.630	1



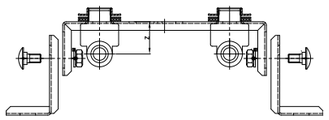


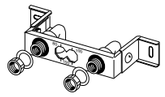


Mounting unit with one aquatherm green transition elbow

Material: fusiolen® PP-R / brass, Iron / galvanised

Article no.	b	l	l1	l2	h	h1	kg	PU
7050000004	27.5	22.5	118.0	55.0	92.5	122.5	0.434	1

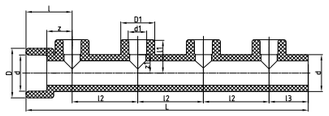


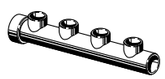


Mounting unit with two aquatherm green transition elbows

Material: fusiolen® PP-R / brass, Iron / galvanised

Article no.	b	l	l1	l2	z	h	h1	kg	PU
7050000003	27.5	75	25.0	5.0	37.5	92.5	122.5	0.942	1





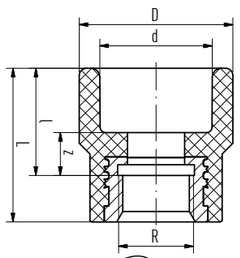
Four-port manifold

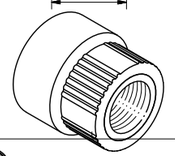
length: 245 mm, with 4 branches — SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R
Colour: green

Article no.	d	d1	l	l1	l2	l3	D	D1	L	z	z1	kg	PU
1090032032	32	16.0	40	29.0	57.0	36.0	43.0	29.5	245.0	22.0	16	0.148	1
1090032033	32	20.0	40	29.0	57.0	36.0	43.0	29.5	245.0	22.0	14.5	0.134	1

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





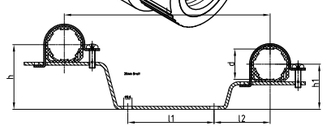
Manifold end piece with female thread

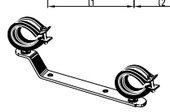
SDR 6 / 7.4 / 9 / 11

Material: fusiolen® PP-R / brass
Standards: DIN 16962, DIN EN ISO 15874
Colour: green

Article no.	d	l	D	L	z	R	kg	PU
1090032034	32	30.0	43.0	43.0	12.0	1/2"	0.073	1

Transition piece as distributor pipe end piece with female thread.





Supporting strap for four-port manifold

with clamps, galvanised, double

Material: steel/galvanised
Colour: zinc

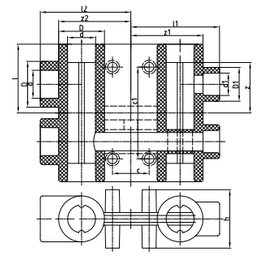
Article no.	d	l	l1	l2	h	h1	kg	PU
9600060210	32	210.0	80.0	57.0	66.0	46.0	0.226	2

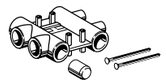
Distribution block plumbing

including 1 plug and 2 fasteners — SDR 6 / 7.4 / 11

Material: fusiolen® PP-R
Colour: green

Article no.	d	d1	l	l1	l2	D	D1	z	z1	z2	c	c1	cl	l3	h	kg	PU
1050025016	25	20.0	60	77.5	79.0	40.0	29.5	44.0	63	63.0	32	80	100	36.0	51	0.273	1





Adhesive tape to protect against UV-radiation

Article no.	Dimension	kg	PU
9700010871	width 50 mm length 10 m	0.133	1

aquatherm-PP-Primer

for aquatherm PP pipes

Article no.	Container	kg	PU
9700050230	Container: 1l	0.994	1
9700050231	Container: 10l	9.269	1

aquatherm special top coat

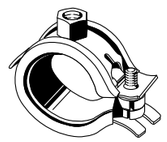
for aquatherm PP-Pipes

Article no.	Container	kg	PU
9700050232	black Container: 2,5l	3.007	1
9700050233	white Container: 2,5l	3.436	1

Pipe clamps

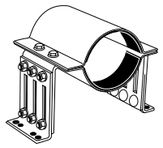
Material: steel

suitable for sliding and fixed point installation



Article no.	for pipe diameters	kg	PU
9600060520	20	0.048	50
9600060525	25	0.051	50
9600060532	32	0.060	50
9600060540	40	0.067	50
9600060550	50	0.079	50
9600060563	63	0.091	25
9600060575	75	0.105	25
9600060590	90	0.128	25
9600060594	110	0.155	25
9600060595	125	0.212	25
9600060597	160	0.342	25
9600060650	200	1.014	1
9600060654	250	1.193	1
9600060658	315	1.618	1

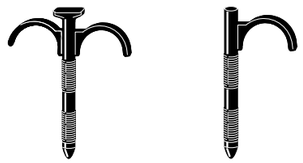
Thread connection: M8 & M10 for 16 – 125 mm | M10 for 160 mm | M16 for 200 – 315 mm



Pipe clamps suitable for fixed point installation

Material: steel

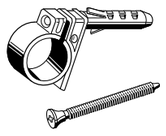
Article no.	for pipe diameters	kg	PU
9600060768	160	8.548	1
9600060770	200	9.449	1
9600060774	250	19.367	1
9600060778	315	22.753	1



Pipe fastening bow 16-32 mm

Material: PA

Article no.	for pipe diameters	kg	PU
7020016005	for pipes 16-32 mm L=45 mm	0.005	50
7020016006	for pipes 16-32 mm L=75 mm	0.007	50
7020016007	for pipes 16-32 mm L=45 mm	0.007	50
7020016008	for pipes 16-32 mm L=75 mm	0.009	50



Plastic pipe clamps 16-40 mm

Material: fusiolen® PP-R

Article no.	for pipe diameters	kg	PU
7090020011	for pipes 20 mm	0.008	50
7090025012	for pipes 25 mm	0.016	30
7090032013	for pipes 32 mm	0.017	30
7040040014	for pipes 40 mm	0.020	30

aquatherm energy

Polypropylene piping system

The aquatherm energy-piping system consists of pre- insulated polypropylene pipes as well as fittings and connectors. All service pipes, fittings and connecting pieces used in aquatherm energy are made of the material fusiolen® PP-R/ PP-RCT, insulated with PUR- hard foam and enclosed with a casing pipe of HDPE.

The pre-insulated aquatherm energy pipe is primarily suitable for the energy-efficient transport of heating and cooling media. The system is the solution for many different applications to distribute heat and cold. Here are some possible applications:district heating supply, local heating supply, district cooling supply, water distribution, cooling plants, bio-mass plants, biogas plants, geothermal energy, geothermal heat, swimming pool technology, open space heating, open space cooling, thermal water pipes - cooling technology - connection to heat pumps - lawn heating air conditioning systems.

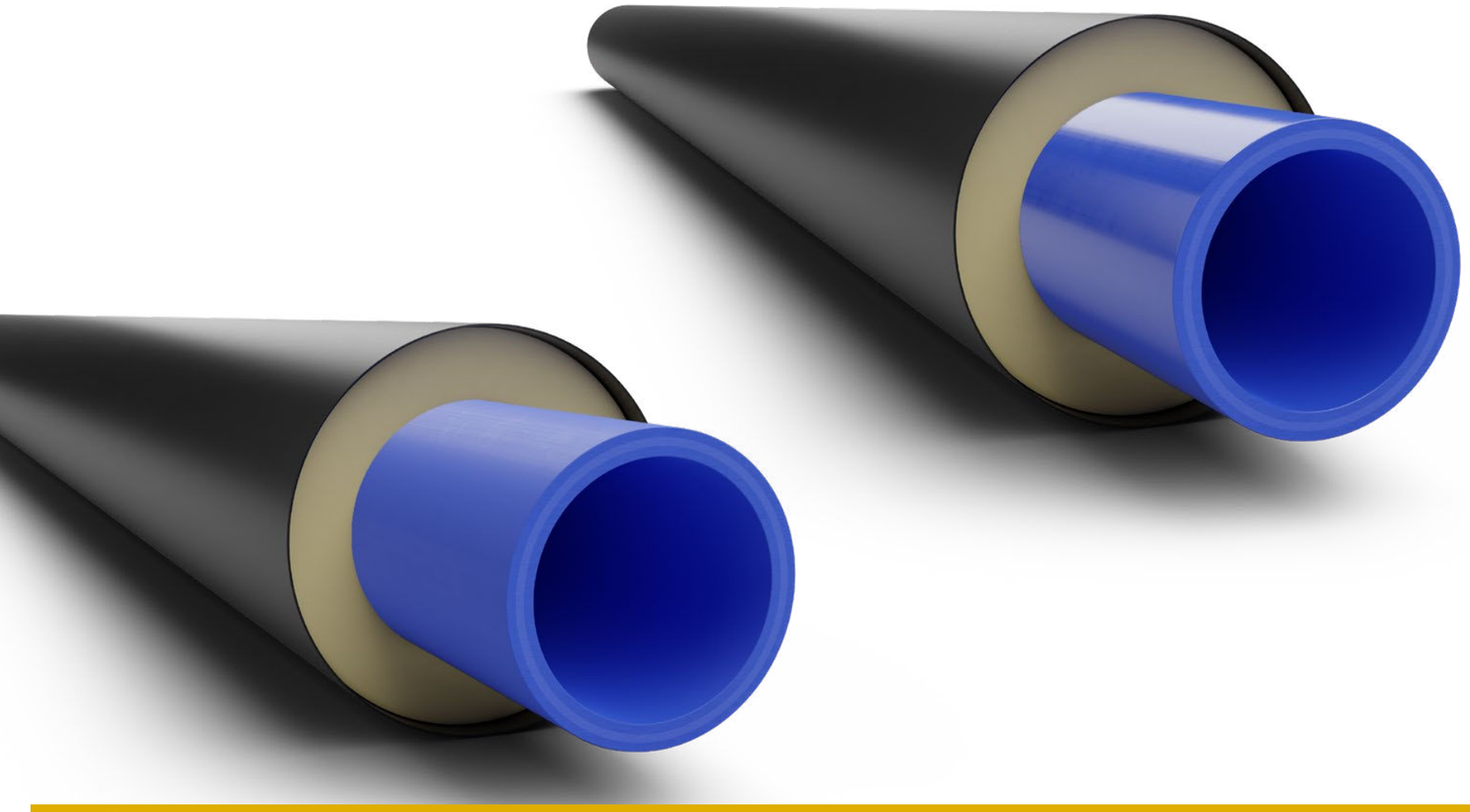
aquatherm energy

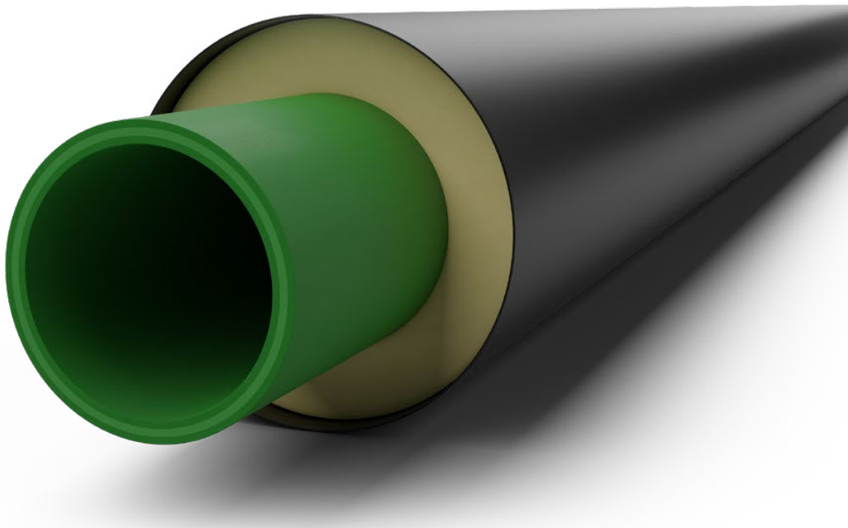
aquatherm energy green & blue

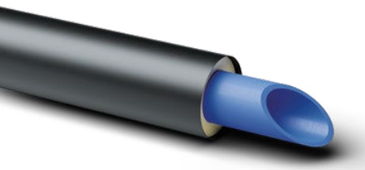
Diameter in mm	16	17	20	25	32	40	50	63	75	90	110	125	160	200	250	315	355	400	450	500	630
SDR 9 MF RP	·	·	·	·	O	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·
SDR 9 MF RP OT	·	·	·	·	O	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·
SDR 11 MF RP	·	·	·	·	·	O	O	O	O	O	O	O	O	O	O	O	O	·	·	·	·
SDR 11 MF RP OT	·	·	·	·	·	O	O	O	O	O	O	O	O	O	O	·	·	·	·	·	·
SDR 17,6 MF RP	·	·	·	·	·	·	·	·	·	·	·	O	O	O	O	O	O	·	·	·	·
SDR 9 MF RP	·	·	·	·	O	O	O	O	O	O	O	O	O	O	O	O	·	·	·	·	·

Legend table abbreviations:

d	diameter in mm
D	diameter in mm
s	wall thickness in mm
di	internal diameter in mm
l/m	water content in litres/metre
kg/m	weight data in kg per metre
DN	diameter nominal
PU	packing unit in metre
SDR	standard dimension ratio
lengths	Units in mm unless otherwise specified





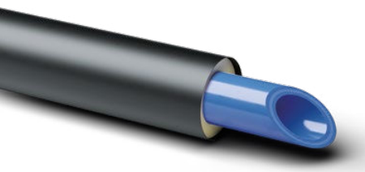


aquatherm energy faser composite pipes à 5.8 m

aquatherm energy blue SDR 11 MF RP / *SDR 9 MF RP

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

Article no.	Ø outside medium pipe d	Ø outside casing pipe D	PU [m]
socket welding			
2314032010 *	32	90.0	5.8
2314040012	40	110.0	5.8
2314050014	50	110.0	5.8
2314063016	63	125.0	5.8
2314075018	75	140.0	5.8
2314090020	90	160.0	5.8
2314110022	110	200.0	5.8
2314125024	125	225.0	5.8
butt welding			
2314160026	160	250.0	5.8
2314200028	200	315.0	5.8
2314250030	250	400.0	5.8
2314315032	315	450.0	5.8
2314355034	355	500.0	5.8

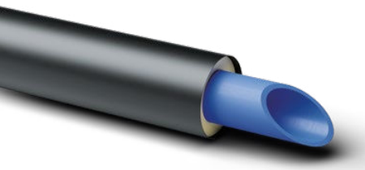


aquatherm energy faser composite pipes OT à 5.8 m

aquatherm energy blue ot SDR 11 / *SDR 9 MF RP

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

Article no.	Ø outside medium pipe d	Ø outside casing pipe D	PU [m]
socket welding			
2414032010 *	32	90.0	5.8
2414040012	40	110.0	5.8
2414050014	50	110.0	5.8
2414063016	63	125.0	5.8
2414075018	75	140.0	5.8
2414090020	90	160.0	5.8
2414110022	110	200.0	5.8
2414125024	125	225.0	5.8
butt welding			
2414160026	160	250.0	5.8
2414200028	200	315.0	5.8
2414250030	250	400.0	5.8

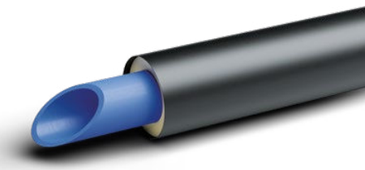


aquatherm energy faser composite pipes à 5.8 m

aquatherm energy blue SDR 17.6 MF RP

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

Article no.	Ø outside medium pipe d	Ø outside casing pipe D	PU [m]
socket welding			
2317125024	125	225.0	5.8
butt welding			
2317160026	160	250.0	5.8
2317200028	200	315.0	5.8
2317250030	250	400.0	5.8
2317315032	315	450.0	5.8
2317355034	355	500.0	5.8

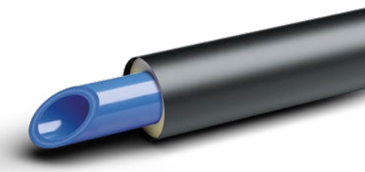


aquatherm energy faser composite pipes à 11.6 m

aquatherm energy blue SDR 11 MF RP / *SDR 9 MF RP

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

Article no.	Ø outside medium pipe d	Ø outside casing pipe D	PU [m]
socket welding			
2314032110 *	32	90.0	11.6
2314040112	40	110.0	11.6
2314050114	50	110.0	11.6
2314063116	63	125.0	11.6
2314075118	75	140.0	11.6
2314090120	90	160.0	11.6
2314110122	110	200.0	11.6
2314125124	125	225.0	11.6
butt welding			
2314160126	160	250.0	11.6
2314200128	200	315.0	11.6
2314250130	250	400.0	11.6
2314315132	315	450.0	11.6
2314355134	355	500.0	11.6

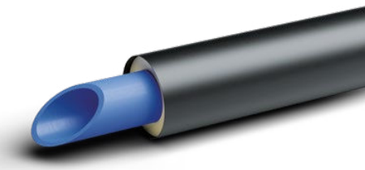


aquatherm energy faser composite pipes OT à 11.6 m

aquatherm energy blue ot SDR 11 / *SDR 9 MF RP

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

Article no.	Ø outside medium pipe d	Ø outside casing pipe D	PU [m]
socket welding			
2414032110 *	32	90.0	11.6
2414040112	40	110.0	11.6
2414050114	50	110.0	11.6
2414063116	63	125.0	11.6
2414075118	75	140.0	11.6
2414090120	90	160.0	11.6
2414110122	110	200.0	11.6
2414125124	125	225.0	11.6
butt welding			
2414160126	160	250.0	11.6
2414200128	200	315.0	11.6
2414250130	250	400.0	11.6

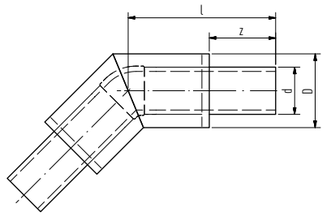


aquatherm energy faser composite pipes à 11.6 m

aquatherm energy blue SDR 17.6 MF RP

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

Article no.	Ø outside medium pipe d	Ø outside casing pipe D	PU [m]
socket welding			
2317125124	125	225.0	11.6
butt welding			
2317160126	160	250.0	11.6
2317200128	200	315.0	11.6
2317250130	250	400.0	11.6
2317315132	315	450.0	11.6
2317355134	355	500.0	11.6



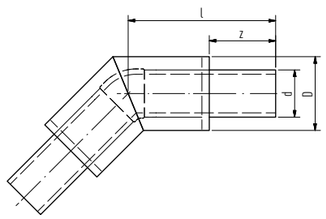
aquatherm energy elbow 45° SL 500

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

for aquatherm energy blue SDR 11 / *SDR 9 MF RP

Article no.	Ø outside medium pipe d	Ø outside casing pipe D	z	l	kg	PU
socket welding						
2384032060 *	32	90.0	225.0	500	1.026	1
2384050062	50	110.0	225.0	500	1.720	1
2384063063	63	125.0	225.0	500	2.340	1
2384075064	75	140.0	225.0	500	2.988	1
2384090065	90	160.0	225.0	500	4.150	1
2384110061	40	110.0	225.0	500	1.496	1
2384110066	110	200.0	225.0	500	6.300	1
2384125067	125	225.0	225.0	500	7.850	1
butt welding						
2384160069	160	250.0	225.0	500	10.000	1
2384200071	200	315.0	225.0	500	14.806	1
2384250073	250	400.0	225.0	500	24.889	1
2384315075	315	450.0	225.0	500	38.788	1
2384355077	355	500.0	225.0	500	50.247	1

also available in design 15° and 30°.



aquatherm energy elbow 45° SL 500

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

for aquatherm energy blue ot SDR 11 / *SDR 9 MF RP

Article no.	Ø outside medium pipe d	Ø outside casing pipe D	z	l	kg	PU
socket welding						
2480032001 *	32	90.0	225.0	500	1.237	1
2480040002	40	110.0	225.0	500	1.533	1
2480050003	50	110.0	225.0	500	1.812	1
2480063004	63	125.0	225.0	500	2.455	1
2480075005	75	140.0	225.0	500	3.035	1
2480090006	90	160.0	225.0	500	4.293	1
2480110007	110	200.0	225.0	500	6.389	1
2480125008	125	225.0	225.0	500	8.177	1
butt welding						
2484160009	160	250.0	225.0	500	10.156	1
2484200010	200	315.0	225.0	500	15.348	1
2484250011	250	400.0	225.0	500	25.853	1

also available in design 15° and 30°

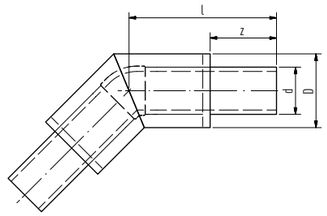
aquatherm energy elbow 45° SL 500

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

for aquatherm energy blue SDR 17.6 MF RP

Article no.	Ø outside medium pipe d	Ø outside casing pipe D	z	l	kg	PU
socket welding						
2387125068	125	225.0	225.0	500	6.310	1
butt welding						
2387160070	160	250.0	225.0	500	7.239	1
2387200072	200	315.0	225.0	500	11.163	1
2387250074	250	400.0	225.0	500	18.813	1
2387315076	315	450.0	225.0	500	28.521	1
2387355078	355	500.0	225.0	500	0.031	1

also available in design 15° and 30°



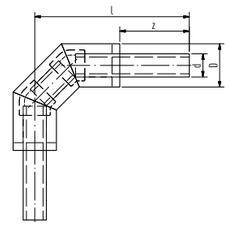
aquatherm energy elbow 90° SL 500

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

for aquatherm energy blue SDR 11 / *SDR 9 MF RP

Article no.	Ø outside medium pipe d	Ø outside casing pipe D	z	l	kg	PU
socket welding						
2384032081 *	32	90.0	225.0	500	1.000	1
2384040083	40	110.0	225.0	500	1.500	1
2384050085	50	110.0	225.0	500	1.660	1
2384063087	63	125.0	225.0	500	2.500	1
2384075089	75	140.0	225.0	500	3.000	1

also available in design 60° and 75°



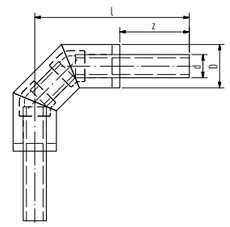
aquatherm energy elbow 90° SL 500

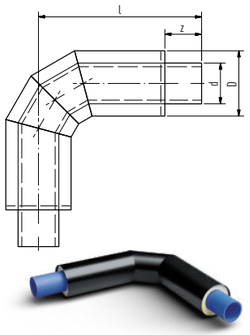
with PUR rigid foam and coated with a casing pipe made of PEHD

for aquatherm energy blue ot SDR 11 / *SDR 9 MF RP

Article no.	Ø outside medium pipe d	Ø outside casing pipe D	z	l	kg	PU
socket welding						
2480032021 *	32	90.0	225.0	500	1.264	1
2480040023	40	110.0	225.0	500	1.370	1
2480050025	50	110.0	225.0	500	1.670	1
2480063027	63	125.0	225.0	500	2.407	1
2480075029	75	140.0	225.0	500	3.500	1

also available in design 60° and 75°





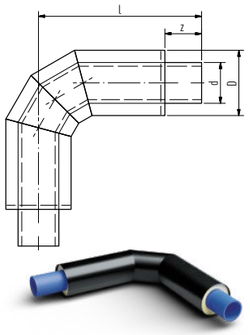
aquatherm energy elbow 90° SL 1000

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

for aquatherm energy blue SDR 11 / *SDR 9 MF RP

Article no.	Ø outside medium pipe d	Ø outside casing pipe D	z	l	PU
socket welding					
2380032080 *	32	90.0	225.0	1000	1
2380040082	40	110.0	225.0	1000	1
2380050084	50	110.0	225.0	1000	1
2380063086	63	125.0	225.0	1000	1
2380075088	75	140.0	225.0	1000	1
2380090090	90	160.0	225.0	1000	1
2380110091	110	200.0	225.0	1000	1
2380125092	125	225.0	225.0	1000	1
butt welding					
2384160094	160	250.0	225.0	1000	1
2384200096	200	315.0	225.0	1000	1
2384250098	250	400.0	225.0	1000	1
2384315100	315	450.0	225.0	1000	1
2384355102	355	500.0	225.0	1000	1

also available in design 60° and 75°



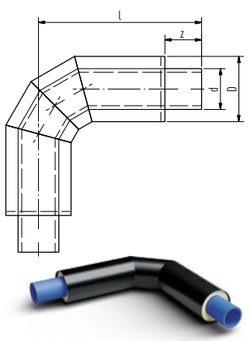
aquatherm energy elbow 90° SL 1000

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

for aquatherm energy blue ot SDR 11 / *SDR 9 MF RP

Article no.	Ø outside medium pipe d	Ø outside casing pipe D	z	l	PU
socket welding					
2480032020 *	32	90.0	225.0	1000	1
2480040022	40	110.0	225.0	1000	1
2480050024	50	110.0	225.0	1000	1
2480063026	63	125.0	225.0	1000	1
2480075028	75	140.0	225.0	1000	1
2480090030	90	160.0	225.0	1000	1
2480110031	110	200.0	225.0	1000	1
2480125032	125	225.0	225.0	1000	1
butt welding					
2484160033	160	250.0	225.0	1000	1
2484200034	200	315.0	225.0	1000	1
2484250035	250	400.0	225.0	1000	1

also available in design 60° and 75°



aquatherm energy elbow 90° SL 1000

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

for aquatherm energy blue SDR 17.6 MF RP

Article no.	Ø outside medium pipe d	Ø outside casing pipe D	z	l	PU
socket welding					
2387125093	125	225.0	225.0	1000	1
butt welding					
2387160095	160	250.0	225.0	1000	1
2387200097	200	315.0	225.0	1000	1
2387250099	250	400.0	225.0	1000	1
2387315101	315	450.0	225.0	1000	1
2387355103	355	500.0	225.0	1000	1

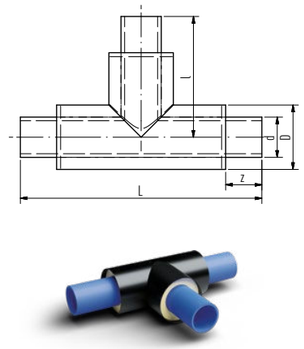
also available in design 60° and 75°

aquatherm energy branch

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

for aquatherm energy blue SDR 11 / *SDR 9 MF RP

Article no.	Ø outside medium pipe d	Ø outside casing pipe D	z	l	L	PU
socket welding						
2360032001 *	32	90.0	225.0	500	1,000.0	1
2360040002	40	110.0	225.0	500	1,000.0	1
2360050003	50	110.0	225.0	500	1,000.0	1
2360063004	63	125.0	225.0	500	1,000.0	1
2360075005	75	140.0	225.0	500	1,000.0	1
2360090006	90	160.0	225.0	500	1,000.0	1
2360110007	110	200.0	225.0	500	1,000.0	1
2360125008	125	225.0	225.0	500	1,000.0	1
butt welding						
2364160009	160	250.0	225.0	500	1,000.0	1
2364200010	200	315.0	225.0	750	1,500.0	1
2364250011	250	400.0	225.0	750	1,500.0	1
2364315012	315	450.0	225.0	750	1,500.0	1
2364355013	355	500.0	225.0	750	1,500.0	1

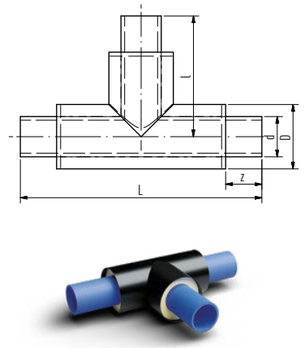


aquatherm energy branch

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

for aquatherm energy blue ot SDR 11 / *SDR 9 MF RP

Article no.	Ø outside medium pipe d	Ø outside casing pipe D	z	l	L	PU
socket welding						
2460032001 *	32	90.0	225.0	500	1,000.0	1
2460040002	40	110.0	225.0	500	1,000.0	1
2460050003	50	110.0	225.0	500	1,000.0	1
2460063004	63	125.0	225.0	500	1,000.0	1
2460075005	75	140.0	225.0	500	1,000.0	1
2460090006	90	160.0	225.0	500	1,000.0	1
2460110007	110	200.0	225.0	500	1,000.0	1
2460125008	125	225.0	225.0	500	1,000.0	1
butt welding						
2464160009	160	250.0	225.0	500	1,000.0	1
2464200010	200	315.0	225.0	750	1,500.0	1
2464250011	250	400.0	225.0	750	1,500.0	1

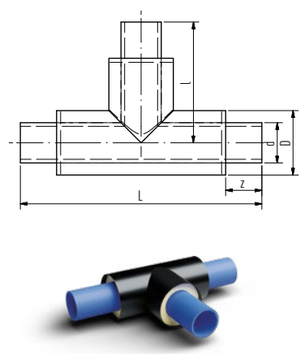


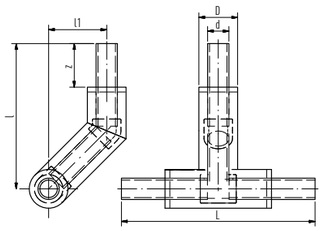
aquatherm energy branch

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

for aquatherm energy blue SDR 17.6 MF RP

Article no.	Ø outside medium pipe d	Ø outside casing pipe D	z	l	L	PU
socket welding						
2367125040	125	225.0	225.0	500	1,000.0	1
butt welding						
2367160041	160	250.0	225.0	500	1,000.0	1
2367200042	200	315.0	225.0	750	1,500.0	1
2367250043	250	400.0	225.0	750	1,500.0	1
2367315044	315	450.0	225.0	750	1,500.0	1
2367355045	355	500.0	225.0	750	1,500.0	1



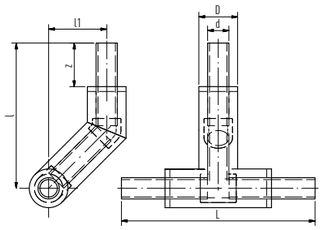


aquatherm energy cross-over branch

for aquatherm energy blue SDR 11 / *SDR 9 MF RP

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

Article no.	Ø outside medium pipe d	Ø outside casing pipe D	z	l	l1	L	PU
socket welding							
2360032020 *	32	90.0	225.0	750	750	1,000.0	1
2360040021	40	110.0	225.0	750	750	1,000.0	1
2360050022	50	110.0	225.0	750	750	1,000.0	1
2360063023	63	125.0	225.0	750	750	1,000.0	1
2360075024	75	140.0	225.0	750	750	1,000.0	1
2360090025	90	160.0	225.0	750	750	1,000.0	1
2360110026	110	200.0	225.0	750	750	1,000.0	1
2360125027	125	225.0	225.0	750	750	1,000.0	1
butt welding							
2364160028	160	250.0	225.0	1000	1000	1,000.0	1
2364200029	200	315.0	225.0	1000	1000	1,500.0	1
2364250030	250	400.0	225.0	1000	1000	1,500.0	1
2364315031	315	450.0	225.0	1250	1250	1,500.0	1
2364355032	355	500.0	225.0	1250	1250	1,500.0	1

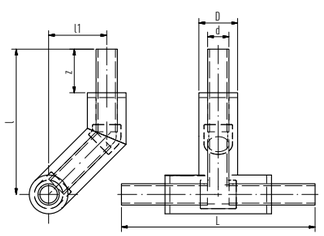


aquatherm energy cross-over branch

for aquatherm energy blue ot SDR 11 / *SDR 9 MF RP

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

Article no.	Ø outside medium pipe d	Ø outside casing pipe D	z	l	l1	L	PU
socket welding							
2460032020 *	32	90.0	225.0	750	750	1,000.0	1
2460040021	40	110.0	225.0	750	750	1,000.0	1
2460050022	50	110.0	225.0	750	750	1,000.0	1
2460063023	63	125.0	225.0	750	750	1,000.0	1
2460075024	75	140.0	225.0	750	750	1,000.0	1
2460090025	90	160.0	225.0	750	750	1,000.0	1
2460110026	110	200.0	225.0	750	750	1,000.0	1
2460125027	125	225.0	225.0	750	750	1,000.0	1
butt welding							
2464160028	160	250.0	225.0	1000	1000	1,000.0	1
2464200029	200	315.0	225.0	1000	1000	1,500.0	1
2464250030	250	400.0	225.0	1000	1000	1,500.0	1



aquatherm energy cross-over branch

for aquatherm energy blue SDR 17.6 MF RP

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

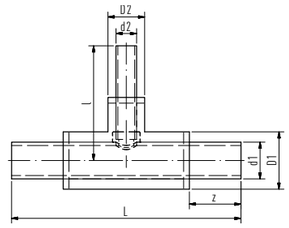
Article no.	Ø outside medium pipe d	Ø outside casing pipe D	z	l	l1	L	PU
socket welding							
2367125050	125	225.0	225.0	750	750	1,000.0	1
butt welding							
2367160051	160	250.0	225.0	1000	1000	1,000.0	1
2367200052	200	315.0	225.0	1000	1000	1,500.0	1
2367250053	250	400.0	225.0	1000	1000	1,500.0	1
2367315054	315	450.0	225.0	1250	1250	1,500.0	1
2367355055	355	500.0	225.0	1250	1250	1,500.0	1

aquatherm energy red. branch

for aquatherm energy blue SDR 11 / *SDR 9 MF RP

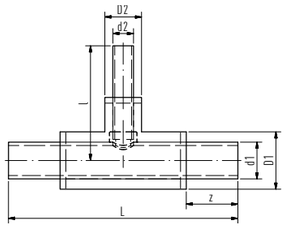
with PUR rigid foam and coated with a casing pipe made of PEHD

Article no.	Ø outside d1	Ø outside d2	Ø outside D1	Ø outside D2	z	l	L	PU
socket welding								
2360040060 *	40.0	32.0	110	90	225.0	500	1,000.0	1
2360050061 *	50.0	32.0	110	90	225.0	500	1,000.0	1
2360050062	50.0	40.0	110	110	225.0	500	1,000.0	1
2360063063 *	63.0	32.0	125	90	225.0	500	1,000.0	1
2360063064	63.0	40.0	125	110	225.0	500	1,000.0	1
2360063065	63.0	50.0	125	110	225.0	500	1,000.0	1
2360075066 *	75.0	32.0	140	90	225.0	500	1,000.0	1
2360075067	75.0	40.0	140	110	225.0	500	1,000.0	1
2360075068	75.0	50.0	140	110	225.0	500	1,000.0	1
2360075069	75.0	63.0	140	125	225.0	500	1,000.0	1
2360090070 *	90.0	32.0	160	90	225.0	500	1,000.0	1
2360090071	90.0	40.0	160	110	225.0	500	1,000.0	1
2360090072	90.0	50.0	160	110	225.0	500	1,000.0	1
2360090073	90.0	63.0	160	125	225.0	500	1,000.0	1
2360090074	90.0	75.0	160	140	225.0	500	1,000.0	1
2360110075 *	110.0	32.0	200	90	225.0	500	1,000.0	1
2360110076	110.0	40.0	200	110	225.0	500	1,000.0	1
2360110077	110.0	50.0	200	110	225.0	500	1,000.0	1
2360110078	110.0	63.0	200	125	225.0	500	1,000.0	1
2360110079	110.0	75.0	200	140	225.0	500	1,000.0	1
2360110080	110.0	90.0	200	160	225.0	500	1,000.0	1
2360125081 *	125.0	32.0	225	90	225.0	500	1,000.0	1
2360125082	125.0	40.0	225	110	225.0	500	1,000.0	1
2360125083	125.0	50.0	225	110	225.0	500	1,000.0	1
2360125084	125.0	63.0	225	125	225.0	500	1,000.0	1
2360125085	125.0	75.0	225	140	225.0	500	1,000.0	1
2360125086	125.0	90.0	225	160	225.0	500	1,000.0	1
2360125087	125.0	110.0	225	200	225.0	500	1,000.0	1
butt welding								
2364160088 *	160.0	32.0	250	90	225.0	500	1,000.0	1
2364160089	160.0	40.0	250	110	225.0	500	1,000.0	1
2364160090	160.0	50.0	250	110	225.0	500	1,000.0	1
2364160091	160.0	63.0	250	125	225.0	500	1,000.0	1
2360160092	160.0	75.0	250	140	225.0	500	1,000.0	1
2364160093	160.0	90.0	250	160	225.0	500	1,000.0	1
2364160094	160.0	110.0	200	200	225.0	750	1,500.0	1
2364160095	160.0	125.0	250	225	225.0	750	1,500.0	1



*branch d2 SDR 9

continued on next page …



aquatherm energy red. branch

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

(continued) for aquatherm energy blue ot SDR 11 / *SDR 9 MF RP

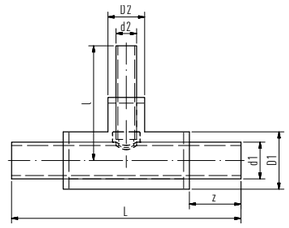
Article no.	Ø outside d1	Ø outside d2	Ø outside D1	Ø outside D2	z	l	L	PU
butt welding								
2364200096 *	200.0	32.0	315	90	225.0	750	1,500.0	1
2364200097	200.0	40.0	315	110	225.0	750	1,500.0	1
2364200098	200.0	50.0	315	110	225.0	750	1,500.0	1
2364200099	200.0	63.0	315	125	225.0	750	1,500.0	1
2364200100	200.0	75.0	315	140	225.0	750	1,500.0	1
2364200101	200.0	90.0	315	160	225.0	750	1,500.0	1
2364200102	200.0	110.0	315	200	225.0	750	1,500.0	1
2364200103	200.0	125.0	315	225	225.0	750	1,500.0	1
2364200104	200.0	160.0	315	250	225.0	750	1,500.0	1
2364250105 *	250.0	32.0	400	90	225.0	750	1,500.0	1
2364250106	250.0	40.0	400	110	225.0	750	1,500.0	1
2364250107	250.0	50.0	400	110	225.0	750	1,500.0	1
2364250108	250.0	63.0	400	125	225.0	750	1,500.0	1
2364250109	250.0	75.0	400	140	225.0	750	1,500.0	1
2364250110	250.0	90.0	400	160	225.0	750	1,500.0	1
2364250111	250.0	110.0	400	200	225.0	750	1,500.0	1
2364250112	250.0	125.0	400	225	225.0	750	1,500.0	1
2364250113	250.0	160.0	400	250	225.0	750	1,500.0	1
2364250114	250.0	200.0	400	315	225.0	750	1,500.0	1
2364315115 *	315.0	32.0	450	90	225.0	750	1,500.0	1
2364315116	315.0	40.0	450	110	225.0	750	1,500.0	1
2364315117	315.0	50.0	450	110	225.0	750	1,500.0	1
2364315118	315.0	63.0	450	125	225.0	750	1,500.0	1
2364315119	315.0	75.0	450	140	225.0	750	1,500.0	1
2364315120	315.0	90.0	450	160	225.0	750	1,500.0	1
2364315121	315.0	110.0	450	200	225.0	750	1,500.0	1
2364315122	315.0	125.0	450	225	225.0	750	1,500.0	1
2364315123	315.0	160.0	450	250	225.0	750	1,500.0	1
2364315124	315.0	200.0	450	315	225.0	750	1,500.0	1
2364315125	315.0	250.0	450	400	225.0	750	1,500.0	1
2364355126 *	355.0	32.0	500	90	225.0	750	1,500.0	1
2364355127	355.0	40.0	500	110	225.0	750	1,500.0	1
2364355128	355.0	50.0	500	110	225.0	750	1,500.0	1
2364355129	355.0	63.0	500	125	225.0	750	1,500.0	1
2364355130	355.0	75.0	500	140	225.0	750	1,500.0	1
2364355131	355.0	90.0	500	160	225.0	750	1,500.0	1
2364355132	355.0	110.0	500	200	225.0	750	1,500.0	1
2364355133	355.0	125.0	500	225	225.0	750	1,500.0	1
2364355134	355.0	160.0	500	250	225.0	750	1,500.0	1
2364355135	355.0	200.0	500	315	225.0	750	1,500.0	1
2364355136	355.0	250.0	500	400	225.0	750	1,500.0	1
2364355137	355.0	315.0	500	450	225.0	750	1,500.0	1

*branch d2 SDR 9

aquatherm energy red. branch

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

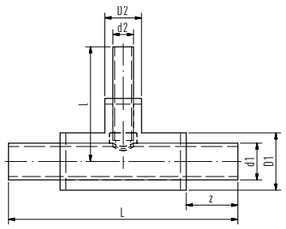
for aquatherm energy blue ot SDR 11 / *SDR 9 MF RP



Article no.	Ø outside d1	Ø outside d2	Ø outside D1	Ø outside D2	z	l	L	PU
socket welding								
2460040220 *	40.0	32.0	110	90	225.0	500	1,000.0	1
2460050221 *	50.0	32.0	110	90	225.0	500	1,000.0	1
2460050222	50.0	40.0	110	110	225.0	500	1,000.0	1
2460063223 *	63.0	32.0	125	90	225.0	500	1,000.0	1
2460063224	63.0	40.0	125	110	225.0	500	1,000.0	1
2460063225	63.0	50.0	125	110	225.0	500	1,000.0	1
2460075226 *	75.0	32.0	140	90	225.0	500	1,000.0	1
2460075227	75.0	40.0	140	110	225.0	500	1,000.0	1
2460075228	75.0	50.0	140	110	225.0	500	1,000.0	1
2460075229	75.0	63.0	140	125	225.0	500	1,000.0	1
2460090230 *	90.0	32.0	160	90	225.0	500	1,000.0	1
2460090231	90.0	40.0	160	110	225.0	500	1,000.0	1
2460090232	90.0	50.0	160	110	225.0	500	1,000.0	1
2460090233	90.0	63.0	160	125	225.0	500	1,000.0	1
2460090234	90.0	75.0	160	140	225.0	500	1,000.0	1
2460110235 *	110.0	32.0	200	90	225.0	500	1,000.0	1
2460110236	110.0	40.0	200	110	225.0	500	1,000.0	1
2460110237	110.0	50.0	200	110	225.0	500	1,000.0	1
2460110238	110.0	63.0	200	125	225.0	500	1,000.0	1
2460110239	110.0	75.0	200	140	225.0	500	1,000.0	1
2460110240	110.0	90.0	200	160	225.0	500	1,000.0	1
2460125241 *	125.0	32.0	225	90	225.0	500	1,000.0	1
2460125242	125.0	40.0	225	110	225.0	500	1,000.0	1
2460125243	125.0	50.0	225	110	225.0	500	1,000.0	1
2460125244	125.0	63.0	225	125	225.0	500	1,000.0	1
2460125245	125.0	75.0	225	140	225.0	500	1,000.0	1
2460125246	125.0	90.0	225	160	225.0	500	1,000.0	1
2460125247	125.0	110.0	225	200	225.0	500	1,000.0	1
butt welding								
2464160248 *	160.0	32.0	250	90	225.0	500	1,000.0	1
2464160249	160.0	40.0	250	110	225.0	500	1,000.0	1
2464160250	160.0	50.0	250	110	225.0	500	1,000.0	1
2464160251	160.0	63.0	250	125	225.0	500	1,000.0	1
2464160252	160.0	75.0	250	140	225.0	500	1,000.0	1
2464160253	160.0	90.0	250	160	225.0	500	1,000.0	1
2464160254	160.0	110.0	250	200	225.0	750	1,500.0	1
2464160255	160.0	125.0	250	225	225.0	750	1,500.0	1

*branch d2 SDR 9

continued on next page …



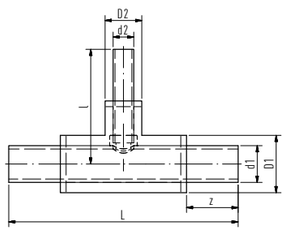
aquatherm energy red. branch

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

(continued) for aquatherm energy blue ot SDR 11 / *SDR 9 MF RP

Article no.	Ø outside d1	Ø outside d2	Ø outside D1	Ø outside D2	z	l	L	PU
butt welding								
2464200256 *	200.0	32.0	315	90	225.0	750	1,500.0	1
2464200257	200.0	40.0	315	110	225.0	750	1,500.0	1
2464200258	200.0	50.0	315	110	225.0	750	1,500.0	1
2464200259	200.0	63.0	315	125	225.0	750	1,500.0	1
2464200260	200.0	75.0	315	140	225.0	750	1,500.0	1
2464200261	200.0	90.0	315	160	225.0	750	1,500.0	1
2464200262	200.0	110.0	315	200	225.0	750	1,500.0	1
2464200263	200.0	125.0	315	225	225.0	750	1,500.0	1
2464200264	200.0	160.0	315	250	225.0	750	1,500.0	1
2464250265 *	250.0	32.0	400	90	225.0	750	1,500.0	1
2464250266	250.0	40.0	400	110	225.0	750	1,500.0	1
2464250267	250.0	50.0	400	110	225.0	750	1,500.0	1
2464250268	250.0	63.0	400	125	225.0	750	1,500.0	1
2464250269	250.0	75.0	400	140	225.0	750	1,500.0	1
2464250270	250.0	90.0	400	160	225.0	750	1,500.0	1
2464250271	250.0	110.0	400	200	225.0	750	1,500.0	1
2464250272	250.0	125.0	400	225	225.0	750	1,500.0	1
2464250273	250.0	160.0	400	250	225.0	750	1,500.0	1
2464250274	250.0	200.0	400	315	225.0	750	1,500.0	1

*branch d2 SDR 9



aquatherm energy red. branch

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

for aquatherm energy blue SDR 17.6 / SDR 11 MF RP

Article no.	Ø outside d1	Ø outside d2	Ø outside D1	Ø outside D2	z	l	L	PU
socket welding								
2367125335 *	125.0	32.0	225	90	225.0	500	1,000.0	1
2367125336 *	125.0	40.0	225	110	225.0	500	1,000.0	1
2367125337 *	125.0	50.0	225	110	225.0	500	1,000.0	1
2367125338 *	125.0	63.0	225	125	225.0	500	1,000.0	1
2360125339 *	125.0	75.0	225	140	225.0	500	1,000.0	1
2367125340 *	125.0	90.0	225	160	225.0	500	1,000.0	1
2360125341 *	125.0	110.0	225	200	225.0	500	1,000.0	1
butt welding								
2367160342 *	160.0	32.0	250	90	225.0	500	1,000.0	1
2367160343 *	160.0	40.0	250	110	225.0	500	1,000.0	1
2367160344 *	160.0	50.0	250	110	225.0	500	1,000.0	1
2367160345 *	160.0	63.0	250	125	225.0	500	1,000.0	1
2367160346 *	160.0	75.0	250	140	225.0	500	1,000.0	1
2367160347 *	160.0	90.0	250	160	225.0	500	1,000.0	1
2367160348 *	160.0	110.0	250	200	225.0	750	1,500.0	1
2367160349	160.0	125.0	250	225	225.0	750	1,500.0	1

*branch d2 SDR 11

continued on next page …

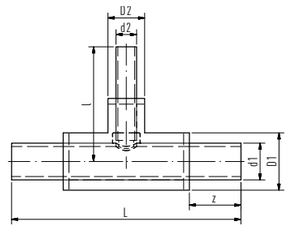
aquatherm energy red. branch

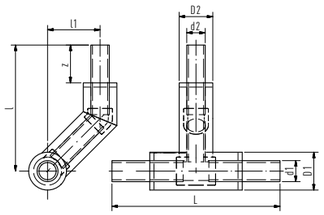
with PUR rigid foam and coated with a casing pipe made of PEHD

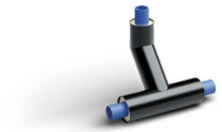
(continued) for aquatherm energy blue SDR 17.6 / SDR 11 MF RP

Article no.	Ø outside d1	Ø outside d2	Ø outside D1	Ø outside D2	z	l	L	PU
butt welding								
2367200350 *	200.0	32.0	315	90	225.0	750	1,500.0	1
2367200351 *	200.0	40.0	315	110	225.0	750	1,500.0	1
2367200352 *	200.0	50.0	315	110	225.0	750	1,500.0	1
2367200353 *	200.0	63.0	315	125	225.0	750	1,500.0	1
2367200354 *	200.0	75.0	315	140	225.0	750	1,500.0	1
2367200355 *	200.0	90.0	315	160	225.0	750	1,500.0	1
2367200356 *	200.0	110.0	315	200	225.0	750	1,500.0	1
2367200357	200.0	125.0	315	225	225.0	750	1,500.0	1
2367200358	200.0	160.0	315	250	225.0	750	1,500.0	1
2367250359 *	250.0	32.0	400	90	225.0	750	1,500.0	1
2367250360 *	250.0	40.0	400	110	225.0	750	1,500.0	1
2367250361 *	250.0	50.0	400	110	225.0	750	1,500.0	1
2367250362 *	250.0	63.0	400	125	225.0	750	1,500.0	1
2367250363 *	250.0	75.0	400	140	225.0	750	1,500.0	1
2367250364 *	250.0	90.0	400	160	225.0	750	1,500.0	1
2367250365 *	250.0	110.0	400	200	225.0	750	1,500.0	1
2367250366	250.0	125.0	400	225	225.0	750	1,500.0	1
2367250367	250.0	160.0	400	250	225.0	750	1,500.0	1
2367250368	250.0	200.0	400	315	225.0	750	1,500.0	1
2367315369 *	315.0	32.0	450	90	225.0	750	1,500.0	1
2367315370 *	315.0	40.0	450	110	225.0	750	1,500.0	1
2367315371 *	315.0	50.0	450	110	225.0	750	1,500.0	1
2367315372 *	315.0	63.0	450	125	225.0	750	1,500.0	1
2367315373 *	315.0	75.0	450	140	225.0	750	1,500.0	1
2367315374 *	315.0	90.0	450	160	225.0	750	1,500.0	1
2367315375 *	315.0	110.0	450	200	225.0	750	1,500.0	1
2367315376	315.0	125.0	450	225	225.0	750	1,500.0	1
2367315377	315.0	160.0	450	250	225.0	750	1,500.0	1
2367315378	315.0	200.0	450	315	225.0	750	1,500.0	1
2367315379	315.0	250.0	450	400	225.0	750	1,500.0	1
2367355380 *	355.0	32.0	500	90	225.0	750	1,500.0	1
2367355381 *	355.0	40.0	500	110	225.0	750	1,500.0	1
2367355382 *	355.0	50.0	500	110	225.0	750	1,500.0	1
2367355383 *	355.0	63.0	500	125	225.0	750	1,500.0	1
2367355384 *	355.0	75.0	500	140	225.0	750	1,500.0	1
2367355385 *	355.0	90.0	500	160	225.0	750	1,500.0	1
2367355386 *	355.0	110.0	500	200	225.0	750	1,500.0	1
2367355387	355.0	125.0	500	225	225.0	750	1,500.0	1
2367355388	355.0	160.0	500	250	225.0	750	1,500.0	1
2367355389	355.0	200.0	500	315	225.0	750	1,500.0	1
2367355390	355.0	250.0	500	400	225.0	750	1,500.0	1
2367355391	355.0	315.0	500	450	225.0	750	1,500.0	1

*branch d2 SDR 11







aquatherm energy cross-over branch

for aquatherm energy blue SDR 11 / *SDR 9 MF RP

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

Article no.	Ø outside d1	Ø outside d2	Ø outside D1	Ø outside D2	z	l	l1	L	PU
socket welding									
2360040138 *	40.0	32.0	110	90	225.0	750	750	1,000.0	1
2360050139 *	50.0	32.0	110	90	225.0	750	750	1,000.0	1
2360050140	50.0	40.0	110	110	225.0	750	750	1,000.0	1
2360063141 *	63.0	32.0	125	90	225.0	750	750	1,000.0	1
2360063142	63.0	40.0	125	110	225.0	750	750	1,000.0	1
2360063143	63.0	50.0	125	110	225.0	750	750	1,000.0	1
2360075144 *	75.0	32.0	140	90	225.0	750	750	1,000.0	1
2360075145	75.0	40.0	140	110	225.0	750	750	1,000.0	1
2360075146	75.0	50.0	140	110	225.0	750	750	1,000.0	1
2360075147	75.0	63.0	140	125	225.0	750	750	1,000.0	1
2360090148 *	90.0	32.0	160	90	225.0	750	750	1,000.0	1
2360090149	90.0	40.0	160	110	225.0	750	750	1,000.0	1
2360090150	90.0	50.0	160	110	225.0	750	750	1,000.0	1
2360090151	90.0	63.0	160	125	225.0	750	750	1,000.0	1
2360090152	90.0	75.0	160	140	225.0	750	750	1,000.0	1
2360110153 *	110.0	32.0	200	90	225.0	750	750	1,000.0	1
2360110154	110.0	40.0	200	110	225.0	750	750	1,000.0	1
2360110155	110.0	50.0	200	110	225.0	750	750	1,000.0	1
2360110156	110.0	63.0	200	125	225.0	750	750	1,000.0	1
2360110157	110.0	75.0	200	140	225.0	750	750	1,000.0	1
2360110158	110.0	90.0	200	160	225.0	750	750	1,000.0	1
2360125159 *	125.0	32.0	225	90	225.0	750	750	1,000.0	1
2360125160	125.0	40.0	225	110	225.0	750	750	1,000.0	1
2360125161	125.0	50.0	225	110	225.0	750	750	1,000.0	1
2360125162	125.0	63.0	225	125	225.0	750	750	1,000.0	1
2360125163	125.0	75.0	225	140	225.0	750	750	1,000.0	1
2360125164	125.0	90.0	225	160	225.0	750	750	1,000.0	1
2360125165	125.0	110.0	225	200	225.0	750	750	1,000.0	1
butt welding									
2364160166 *	160.0	32.0	250	90	225.0	750	750	1,000.0	1
2364160167	160.0	40.0	250	110	225.0	750	750	1,000.0	1
2364160168	160.0	50.0	250	110	225.0	750	750	1,000.0	1
2364160169	160.0	63.0	250	125	225.0	750	750	1,000.0	1
2364160170	160.0	75.0	250	140	225.0	750	750	1,000.0	1
2364160171	160.0	90.0	250	160	225.0	750	750	1,000.0	1
2364160172	160.0	110.0	250	200	225.0	1000	1000	1,000.0	1
2364160173	160.0	125.0	250	225	225.0	1000	1000	1,000.0	1

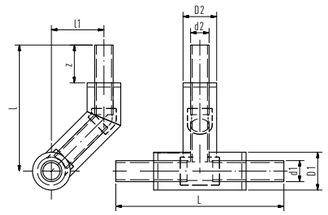
*branch d2 SDR 9

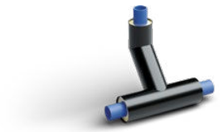
continued on next page …

aquatherm energy cross-over branch

(continued) for aquatherm energy blue SDR 11 / *SDR 9 MF RP

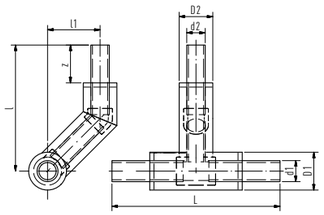
with PUR rigid foam and coated with a casing pipe made of PEHD

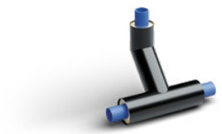




Article no.	Ø outside d1	Ø outside d2	Ø outside D1	Ø outside D2	z	l	l1	L	PU
butt welding									
2364200174 *	200.0	32.0	315	90	225.0	750	750	1,000.0	1
2364200175	200.0	40.0	315	110	225.0	750	750	1,000.0	1
2364200176	200.0	50.0	315	110	225.0	750	750	1,000.0	1
2364200177	200.0	63.0	315	125	225.0	750	750	1,000.0	1
2364200178	200.0	75.0	315	140	225.0	750	750	1,000.0	1
2364200179	200.0	90.0	315	160	225.0	750	750	1,000.0	1
2364200180	200.0	110.0	315	200	225.0	1000	1000	1,000.0	1
2364200181	200.0	125.0	315	225	225.0	1000	1000	1,500.0	1
2364200182	200.0	160.0	315	250	225.0	1000	1000	1,500.0	1
2364250183 *	250.0	32.0	400	90	225.0	750	750	1,000.0	1
2364250184	250.0	40.0	400	110	225.0	1000	1000	1,000.0	1
2364250185	250.0	50.0	400	110	225.0	1000	1000	1,000.0	1
2364250186	250.0	63.0	400	125	225.0	1000	1000	1,000.0	1
2364250187	250.0	75.0	400	140	225.0	1000	1000	1,000.0	1
2364250188	250.0	90.0	400	160	225.0	1000	1000	1,000.0	1
2364250189	250.0	110.0	400	200	225.0	1000	1000	1,000.0	1
2364250190	250.0	125.0	400	225	225.0	1000	1000	1,000.0	1
2364250191	250.0	160.0	400	250	225.0	1000	1000	1,500.0	1
2364250192	250.0	200.0	400	315	225.0	1000	1000	1,500.0	1
2364315193 *	315.0	32.0	450	90	225.0	1000	1000	1,000.0	1
2364315194	315.0	40.0	450	110	225.0	1000	1000	1,000.0	1
2364315195	315.0	50.0	450	110	225.0	1000	1000	1,000.0	1
2364315196	315.0	63.0	450	125	225.0	1000	1000	1,000.0	1
2364315197	315.0	75.0	450	140	225.0	1000	1000	1,000.0	1
2364315198	315.0	90.0	450	160	225.0	1000	1000	1,000.0	1
2364315199	315.0	110.0	450	200	225.0	1000	1000	1,000.0	1
2364315200	315.0	125.0	450	225	225.0	1000	1000	1,000.0	1
2364315201	315.0	160.0	450	250	225.0	1000	1000	1,000.0	1
2364315202	315.0	200.0	450	315	225.0	1000	1000	1,500.0	1
2364315203	315.0	250.0	450	400	225.0	1000	1000	1,500.0	1
2364355204 *	355.0	32.0	500	90	225.0	1000	1000	1,000.0	1
2364355205	355.0	40.0	500	110	225.0	1000	1000	1,000.0	1
2364355206	355.0	50.0	500	110	225.0	1000	1000	1,000.0	1
2364355207	355.0	63.0	500	125	225.0	1000	1000	1,000.0	1
2364355208	355.0	75.0	500	140	225.0	1000	1000	1,000.0	1
2364355209	355.0	90.0	500	160	225.0	1000	1000	1,000.0	1
2364355210	355.0	110.0	500	200	225.0	1000	1000	1,000.0	1
2364355211	355.0	125.0	500	225	225.0	1000	1000	1,000.0	1
2364355212	355.0	160.0	500	250	225.0	1000	1000	1,000.0	1
2364355213	355.0	200.0	500	315	225.0	1000	1000	1,000.0	1
2364355214	355.0	250.0	500	400	225.0	1000	1000	1,500.0	1
2364355215	355.0	315.0	500	450	225.0	1000	1000	1,500.0	1

*branch d2 SDR 9





aquatherm energy cross-over branch

for aquatherm energy blue ot SDR 11 / *SDR 9 MF RP

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

Article no.	Ø outside d1	Ø outside d2	Ø outside D1	Ø outside D2	z	l	l1	L	PU
socket welding									
2460040280 *	40.0	32.0	110	90	225.0	750	750	1,000.0	1
2460050281 *	50.0	32.0	110	90	225.0	750	750	1,000.0	1
2460050282	50.0	40.0	110	110	225.0	750	750	1,000.0	1
2460063283 *	63.0	32.0	125	90	225.0	750	750	1,000.0	1
2460063284	63.0	40.0	125	110	225.0	750	750	1,000.0	1
2460063285	63.0	50.0	125	110	225.0	750	750	1,000.0	1
2460075286 *	75.0	32.0	140	90	225.0	750	750	1,000.0	1
2460075287	75.0	40.0	140	110	225.0	750	750	1,000.0	1
2460075288	75.0	50.0	140	110	225.0	750	750	1,000.0	1
2460075289	75.0	63.0	140	125	225.0	750	750	1,000.0	1
2460090290 *	90.0	32.0	160	90	225.0	750	750	1,000.0	1
2460090291	90.0	40.0	160	110	225.0	750	750	1,000.0	1
2460090292	90.0	50.0	160	110	225.0	750	750	1,000.0	1
2460090293	90.0	63.0	160	125	225.0	750	750	1,000.0	1
2460090294	90.0	75.0	160	140	225.0	750	750	1,000.0	1
2460110295 *	110.0	32.0	200	90	225.0	750	750	1,000.0	1
2460110296	110.0	40.0	200	110	225.0	750	750	1,000.0	1
2460110297	110.0	50.0	200	110	225.0	750	750	1,000.0	1
2460110298	110.0	63.0	200	125	225.0	750	750	1,000.0	1
2460110299	110.0	75.0	200	140	225.0	750	750	1,000.0	1
2460110300	110.0	90.0	200	160	225.0	750	750	1,000.0	1
2460125301 *	125.0	32.0	225	90	225.0	750	750	1,000.0	1
2460125302	125.0	40.0	225	110	225.0	750	750	1,000.0	1
2460125303	125.0	50.0	225	110	225.0	750	750	1,000.0	1
2460125304	125.0	63.0	225	125	225.0	750	750	1,000.0	1
2460125305	125.0	75.0	225	140	225.0	750	750	1,000.0	1
2460125306	125.0	90.0	225	160	225.0	750	750	1,000.0	1
2460125307	125.0	110.0	225	200	225.0	750	750	1,000.0	1
butt welding									
2464160308 *	160.0	32.0	250	90	225.0	750	750	1,000.0	1
2464160309	160.0	40.0	250	110	225.0	750	750	1,000.0	1
2464160310	160.0	50.0	250	110	225.0	750	750	1,000.0	1
2464160311	160.0	63.0	250	125	225.0	750	750	1,000.0	1
2464160312	160.0	75.0	250	140	225.0	750	750	1,000.0	1
2464160313	160.0	90.0	250	160	225.0	750	750	1,000.0	1
2464160314	160.0	110.0	250	200	225.0	1000	1000	1,000.0	1
2464160315	160.0	125.0	250	225	225.0	1000	1000	1,000.0	1

*branch d2 SDR 11

continued on next page …

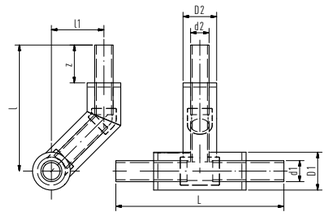
aquatherm energy cross-over branch

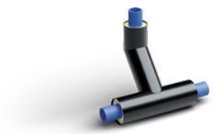
(continued) for aquatherm energy blue ot SDR 11 / *SDR 9 MF RP

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

Article no.	Ø outside d1	Ø outside d2	Ø outside D1	Ø outside D2	z	l	l1	L	PU
butt welding									
2464200316 *	200.0	32.0	315	90	225.0	750	750	1,000.0	1
2464200317	200.0	40.0	315	110	225.0	750	750	1,000.0	1
2464200318	200.0	50.0	315	110	225.0	750	750	1,000.0	1
2464200319	200.0	63.0	315	125	225.0	750	750	1,000.0	1
2464200320	200.0	75.0	315	140	225.0	750	750	1,000.0	1
2464200321	200.0	90.0	315	160	225.0	750	750	1,000.0	1
2464200322	200.0	110.0	315	200	225.0	1000	1000	1,000.0	1
2464200323	200.0	125.0	315	225	225.0	1000	1000	1,000.0	1
2464200324	200.0	160.0	315	250	225.0	1000	1000	1,000.0	1
2464250325 *	250.0	32.0	400	90	225.0	750	750	1,000.0	1
2464250326	250.0	40.0	400	110	250.0	1000	1000	1,000.0	1
2464250327	250.0	50.0	400	110	225.0	1000	1000	1,000.0	1
2464250328	250.0	63.0	400	125	225.0	1000	1000	1,000.0	1
2464250329	250.0	75.0	400	140	225.0	1000	1000	1,000.0	1
2464250330	250.0	90.0	400	160	225.0	1000	1000	1,000.0	1
2464250331	250.0	110.0	400	200	225.0	1000	1000	1,000.0	1
2464250332	250.0	125.0	400	225	225.0	1000	1000	1,000.0	1
2464250333	250.0	160.0	400	250	225.0	1000	1000	1,500.0	1
2464250334	250.0	200.0	400	315	225.0	1000	1000	1,500.0	1

*branch d2 SDR 9



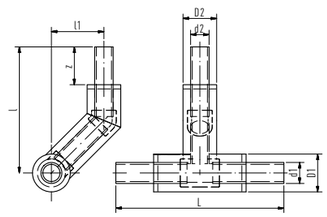


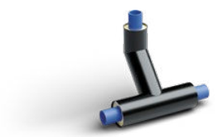
aquatherm energy cross-over branch

for aquatherm energy blue SDR 17.6 / SDR 11 MF RP

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

Article no.	Ø outside d1	Ø outside d2	Ø outside D1	Ø outside D2	z	l	l1	L	PU
socket welding									
2367125400 *	125.0	32.0	225	90	225.0	750	750	1,000.0	1
2367125401 *	125.0	40.0	225	110	225.0	750	750	1,000.0	1
2367125402 *	125.0	50.0	225	110	225.0	750	750	1,000.0	1
2360125403 *	125.0	63.0	225	125	225.0	750	750	1,000.0	1
2360125404 *	125.0	75.0	225	140	225.0	750	750	1,000.0	1
2360125405 *	125.0	90.0	225	160	225.0	750	750	1,000.0	1
2360125406 *	125.0	110.0	225	200	225.0	750	750	1,000.0	1
butt welding									
2367160407 *	160.0	32.0	250	90	225.0	750	750	1,000.0	1
2367160408 *	160.0	40.0	250	110	225.0	750	750	1,000.0	1
2367160409 *	160.0	50.0	250	110	225.0	750	750	1,000.0	1
2367160410 *	160.0	63.0	250	125	225.0	750	750	1,000.0	1
2367160411 *	160.0	75.0	250	140	225.0	750	750	1,000.0	1
2367160412 *	160.0	90.0	250	160	225.0	750	750	1,000.0	1
2367160413 *	160.0	110.0	250	200	225.0	1000	1000	1,000.0	1
2367160414	160.0	125.0	250	225	225.0	1000	1000	1,000.0	1





*branch d2 SDR 11

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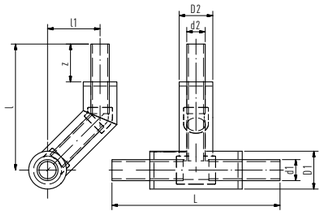
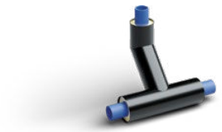




aquatherm energy cross-over branch

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

(continued) for aquatherm energy blue SDR 17.6 / SDR 11 MF RP

Article no.	Ø outside d1	Ø outside d2	Ø outside D1	Ø outside D2	z	l	l1	L	PU
butt welding									
2367200415 *	200.0	32.0	315	90	225.0	750	750	1,000.0	1
2367200416 *	200.0	40.0	315	110	225.0	750	750	1,000.0	1
2367200417 *	200.0	50.0	315	110	225.0	750	750	1,000.0	1
2367200418 *	200.0	63.0	315	125	225.0	750	750	1,000.0	1
2367200419 *	200.0	75.0	315	140	225.0	750	750	1,000.0	1
2367200420 *	200.0	90.0	315	160	225.0	750	750	1,000.0	1
2367200421 *	200.0	110.0	315	200	225.0	1000	1000	1,000.0	1
2367200422	200.0	125.0	315	225	225.0	1000	1000	1,500.0	1
2367200423	200.0	160.0	315	250	225.0	1000	1000	1,500.0	1
2367250424 *	250.0	32.0	400	90	225.0	750	750	1,000.0	1
2367250425 *	250.0	40.0	400	110	225.0	1000	1000	1,000.0	1
2367250426 *	250.0	50.0	400	110	225.0	1000	1000	1,000.0	1
2367250427 *	250.0	63.0	400	125	225.0	1000	1000	1,000.0	1
2367250428 *	250.0	75.0	400	140	225.0	1000	1000	1,000.0	1
2367250429 *	250.0	90.0	400	160	225.0	1000	1000	1,000.0	1
2367250430 *	250.0	110.0	400	200	225.0	1000	1000	1,000.0	1
2367250431	250.0	125.0	400	225	225.0	1000	1000	1,000.0	1
2367250432	250.0	160.0	400	250	225.0	1000	1000	1,500.0	1
2367250433	250.0	200.0	400	315	225.0	1000	1000	1,500.0	1
2367315434 *	315.0	32.0	450	90	225.0	1000	1000	1,000.0	1
2367315435 *	315.0	40.0	450	110	225.0	1000	1000	1,000.0	1
2367315436 *	315.0	50.0	450	110	225.0	1000	1000	1,000.0	1
2367315437 *	315.0	63.0	450	125	225.0	1000	1000	1,000.0	1
2367315438 *	315.0	75.0	450	140	225.0	1000	1000	1,000.0	1
2367315439 *	315.0	90.0	450	160	225.0	1000	1000	1,000.0	1
2367315440 *	315.0	110.0	450	200	225.0	1000	1000	1,000.0	1
2367315441	315.0	125.0	450	225	225.0	1000	1000	1,000.0	1
2367315442	315.0	160.0	450	250	225.0	1000	1000	1,000.0	1
2367315443	315.0	200.0	450	315	225.0	1000	1000	1,500.0	1
2367315444	315.0	250.0	450	400	225.0	1000	1000	1,500.0	1
2367355445 *	355.0	32.0	500	90	225.0	1000	1000	1,000.0	1
2367355446 *	355.0	40.0	500	110	225.0	1000	1000	1,000.0	1
2367355447 *	355.0	50.0	500	110	225.0	1000	1000	1,000.0	1
2367355448 *	355.0	63.0	500	125	225.0	1000	1000	1,000.0	1
2367355449 *	355.0	75.0	500	140	225.0	1000	1000	1,000.0	1
2367355450 *	355.0	90.0	500	160	225.0	1000	1000	1,000.0	1
2367355451 *	355.0	110.0	500	200	225.0	1000	1000	1,000.0	1
2367355452	355.0	125.0	500	225	225.0	1000	1000	1,000.0	1
2367355453	355.0	160.0	500	250	225.0	1000	1000	1,000.0	1
2367355454	355.0	200.0	500	315	225.0	1000	1000	1,000.0	1
2367355455	355.0	250.0	500	400	225.0	1000	1000	1,500.0	1
2367355456	355.0	315.0	500	450	225.0	1000	1000	1,500.0	1

*branch d2 SDR 11

aquatherm energy faser composite pipes à 5.8 m

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

for aquatherm energy green SDR 9 MF RP, socket welding

Article no.	Ø outside medium pipe d	Ø outside casing pipe D	PU [m]
1313032010	32	90.0	5.8
1313040012	40	110.0	5.8
1313050014	50	110.0	5.8
1313063016	63	125.0	5.8
1313075018	75	140.0	5.8
1313090020	90	160.0	5.8
1313110022	110	200.0	5.8
1313125024	125	225.0	5.8
1313160026 *	160	250.0	5.8

*butt welding
aquatherm energy green SDR 9 in dimensions from 200 mm (medium pipe) available on request.

aquatherm energy faser composite pipes à 11.6 m for aquatherm energy green SDR 9 MF RP, socket welding

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

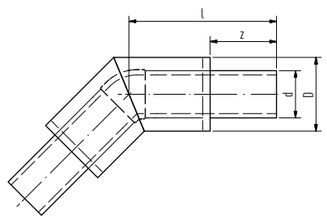
Article no.	Ø outside medium pipe d	Ø outside casing pipe D	PU [m]
1313032110	32	90.0	11.6
1313040112	40	110.0	11.6
1313050114	50	110.0	11.6
1313063116	63	125.0	11.6
1313075118	75	140.0	11.6
1313090120	90	160.0	11.6
1313110122	110	200.0	11.6
1313125124	125	225.0	11.6
1313160126*	160	250.0	11.6

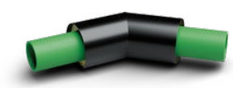
*butt welding
aquatherm energy green SDR 9 in dimensions from 200 mm (medium pipe) available on request.

aquatherm energy elbow 45° SL 500

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

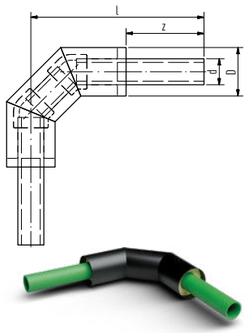
for aquatherm energy green SDR 9 MF RP, socket welding





Article no.	Ø outside medium pipe d	Ø outside casing pipe D	z	l	kg	PU
1383032001	32	90.0	225.0	500	1.114	1
1383040002	40	110.0	225.0	500	1.516	1
1383050003	50	110.0	225.0	500	0.131	1
1383063004	63	125.0	225.0	500	2.485	1
1383075005	75	140.0	225.0	500	3.273	1
1383090006	90	160.0	225.0	500	4.434	1
1383110007	110	200.0	225.0	500	6.504	1
1383125008	125	225.0	225.0	500	8.407	1
1383160009 *	160	250.0	225.0	500	11.573	1

*butt welding
also available in design 15° and 30°.



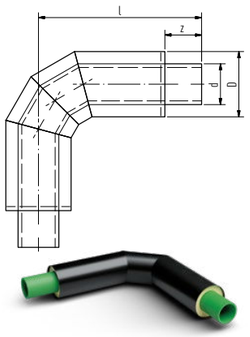
aquatherm energy elbow 90° SL 500

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

for aquatherm energy green SDR 9 MF RP, socket welding

Article no.	Ø outside medium pipe d	Ø outside casing pipe D	z	l	kg	PU
1383032040	32	90.0	225.0	500	1.120	1
1383040041	40	110.0	225.0	500	1.433	1
1383050042	50	110.0	225.0	500	1.812	1
1383063043	63	125.0	225.0	500	2.513	1
1383075044	75	140.0	225.0	500	3.294	1

also available in design 60° and 75°



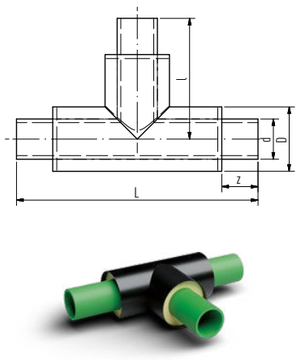
aquatherm energy elbow 90° SL 1000

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

for aquatherm energy green SDR 9 MF RP, socket welding

Article no.	Ø outside medium pipe d	Ø outside casing pipe D	z	l	kg	PU
1383032020	32	90.0	225.0	1000	2.582	1
1383040021	40	110.0	225.0	1000	3.770	1
1383050022	50	110.0	225.0	1000	4.293	1
1383063023	63	125.0	225.0	1000	6.000	1
1383075024	75	140.0	225.0	1000	7.341	1
1383090025	90	160.0	225.0	1000	8.988	1
1383110026	110	200.0	225.0	1000	14.523	1
1383125027	125	225.0	225.0	1000	18.239	1
1383160028 *	160	250.0	225.0	1000	24.112	1

*butt welding
also available in design 60° and 75°



aquatherm energy branch

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

for aquatherm energy green SDR 9 MF RP, socket welding

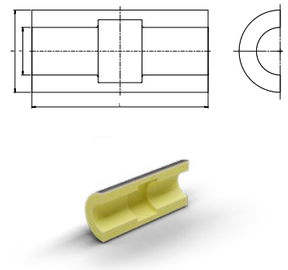
Article no.	Ø outside medium pipe d	Ø outside casing pipe D	z	l	L	kg	PU
1363032001	32	90.0	225.0	500	1,000.0	1.633	1
1363040002	40	110.0	225.0	500	1,000.0	2.243	1
1363050003	50	110.0	225.0	500	1,000.0	2.500	1
1363063004	63	125.0	225.0	500	1,000.0	3.500	1
1363075005	75	140.0	225.0	500	1,000.0	4.712	1
1363090006	90	160.0	225.0	500	1,000.0	6.440	1
1363110007	110	200.0	225.0	500	1,000.0	9.323	1
1363125008	125	225.0	225.0	500	1,000.0	0.012	1
1363160009 *	160	250.0	225.0	500	1,000.0	0.016	1

*butt welding

aquatherm energy half shells

with PUR-rigid foam insulation and PE casing pipe

straight

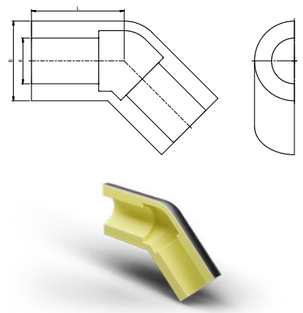


Article no.	Ø outside medium pipe d	Ø outside casing pipe D	Ø inside half shell d	Ø outside half shell D	l	PU
2370032001	32	90	35	90	474	1
2370040001	40	110	43	110	476,5	1
2370050001	50	110	53	110	476,5	1
2370063001	63	125	66	125	476,5	1
2370075001	75	140	79	140	476,5	1
2370090001	90	160	94	160	476,5	1
2370110001	110	200	115	200	478	1
2370125001	125	225	130	225	482	1
2370160001	160	250	165	250	455	1
2370200001	200	315	205	315	455	1
2370250001	250	400	256	400	455	1

aquatherm energy half shells

with PUR-rigid foam insulation and PE casing pipe

45° elbow

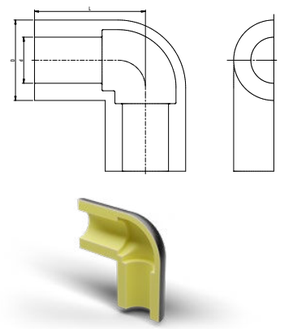


Article no.	Ø outside medium pipe d	Ø outside casing pipe D	Ø inside half shell d	Ø outside half shell D	l	PU
2380032002	32	90	35	90	242,5	1
2380040002	40	110	43	110	244,5	1
2380050002	50	110	53	110	246,5	1
2380063002	63	125	66	125	249	1
2380075002	75	140	79	140	251,5	1
2380090002	90	160	94	160	254,5	1
2380110002	110	200	114	200	258,5	1
2380125002	125	225	129	225	262	1
2380160002	160	250	165	250	330	1
2380200002	200	315	205	315	381	1
2380250002	250	400	256	400	417	1

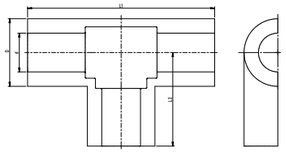
aquatherm energy half shells

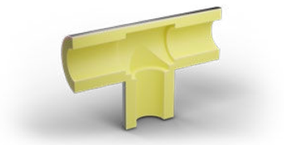
with PUR-rigid foam insulation and PE casing pipe

90° elbow



Article no.	Ø outside medium pipe d	Ø outside casing pipe D	Ø inside half shell d	Ø outside half shell D	l	PU
2380032001	32	90	35	90	252	1
2380040001	40	110	43	110	256	1
2380050001	50	110	53	110	261	1
2380063001	63	125	66	125	267,5	1
2380075001	75	140	79	140	273,5	1
2380090001	90	160	94	160	281	1
2380110001	110	200	114	200	291	1
2380125001	125	225	129	225	310,5	1
2380160001	160	250	165	250	380	1
2380200001	200	315	205	315	444	1
2380250001	250	400	256	400	475	1



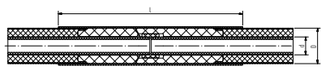


aquatherm energy half shells

with PUR-rigid foam insulation and PE casing pipe

T piece

Article no.	Ø outside medium pipe d	Ø outside casing pipe D	Ø inside half shell d	Ø outside half shell D	l	PU	LE
2360032010	32	90	35	90	504	252	1
2360040010	40	110	43	110	511	255,5	1
2360050010	50	110	53	110	522	261	1
2360063010	63	125	66	125	535	267,5	1
2360075010	75	140	79	140	547	273,5	1
2360090010	90	160	94	160	562	281	1
2360110010	110	200	114	200	582	291	1
2360125010	125	225	129	225	623	311,5	1
2360160010	160	250	165	250	760	380	1
2360200010	200	315	205	315	880	440	1
2360250010	250	400	256	400	956	478	1

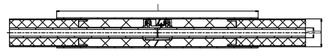


aquatherm energy socket WTD

Article no.	Ø outside medium pipe d	Ø outside casing pipe D	l	PU
socket welding: the fitting for the connection of the medium pipes is included in delivery				
1390032022	32	90.0	600	1
1390040024	40	110.0	600	1
1390050026	50	110.0	600	1
1390063028	63	125.0	600	1
1390075030	75	140.0	600	1
1390090032	90	160.0	600	1
1390110034	110	200.0	600	1
1390125036	125	225.0	600	1
butt welding: no fitting is required for the connection of the medium pipes				
1390160038	160	250.0	600	1
1390200040	200	315.0	600	1
1390250042	250	400.0	600	1
1390315044	315	450.0	600	1
1390355045	355	500.0	600	1

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.

aquatherm energy electrofusion socket energy WTD



socket welding

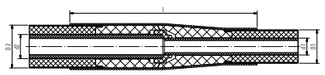
Article no.	Ø outside medium pipe d	Ø outside casing pipe D	l	PU
1390032046	32	90.0	600	1
1390040047	40	110.0	600	1
1390050048	50	110.0	600	1
1390063049	63	125.0	600	1
1390075050	75	140.0	600	1
1390090051	90	160.0	600	1
1390110052	110	200.0	600	1
1390125053	125	225.0	600	1
1390160054	160	250.0	600	1
1390200055	200	315.0	600	1
1390250056	250	400.0	600	1

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.

aquatherm energy insulation-socket-set

Article no.	Ø outside medium pipe d	Ø outside casing pipe D	PU
socket welding: the fitting for the connection of the medium pipes is included in delivery			
1340032114	32	90.0	1
1340040115	40	110.0	1
1340050116	50	110.0	1
1340063117	63	125.0	1
1340075118	75	140.0	1
1340090119	90	160.0	1
1340110120	110	200.0	1
1340125121	125	225.0	1
butt welding: no fitting is required for the connection of the medium pipes			
1340160122	160	250.0	1
1340200123	200	315.0	1
1340250124	250	400.0	1
1340315125	315	450.0	1
1347355126	355	500.0	1

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.

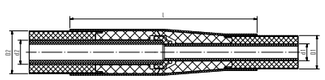


aquatherm energy reducing socket

socket welding

Article no.	Ø outside d2	Ø outside d1	Ø outside D1	Ø outside D2	l	PU
socket welding: up to 125 x 110mm. Larger sizes are socket weld one side, butt weld one side						
1340040103	40.0	32.0	90	110	900	1
1340050104	50.0	32.0	90	110	900	1
1340050105	50.0	40.0	110	110	900	1
1340063106	63.0	40.0	110	125	900	1
1340063107	63.0	50.0	110	125	900	1
1340075108	75.0	50.0	110	140	900	1
1340075109	75.0	63.0	125	140	900	1
1340090110	90.0	63.0	125	160	900	1
1340090111	90.0	75.0	140	160	900	1
1340110112	110.0	75.0	140	200	900	1
1340110113	110.0	90.0	160	200	900	1
1390125020	125.0	90.0	160	225	900	1
1390125021	125.0	110.0	200	225	900	1

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

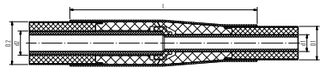


aquatherm energy reducing socket

for aquatherm energy green SDR 9

Article no.	Ø outside d2	Ø outside d1	Ø outside D1	Ø outside D2	l	PU
mutual socket welding						
2340160001	160.0	110.0	200	250	900	1
2340160003	160.0	125.0	225	250	900	1
2340200005	200.0	125.0	225	315	900	1

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



aquatherm energy reducing socket

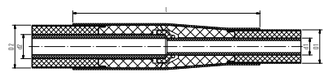
for aquatherm energy blue SDR 11

Article no.	Ø outside d2	Ø outside d1	Ø outside D1	Ø outside D2	l	PU
mutual socket welding						
2340160020	160.0	110.0	200	250	900	1
2340160021	160.0	125.0	225	250	900	1
2340200022	200.0	125.0	225	315	900	1
double-sided butt welding						
2340200023	200.0	160.0	250	315	900	1
2340250024	250.0	160.0	250	400	900	1
2340250025	250.0	200.0	315	400	900	1
2340315026	315.0	200.0	315	450	900	1
2340315027	315.0	250.0	400	450	900	1

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

aquatherm energy reducing socket

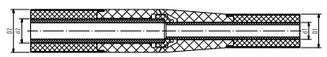
for aquatherm energy blue SDR 17.6



Article no.	Ø outside d2	Ø outside d1	Ø outside D1	Ø outside D2	l	PU
2347160060	160.0	110.0	200	250	900	1
2347160062	160.0	125.0	225	250	900	1
2347200064	200.0	125.0	225	315	900	1
2347200066	200.0	160.0	250	315	900	1
double-sided butt welding						
2347250068	250.0	160.0	250	400	900	1
2347250070	250.0	200.0	315	400	900	1
2347315072	315.0	200.0	315	450	900	1
2347315074	315.0	250.0	400	450	900	1

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

aquatherm energy insulation-reducing socket-set

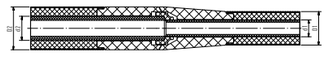


Article no.	Ø outside d2	Ø outside d1	Ø outside D1	Ø outside D2	PU
socket welding: up to 125 x 110mm. Larger sizes are socket weld one side, butt weld one side					
2340040030	40.0	32.0	90	110	1
2340050031	50.0	32.0	90	110	1
2340050032	50.0	40.0	110	110	1
2340063033	63.0	40.0	110	125	1
2340063034	63.0	50.0	110	125	1
2340075035	75.0	50.0	110	140	1
2340075036	75.0	63.0	125	140	1
2340090037	90.0	63.0	125	160	1
2340090038	90.0	75.0	140	160	1
2340110039	110.0	75.0	140	200	1
2340110040	110.0	90.0	160	200	1
2340125041	125.0	90.0	160	225	1
2340125042	125.0	110.0	200	225	1

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

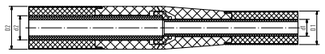
aquatherm energy insulation-reducing socket-set

for aquatherm energy blue SDR 11



Article no.	Ø outside d2	Ø outside d1	Ø outside D1	Ø outside D2	PU
2344160050	160.0	110.0	200	250	1
2344160051	160.0	125.0	225	250	1
2344200052	200.0	125.0	225	315	1
double-sided butt welding					
2344200053	200.0	160.0	250	315	1
2344250054	250.0	160.0	250	400	1
2344250055	250.0	200.0	315	400	1
2344315056	315.0	200.0	315	450	1
2344315057	315.0	250.0	400	450	1
2344355058	355.0	250.0	400	500	1
2344355059	355.0	315.0	450	500	1

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



aquatherm energy insulation-reducing socket-set

for aquatherm energy blue SDR 17.6

Article no.	Ø outside d2	Ø outside d1	Ø outside D1	Ø outside D2	PU
2347160061	160.0	110.0	200	250	1
2347160063	160.0	125.0	225	250	1
2347200065	200.0	125.0	225	315	1
2347200067	200.0	160.0	250	315	1
double-sided butt welding					
2347250069	250.0	160.0	250	400	1
2347250071	250.0	200.0	315	400	1
2347315073	315.0	200.0	315	450	1
2347315075	315.0	250.0	400	450	1
2347355077	355.0	250.0	400	500	1
2347355079	355.0	315.0	450	500	1

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

aquatherm energy mono top 40 insulation tape

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

Article no.	length	PU
9702411000	energy width 50 mm length 15m	1
9702411001	energy width 100 mm length 15m	1

aquatherm energy primer

Article no.	Quantity	PU
9702411002	energy can 1l	1

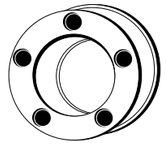
aquatherm energy closing collar

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

Article no.	Quantity	PU
2390032001	Closing collar 32 mm MR90	1
2390050002	Closing collar 40-50 mm MR110	1
2390075003	Closing collar 63-75 mm MR125-140	1
2390090004	Closing collar 90 mm MR160	1
2390110005	Closing collar 110 mm MR200	1
2390125006	Closing collar 125 mm MR225	1
2390160007	Closing collar 160 mm MR250	1
2390200008	Closing collar 200 mm MR315	1
2390250009	Closing collar 250 mm MR400	1
2390315010	Closing collar 315/355 mm MR450/500	1

aquatherm energy compact seals

Pipe collar for wall duct



Article no.	Ø core drill hole	Ø outside medium pipe	Ø outside casing pipe	PU
9701214212	150	32	90	1
9701214214	200	50	110	1
9701214218	200	63	125	1
9701214220	200	75	140	1
9701214222	250	90	160	1
9701214224	300	110	200	1
9701214226	350	125	225	1
9701214230	350	160	250	1
9701214234	400	200	315	1
9701214238	500	250	400	1
9701214242	550	315	450	1
9701214244	600	355	500	1

aquatherm energy warning tape

Colour: yellow / printing in black: "Attention district heating pipeline"

Article no.	Description	PU
9700050191	warning tape	1

aquatherm energy adhesive

Article no.	Amount	PU
9700000004	1 Cartridge (290 ml)	1

aquatherm energy shrink tape

Article no.	Width	length	PU
9702411002	100 mm	10m	1

aquatherm red

Pipe system made of polypropylene

aquatherm red is the first plastic sprinkler pipe system certified by VDS Schadenverhütung GmbH, Europe's largest institute for company safety.

The material used, fusiolen® PP-R FS, was developed for the special requirements of sprinkler systems. aquatherm red offers a high level of safety due to its flame retardant properties and its corrosion resistance. The welding of pipe and fitting also ensures a tight connection.

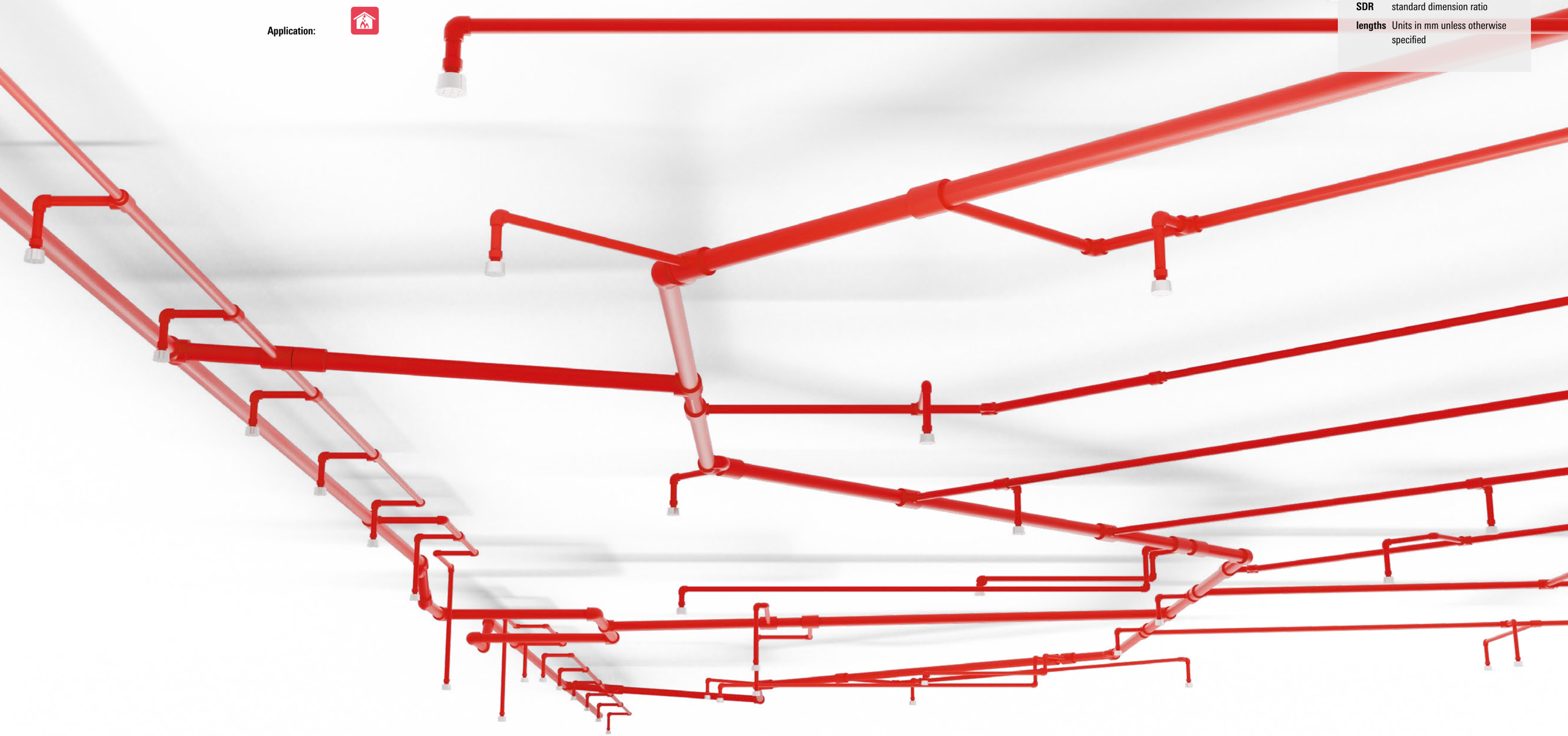
Application:

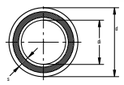
For sprinkler application

	25	32	40	50	63	75	90	110	125
SDR 7.4 HI	○	○	○	○	○	○	○	○	○

Legend table abbreviations:

d	diameter in mm
D	diameter in mm
s	wall thickness in mm
di	internal diameter in mm
l/m	water content in litres/metre
kg/m	weight data in kg per metre
DN	diameter nominal
PU	packing unit in metre
SDR	standard dimension ratio
lengths	Units in mm unless otherwise specified





aquatherm red SDR 7.4 MF HI

socket welding — SDR 7.4

Material:	fusiolen® PP-R FS
Pipe series:	7.4
Colour:	red with green stripes
Packing unit:	5.8 m straight lengths

Article no.	Dimension	d [mm]	s [mm]	di [mm]	l/m	kg/m	DN	PU [m]
3012025008	25 x 3.5 mm	25	3.5	18.0	0.254	0.249	15	116
3012032010	32 x 4.4 mm	32	4.4	23.2	0.423	0.400	20	58
3012040012	40 x 5.5 mm	40	5.5	29.0	0.660	0.621	25	58
3012050014	50 x 6.9 mm	50	6.9	36.2	1.029	0.968	32	29
3012063016	63 x 8.6 mm	63	8.6	45.8	1.647	1.521	40	17.4
3012075018	75 x 10.3 mm	75	10.3	54.4	2.323	2.165	50	17.4
3012090020	90 x 12.3 mm	90	12.3	65.4	3.358	3.101	65	11.6
3012110022	110 x 15.1 mm	110	15.1	79.8	4.999	4.642	80	5.8
3012125024	125 x 17.1 mm	125	17.1	90.8	6.472	5.974	90	5.8

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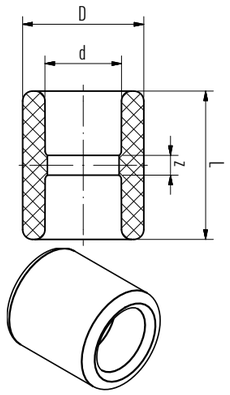
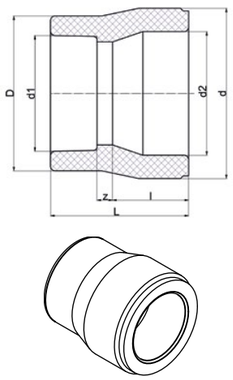


aquatherm red socket / B1

socket welding

Article no.	d	D	L	z	kg	PU
3040025020	25	34.0	35.0	3.0	0.014	10
3040032021	32	43.0	40.5	4.5	0.027	5
3040040022	40	52.0	47.5	6.5	0.044	5
3040050023	50	68.0	53.0	6.0	0.086	5
3040063024	63	84.0	60.5	5.5	0.145	1
3040075025	75	100.0	66.5	6.5	0.233	1
3040090026	90	120.0	72.5	6.5	0.353	1
3040110027	110	147.0	82.0	8.0	0.606	1
3040125028	125	167.0	92.0	12.0	0.819	1



aquatherm red reducer / B1

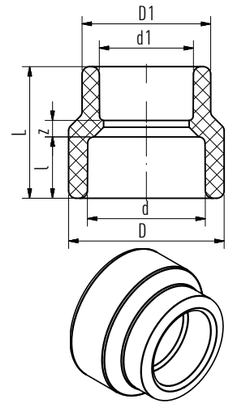
socket welding — SDR 7.4

Article no.	d	d1	l	D	L	z	kg	PU
3040032030	32	25.0	18	34.0	38.0	4.0	0.016	5
3040040031	40	32.0	20.5	43.0	50.0	11.5	0.033	5
3040050032	50	32.0	23.5	43.0	54.0	12.5	0.054	5
3040050033	50	40.0	23.5	52.0	53.0	9.0	0.059	5
3040063034	63	50.0	27.5	68.0	63.5	12.5	0.122	1
3040075035	75	50.0	30	68.0	63.0	9.5	0.143	1
3040075036	75	63.0	30	84.0	71.0	13.5	0.173	1
3040090037	90	63.0	33	84.0	78.0	17.5	0.232	1
3040090038	90	75.0	33	100.0	81.5	18.5	0.281	1
3040110039	110	63.0	37	84.0	86.0	21.5	0.363	1
3040110040	110	90.0	37	120.0	99.0	29.0	0.564	1
3040125041	125	90.0	40	120.0	99.0	26.0	0.831	1
3040125042	125	110.0	40	147.0	112.0	35.0	0.811	1

aquatherm red reducing socket / B1 / female/female

socket welding

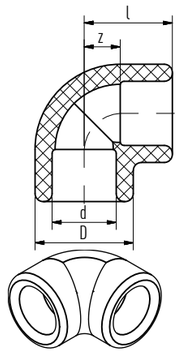
Article no.	d	d1	l	D	D1	L	z	kg	PU
3040063005	63	50.0	27.5	84.0	68	56.0	5.0	0.126	1
3040075006	75	63.0	30	100.0	84	62.5	5.0	0.191	1
3040090007	90	75.0	33	120.0	100	69.0	6.0	0.297	1



aquatherm red elbow 90° / B1

socket welding — SDR 7.4

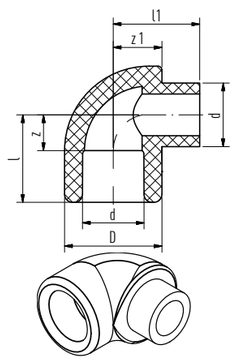
Article no.	d	l	D	z	kg	PU
3080025001	25	29.5	34.0	13.5	0.023	10
3080032002	32	35	43.0	17.0	0.043	5
3080040003	40	41.5	52.0	21.0	0.071	5
3080050004	50	49.5	68.0	26.0	0.158	5
3080063005	63	60	84.0	32.5	0.276	1
3080075006	75	68.5	100.0	38.5	0.446	1
3080090007	90	79	120.0	46.0	0.798	1
3080110008	110	93	147.0	56.0	1.323	1
3080125009	125	116.5	167.0	76.5	2.026	1

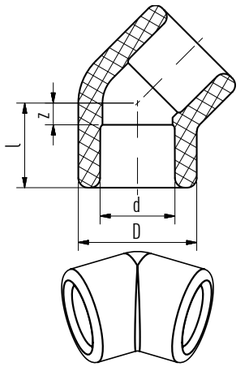


aquatherm red elbow 90° / B1 / female/male

socket welding

Article no.	d	l	l1	D	z	z1	kg	PU
3080032010	32	35	39.0	43.0	17.0	21.5	0.049	5
3080040011	40	41.5	45.5	52.0	21.0	26	0.081	5

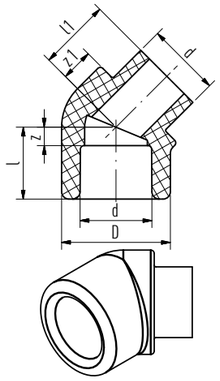




aquatherm red elbow 45° / B1

socket welding — SDR 7.4

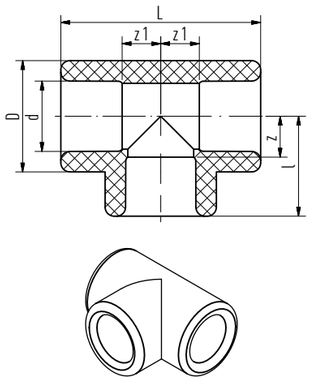
Article no.	d	l	D	z	kg	PU
3080025020	25	22	34.0	6.0	0.019	10
3080032021	32	25.5	43.0	7.5	0.035	5
3080040022	40	30	52.0	9.5	0.057	5
3080050023	50	35	68.0	11.5	0.112	5
3080063024	63	41.5	84.0	14.0	0.233	1
3080075025	75	46.5	100.0	16.5	0.353	1
3080090026	90	52.5	120.0	19.5	0.571	1
3080110027	110	60.5	147.0	23.5	0.993	1
3080125028	125	67	167.0	27.0	1.281	1



aquatherm red elbow 45° / B1 / female/male

socket welding

Article no.	d	l	l1	D	z	z1	kg	PU
3080032029	32	25.5	28.5	43.0	7.5	11.5	0.036	5
3080040030	40	30	30.5	52.0	9.5	13.5	0.059	5



aquatherm red tee / B1

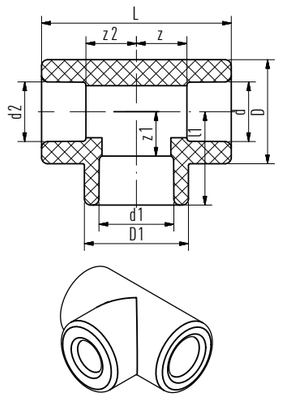
socket welding — SDR 7.4

Article no.	d	l	D	L	z	z1	kg	PU
3060025012	25	30.5	34.0	62.0	14.5	15	0.033	10
3060032013	32	33.5	43.0	70.0	15.5	17	0.053	5
3060040014	40	40.5	52.0	81.0	20.0	20	0.093	5
3060050004	50	49.5	68.0	99.0	26.0	26	0.200	5
3060063005	63	60	84.0	120.0	32.5	32.5	0.377	1
3060075006	75	68.5	100.0	137.0	38.5	38.5	0.537	1
3060090007	90	80	120.0	158.0	47.0	46	0.986	1
3060110008	110	93	147.0	186.0	56.0	56	1.632	1
3060125009	125	116.5	167.0	233.0	76.5	76.5	2.693	1

aquatherm red tee / B1

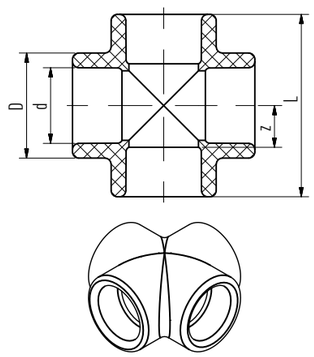
socket welding — SDR 7.4

Article no.	d	d1	d2	l1	D	D1	L	z	z1	z2	kg	PU
3060040010	40	32.0	40.0	40.5	52.0	52	84.0	21.5	22.5	21.5	0.106	5
3060050011	50	32.0	50.0	44.5	68.0	43	99.0	26.0	26.5	26.0	0.174	5
3060050012	50	40.0	50.0	49.5	68.0	68	99.0	26.0	29	26.0	0.221	5
3060063013	63	32.0	63.0	53.5	84.0	52	120.0	32.5	35.5	32.5	0.355	1
3060063014	63	40.0	63.0	53.5	84.0	52	120.0	32.5	33	32.5	0.341	1
3060063015	63	50.0	63.0	60.0	84.0	68	120.0	32.5	36.5	32.5	0.411	1
3060075016	75	40.0	75.0	59.0	100.0	52	137.0	38.5	38.5	38.5	0.494	1
3060075017	75	50.0	75.0	66.0	100.0	84	137.0	38.5	42.5	38.5	0.540	1
3060075018	75	63.0	75.0	66.0	100.0	84	137.0	38.5	38.5	38.5	0.507	1
3060090019	90	40.0	90.0	66.5	120.0	52	158.0	46.0	46	46.0	0.986	1
3060090020	90	50.0	90.0	69.5	120.0	68	158.0	46.0	46	46.0	0.976	1
3060090021	90	63.0	90.0	73.5	120.0	84	158.0	46.0	46	46.0	0.969	1
3060090022	90	75.0	90.0	76.0	120.0	100	158.0	46.0	46	46.0	0.997	1
3060110023	110	63.0	110.0	83.5	147.0	84	186.0	56.0	56	56.0	1.691	1
3060110024	110	75.0	110.0	86.0	147.0	100	186.0	56.0	56	56.0	1.634	1
3060110025	110	90.0	110.0	89.0	147.0	120	186.0	56.0	56	56.0	1.569	1
3060125026	125	75.0	125.0	106.5	167.0	100	233.0	76.5	76.5	76.5	2.475	1
3060125027	125	90.0	125.0	109.5	167.0	120	233.0	76.5	76.5	76.5	2.542	1
3060125028	125	110.0	125.0	113.5	167.0	147	233.0	76.5	76.5	76.5	2.606	1



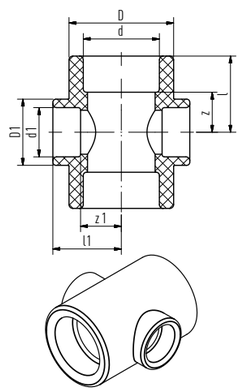
aquatherm red cross / B1

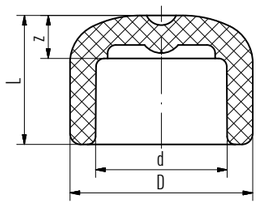
Article no.	d	D	L	z	kg	PU
3040032000	32	43.0	70.0	17.0	0.064	5
3040040001	40	52.0	83.0	21.0	0.101	5

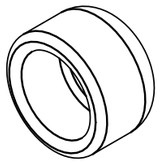


aquatherm red reducing tee / B1

Article no.	d	d1	l	l1	D	D1	z	z1	kg	PU
3040050010	50	32.0	49.5	44.5	68.0	43	26.0	26.5	0.180	1
3040063011	63	32.0	60	53.5	84.0	52	32.5	35.5	0.350	1
3040063012	63	40.0	60	53.5	84.0	52	32.5	33	0.328	1
3040075013	75	32.0	68.5	59.0	100.0	52	38.5	41	0.509	1
3040075014	75	40.0	68.5	59.0	100.0	52	38.5	38.5	0.499	1
3040075015	75	50.0	68.5	66.0	100.0	68	38.5	42.5	0.528	1
3040090016	90	50.0	68.5	75.0	120.0	68	35.5	51.5	0.762	1



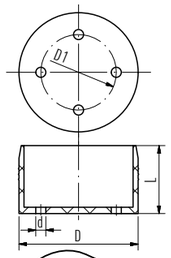




aquatherm red end cap / B1

socket welding

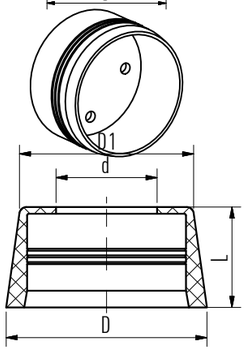
Article no.	d	D	L	z	kg	PU
3020032010	32	43.0	29.0	11.0	0.044	5
3020040012	40	52.0	38.0	17.5	0.042	5
3020050014	50	68.0	44.5	21.0	0.082	5
3020063016	63	84.0	52.0	24.5	0.153	1
3020075018	75	100.0	58.5	28.5	0.245	1
3020090020	90	120.0	67.5	34.5	0.377	1
3020110022	110	147.0	65.0	28.0	0.648	1
3020125024	125	167.0	82.0	42.0	0.872	1



aquatherm red base part for sprinkler outlet

for visible sprinkler

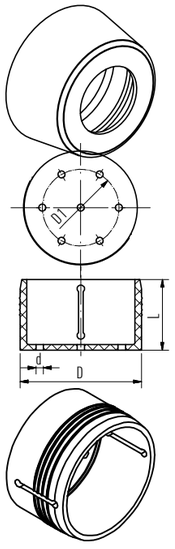
Article no.	d	D	D1	L	kg	PU
3090000001	4	47.4	30	27.0	0.013	25



aquatherm red upper part for sprinkler outlet

for visible sprinkler

Article no.	Dimension	d	D	D1	L	kg	PU
3090000002	1/2“	23.2	60.0	51.4	30.5	0.022	25
3090000003	3/4“	30.2	60.0	51.6	30.0	0.022	25
3090000004	1“	35.2	60.0	51.6	30.0	0.021	25



aquatherm red base part for sprinkler outlet

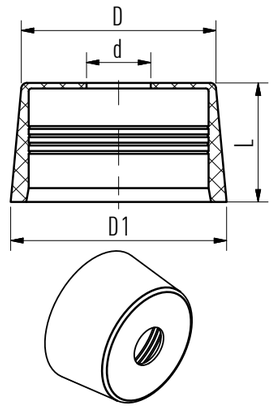
for covered sprinkler

Article no.	d	D	D1	L	kg	PU
3090000005	4	65.0	44	38.0	0.034	25

aquatherm red upper part for sprinkler outlet

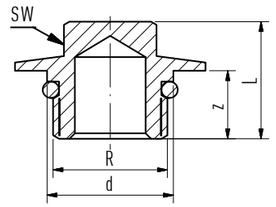
for covered sprinkler

Article no.	Dimension	d	D	D1	L	kg	PU
3090000006	1/2“	23.2	70.0	78	43.0	0.057	25
3090000007	3/4“	30.2	70.0	78	43.0	0.057	25
3090000008	1“	35.2	70.0	78	43.0	0.056	25



aquatherm red plug for sprinkler outlet

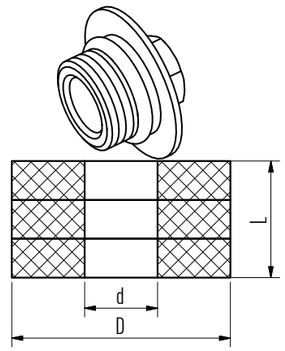
Article no.	R	d	L	z	SW	kg	PU
3050000010	1/2“	23	21.5	12.5	15	0.043	25
3050000011	3/4“	30	23.0	12.5	17	0.058	25
3050000013	1“	35	24.0	13.0	17	0.076	25



aquatherm red temporary plug for plaster works

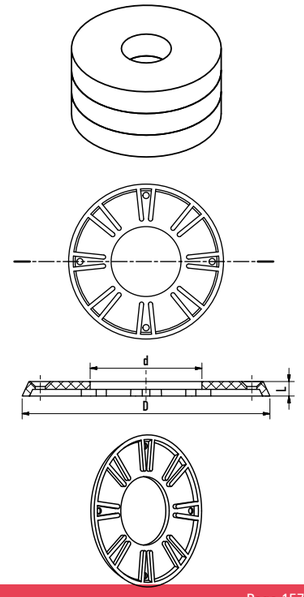
made of PE foam

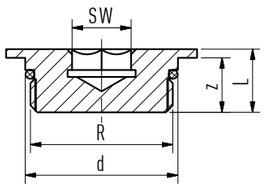
Article no.		d	D	L	kg	PU
9704114178	for art no. 3090000002, 03, 04	20	60.0	32.0	0.003	50
9704114179	for art no. 3090000006, 07, 08	20	75.5	42.0	0.005	50

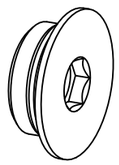


aquatherm red sprinkler outlet

Article no.	R	d	D	L	kg	PU
3090000009	1 1/4“	44.1	100.1	6.5	0.028	10
3090000010	1 1/2“	50.1	111.1	6.5	0.034	10
3090000011	2“	61.1	126.1	6.5	0.043	10

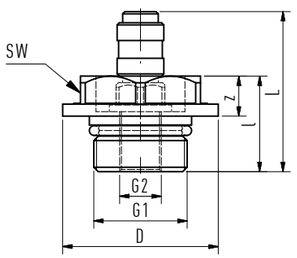


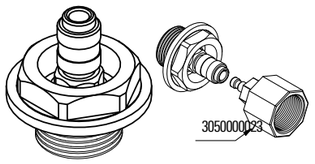




aquatherm red plug for sprinkler outlet

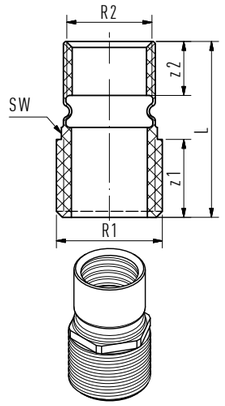
Article no.	R	d	L	z	SW	kg	PU
3050000015	1 1/4"	44	18.2	15.7	17	0.203	10
3050000016	1 1/2"	50	18.0	15.5	17	0.260	10
3050000017	2"	61	20.0	17.5	17	0.443	10





aquatherm red plug for pressure test

Article no.	l	D	L	z	G1	G2	SW	kg	PU
3050000020	21.5	35.0	36.0	9.0	1/2"	1/8"	27	0.072	10
3050000021	21.5	35.0	36.0	9.0	3/4"	1/8"	27	0.093	10
3050000022	21.5	40.0	36.0	8.5	1"	1/8"	27	0.126	10
coupling plug 1/2"									
3050000023		1/2" for Art. no. 3050000020-3050000022						0.040	1



aquatherm red compensating joint

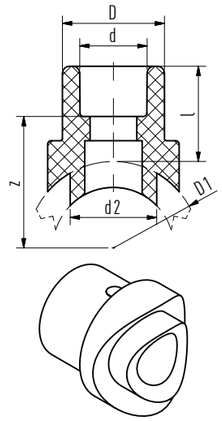
Article no.	L	z1	z2	R1	R2	SW	kg	PU
9604114230	44.0	17.5	15.5	3/4"	3/8"	24	0.054	10
9604114232	44.0	19.5	13.5	3/4"	1/2"	24	0.043	10
9604114234	45.0	17	17.0	1"	1"	36	0.067	10
9604114236	44.0	19.5	13.5	1"	1/2"	30	0.052	10

aquatherm red weld-in saddle / B1

socket welding — with weld-on surface and weld-in socket to be fused with the inner wall of the pipe.

Article no.	Dimension	d	d2	l	D	D1	z	kg	PU
3030063001	saddle 63/32 mm	32	32.0	30	43.0	63	43.5	0.028	5
3030075002	saddle 75/32 mm	32	32.0	30	43.0	75	49.5	0.028	5
3030075003	saddle 75/40 mm	40	40.0	34	52.0	75	51.0	0.049	5
3030090004	saddle 90/32 mm	32	32.0	30	43.0	90	57.0	0.029	5
3030090005	saddle 90/40 mm	40	40.0	34	52.0	90	58.5	0.048	5
3030110006	saddle 110/32 mm	32	32.0	30	43.0	110	67.0	0.030	5
3030110007	saddle 110/40 mm	40	40.0	34	52.0	110	68.5	0.050	5
3030110008	saddle 110/50 mm	50	50.0	34	68.0	110	65.5	0.030	5
3030125009	saddle 125/32 mm	32	32.0	30	43.0	125	74.5	0.029	5
3030125010	saddle 125/40 mm	40	40.0	34	52.0	125	76.0	0.050	5
3030125011	saddle 125/50 mm	50	50.0	34	68.0	125	73.0	0.030	5
3030125012	saddle 125/63 mm	63	63.0	38	84.0	125	73.0	0.154	5

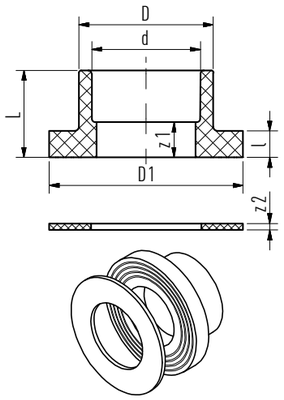
aquatherm red weld-in saddle tools Art. no. 9800050620, 9800050624, 9800050625, 9800050628, 9800050629, 9800050632, 9800050634, 9800050635, 9800050638, 9800050640, 9800050642, 9800050644
aquatherm drill Art. no. 9800050942–9800050948



aquatherm red weldable flange adapter / B1

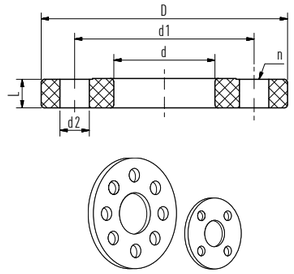
socket welding — with joint ring

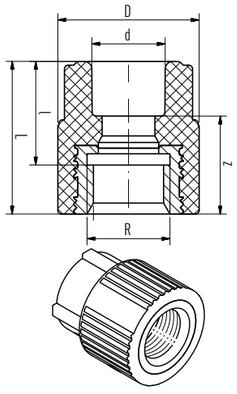
Article no.	d	l	D	D1	L	z1	z2	kg	PU
3050032001	32	10	41.0	68	34.0	16	3.0	0.053	1
3050040002	40	11	50.0	78	35.5	15	3.0	0.071	1
3050050003	50	12	61.0	88	39.5	17	3.0	0.095	1
3050063004	63	14	76.0	102	43.5	16	3.0	0.130	1
3050075005	75	16	90.0	122	46.0	16	3.0	0.191	1
3050090006	90	17	108.0	138	50.0	17	3.0	0.258	1
3050110007	110	18.5	131.0	158	55.5	18.5	3.0	0.329	1
3050125008	125	20	165.0	188	63.0	23	3.0	0.724	1



aquatherm red steel flange

Article no.	Dimension	d	d1	d2	D	L	n	kg	PU
9604114200	32	42	85.0	14.0	115.0	16.0	4	1.046	1
9604114201	40	51	100.0	18.0	140.0	16.0	4	1.589	1
9604114202	50	62	110.0	18.0	150.0	16.0	4	1.675	1
9604114206	63	78	125.0	18.0	165.0	16.0	4	2.016	1
9604114207	75	92	145.0	18.0	185.0	16.0	4	2.437	1
9604114208	90	110	160.0	18.0	200.0	18.0	8	2.699	1
9604114212	110	133	180.0	18.0	220.0	18.0	8	3.084	1
9604114213	125	167	210.0	18.0	250.0	18.0	8	3.654	1

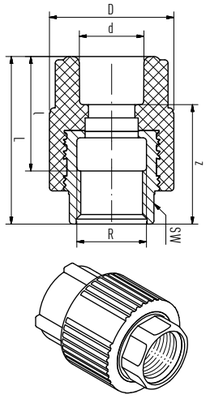




aquatherm red transition piece / B1, round

for the connection to sprinkler outlets, round

Article no.	Dimension	d	l	D	L	z	R	kg	PU
3070025020	25 mm x 1/2"	25	29.5	38.5	42.5	26.5	1/2"	0.065	10
3070025021	25 mm x 3/4"	25	27.5	43.5	40.5	24.5	3/4"	0.087	10
3070032022	32 mm x 3/4"	32	30.5	43.5	43.5	25.5	3/4"	0.092	5
3070032023	32 mm x 1/2"	32	30	37.5	43.0	25.0	1/2"	0.076	5
3070040024	40 mm x 1/2"	40	32.5	37.5	45.5	25.0	1/2"	0.078	5
3070040025	40 mm x 3/4"	40	33	50.0	46.0	25.5	3/4"	0.105	5

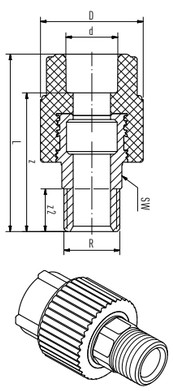


aquatherm red transition piece / B1, with hexagon

with hexagon

Article no.	Dimension	d	l	D	L	z	R	SW	kg	PU
3070032026	32 mm x 3/4"	32	32	43.5	53.0	35.0	3/4"	31	0.104	5
3070032027 *	32 mm x 1"	32	37.5	60.0	59.5	41.5	1"	39	0.239	5
3070040028 *	40 mm x 1"	40	40	60.0	62.0	41.5	1"	39	0.227	5
3070040029	40 mm x 1 1/4"	40	40	74.0	63.0	42.5	1 1/4"	50	0.385	5
3070050030	50 mm x 1 1/4"	50	43	74.0	66.0	42.5	1 1/4"	50	0.404	5
3070050031	50 mm x 1 1/2"	50	45	85.5	67.0	43.5	1 1/2"	55	0.445	5
3070063032	63 mm x 1 1/2"	63	51.5	84.0	73.5	46.0	1 1/2"	55	0.479	1
3070063033	63 mm x 2"	63	50	101.0	76.0	49.5	2"	67	0.662	1
3070075034	75 mm x 2"	75	51	100.0	77.0	47.0	2"	67	0.671	1
3070032035	32 mm x 1/2"	32	37	37.5	53.0	35.0	1/2"	24	0.091	5
3070040036	40 mm x 1/2"	40	38	40.0	54.0	33.5	1/2"	24	0.094	5

*suitable for the connection to sprinkler outlets

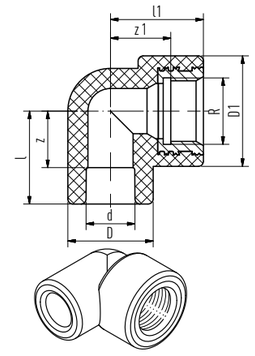


aquatherm red transition piece / B1, with hexagon

Article no.	Dimension	d	D	L	z	z2	R	SW	kg	PU
3070032037	32 mm x 3/4"	32	38.5	69.5	51.5	17.0	3/4"	24	0.135	5
3070032038	32 mm x 1"	32	53.0	78.5	60.5	20.0	1"	32	0.244	5
3070032039	32 mm x 1 1/4"	32	68.0	81.0	63.0	21.0	1 1/4"	41	0.324	5
3070040040	40 mm x 1"	40	52.0	81.0	60.5	20.0	1"	32	0.251	5
3070040041	40 mm x 1 1/4"	40	68.0	84.5	64.0	21.0	1 1/4"	41	0.362	5
3070050042	50 mm x 1 1/4"	50	68.0	85.5	62.0	21.0	1 1/4"	41	0.389	5
3070050043	50 mm x 1 1/2"	50	74.0	88.5	65.0	22.0	1 1/2"	46	0.480	5
3070063044	63 mm x 1 1/2"	63	72.5	94.5	67.0	22.0	1 1/2"	46	0.523	1
3070063045	63 mm x 2"	63	84.0	102.5	75.0	23.5	2"	50	0.708	1
3070075046	75 mm x 2"	75	84.0	102.0	72.0	23.5	2"	50	0.753	1
3070075047	75 mm x 2 1/2"	75	100.0	105.0	75.0	26.7	2 1/2"	65	1.024	1
3070090048 *	90 mm x 3"	90	120.0	121.0	88.0	30.0	3"	85	1.488	1
3070110049 *	110 mm x 4"	110	147.0	148.0	111.0	39.0	4"	105	2.816	1

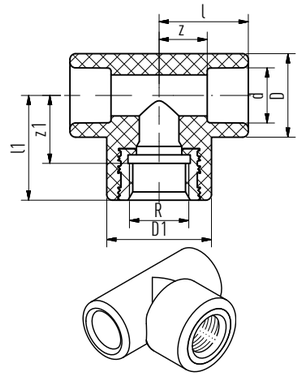
aquatherm red transition elbow 90° / B1

Article no.	Dimension	d	l	l1	D	D1	z	z1	R	kg	PU
3070032001	32 mm x 1/2"	32	35	37.0	43.0	37	17.0	24	1/2"	0.088	10
3070032003	32 mm x 3/4"	32	27.5	51.0	43.0	44	9.5	38	3/4"	0.112	5
3070032004	32 mm x 1"	32	34	66.5	43.0	60.5	16.0	44.5	1"	0.265	5
3070040004	40 mm x 1/2"	40	41.75	40.0	52.0	37	21.3	27	1/2"	0.116	5
3070040005	40 mm x 1"	40	41.5	56.0	52.0	60	21.0	34	1"	0.265	5



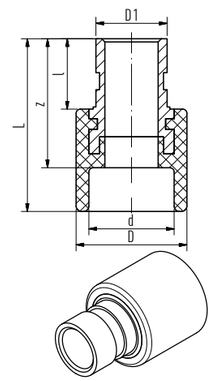
aquatherm red threaded branch tee / B1

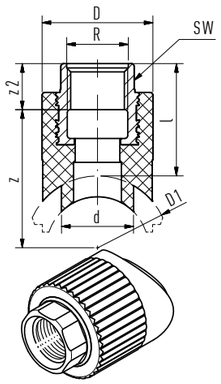
Article no.	Dimension	d	l	l1	D	D1	z	z1	R	kg	PU
3060025030	25 x 1/2" x 25 mm	25	34.5	38.0	34.0	37	18.5	25	1/2"	0.088	10
3060032031	32 x 1/2" x 32 mm	32	35	37.0	43.0	37	17.0	24	1/2"	0.113	5
3060032032	32 x 3/4" x 32 mm	32	27.5	51.0	43.0	44	9.5	38	3/4"	0.118	5
3060032033	32 x 1"x 32 mm	32	31.5	67.0	43.0	60	13.5	45	1"	0.274	5
3060040034	40 x 1/2" x 40 mm	40	42	40.0	52.0	37	21.5	27	1/2"	0.113	5
3060040035	40 x 3/4" x 40 mm	40	40.5	40.5	52.0	52	20.0	27.5	3/4"	0.157	5
3060040036	40 x 1" x 40 mm	40	41.5	56.0	52.0	60	21.0	34	1"	0.279	5
3060050037	50 x 1" x 50 mm	50	49.5	63.5	68.0	68.3	26.0	41.5	1"	0.387	5
3060050038	50 x 1 1/4" x 50 mm	50	49.5	66.5	68.0	68	26.0	47.5	1 1/4"	0.478	5
3060050040	50 x 1/2" x 50 mm	50	49.5	44.5	68.0	43	26.0	31.5	1/2"	0.237	5
3060050041	50 x 3/4" x 50 mm	50	49.5	44.5	68.0	43	26.0	31.5	3/4"	0.243	5



aquatherm red transition piece for groove connection / B1

Article no.	Dimension	l	D	D1	L	z	kg	PU
3070040010	40	33	52.0	33.5	81.0	60.5	0.239	1
3070050011	50	36	68.0	42.20	85.5	62.0	0.397	1
3070063012	63	39	84.0	48.25	97.5	70.0	0.568	1
3070075013	75	39	100.0	60.3	97.0	67.0	0.853	1
3070090014	90	39	120.0	88.9	110.0	77.0	1.285	1
3070110015	110	40.5	147.0	114.3	119.5	82.5	2.137	1
3070125016	125	75	167.0	140	170.0	130.0	5.046	1





aquatherm red weld-in saddle with female thread / B1

with female thread and hexagon socket, with weld-on surface and weld-in socket to be fused with the inner wall of the pipe

Article no.	d	l	D	D1	z	z2	R	SW	kg	PU
3030040021	25	39	38.5	40	43.0	16.0	1/2"	24	0.088	5
3030050022	25	39	38.5	50	48.0	16.0	1/2"	24	0.090	5
3030063022	25	39	38,5	63	54,4	16	1/2"	24	0,089	5
3030075004	25	39	38,5	75	60,5	16	1/2"	24	0,097	5
3030075023 *	32	43	60.0	75	58.5	22.0	1"	39	0.221	5
3030090024 *	32	43	60.0	90	66.0	22.0	1"	39	0.222	5
3030110025 *	32	43	60.0	110	76.0	22.0	1"	39	0.088	5
3030125026 *	32	43	60.0	125	93.5	22.0	1"	39	0.091	5

The required tools for the fusion of aquatherm red weld-in saddles, Art. no. 9800050614 – 9800050644.
aquatherm drill, Art. no. 9800050940 – 9800050948.
*suitable for the connection to sprinkler outlets

aquatherm red ball valve HI

Article no.	d	l	l1	D	L	z	h	kg	PU
3050050018	50	83.50	140.0	68.0	167.0	60.0	79	1.670	1

aquatherm repair kit

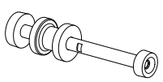
Article no.	Dimension [mm]	PU
9800050307	7	1
9800050311	11	1

to close pipe holes up to 10 mm (pipe repair stick Art. no. 3090000012)

aquatherm repair stick

Article no.	Dimension [mm]	PU
3090000012	7/11 mm	10

Material: Fusiolen® PP-R FS to close pipe holes up to 10 mm.
Tool: aquatherm green repair kit (Art. no. 9800050307 + 9800050311)



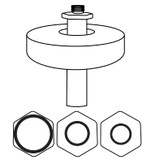
aquatherm extraction tool

for sprinkler outlet Art. no. 3090000002–08

Article no.	PU
9800050290	1

aquatherm adjusting tool

for compensating joint with adapter 3/8" male, 1/2" male, 1" male



Article no.	PU
9800050291	1

aquatherm Tools

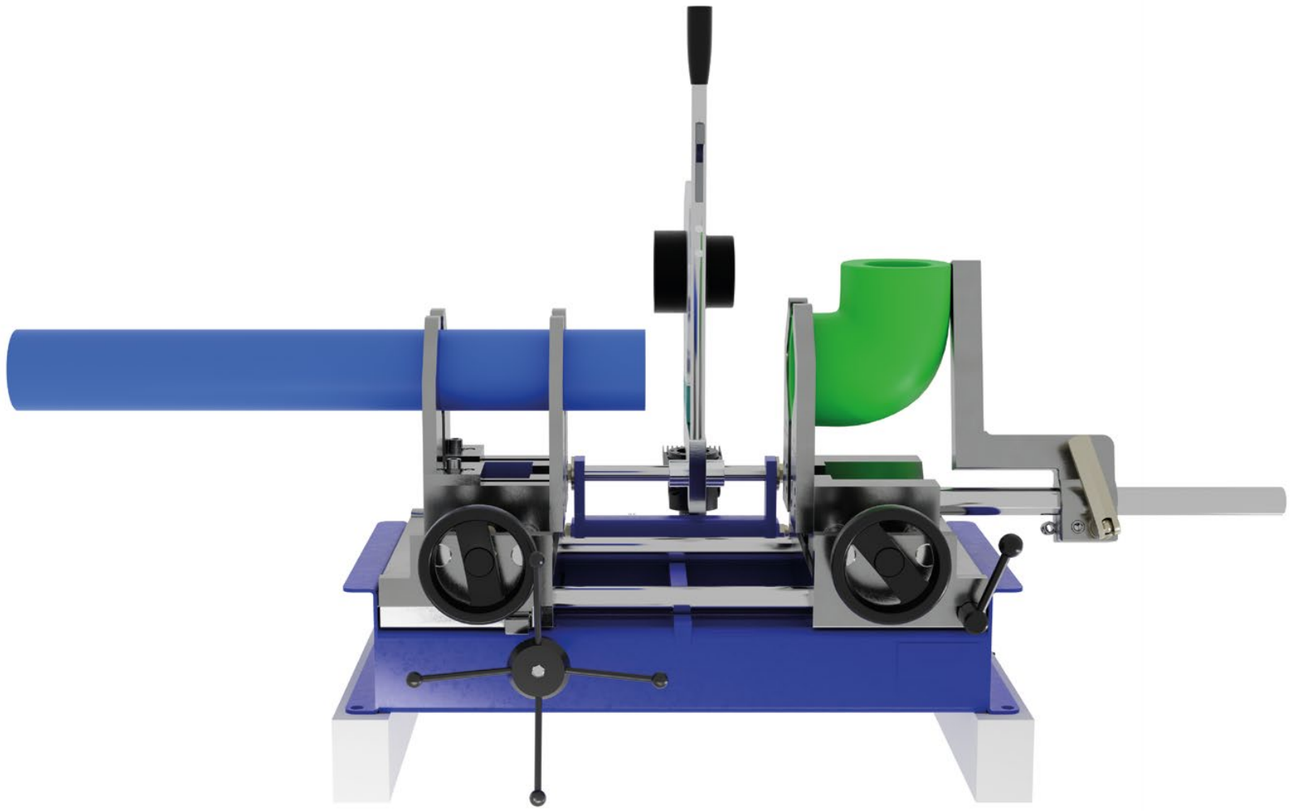
Installation in no time at all

The highest level of safety despite fast installation: this is what we guarantee with our products.

aquatherm pipe systems are joined together by welding, briefly heating the pipe and fitting with the aid of tools provided for this purpose and then joining them together. Our polypropylene material melts into a homogeneous, cohesive unit, without any open flames as is the case with metallic materials.

At the joint, the material is more stable than before welding – this means double safety at the otherwise critical point of a piping system. We supply you with the appropriate tools directly. The low weight of our products also simplifies handling on the construction site.

Applications:



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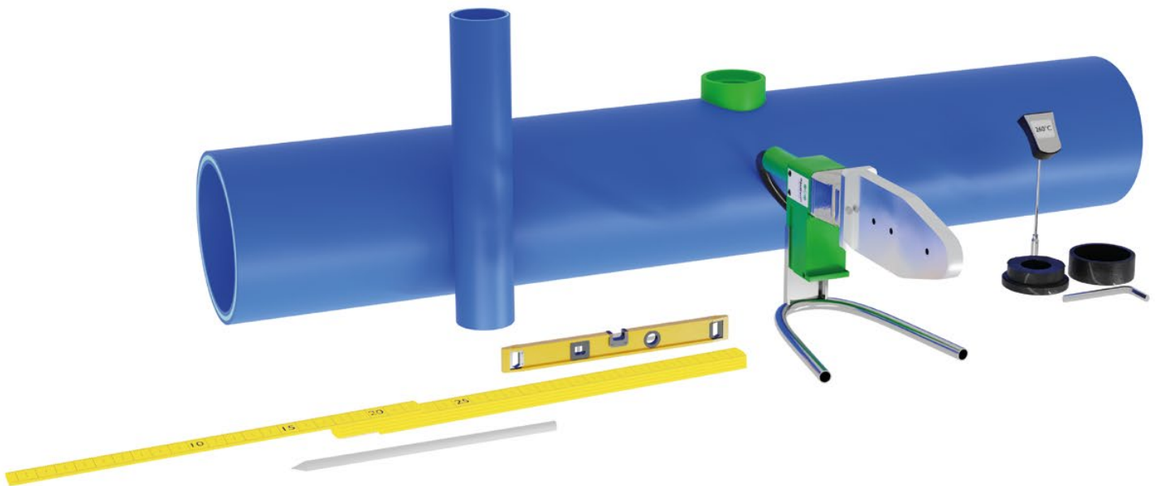
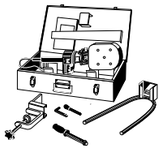


aquatherm manual welding device (500 W)

Article no.	Dimension [mm]	PU
9800050336	Ø 16-32 mm	1

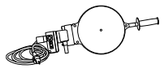
aquatherm manual welding device (800 W)

Article no.	Dimension [mm]	PU
9800050337	Ø 16-63 mm	1



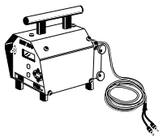
aquatherm manual welding device (1400 W)

Article no.	Dimension [mm]	PU
9800050341	Ø 50-125 mm	1



manual welding device (1500 W)

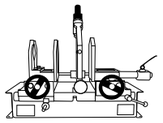
Article no.	Dimension [mm]	PU
9800050330	Ø 50 -160 mm	1



aquatherm electrofusion device

Article no.	PU
9800050175	1

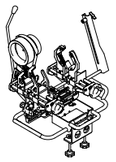
For processing with electro-fusion-sockets Art. no. 1040020094 - 1040250111



aquatherm welding machine (1400 W)

Article no.	Dimension [mm]	PU
9800050148	Ø 50-125 mm	1

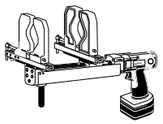
including welding tools 50 – 125 mm, roll stand and wooden transport case



aquatherm welding machine (1400 W) light

Article no.	Dimension [mm]	PU
9800050145	Ø 63-125 mm	1

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

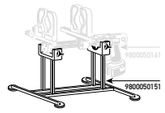


aquatherm electric welding jig

Article no.	Dimension [mm]	Weight [kg]	PU
9800050161	Ø 63 - 125 mm	24.000	1

aquatherm base for art. no. 9800050161

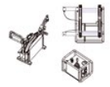
Article no.	PU
9800050151	1



aquatherm butt welding machine-two-ring-machine widos

Article no.	Dimension [mm]	Weight [kg]	PU
9800050350	Ø 160 - 250 mm	154.000	1
9800050351	Ø 160 - 315 mm	178.000	1

The butt-welding-two-ring machine can be purchased directly from Widos (www.widos.de)
Two-ring machine for pipes 160 – 355 mm available on request



aquatherm butt welding machine Widos

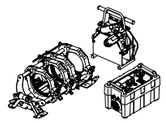
Article no.	Dimension [mm]	Weight [kg]	PU
9800050352	for pipes Ø 160-250 mm	195.000	1
9800050353	for pipes Ø 160-315 mm	250.000	1
9800050355	for pipes Ø 200-450 mm	430.000	1
9800050356 *	for pipes Ø 200-500 mm	500.000	1
9800050357 *	for pipes Ø 315-630 mm	885.000	1

The butt-welding-machine can be purchased directly from Widos (www.widos.de)
*special voltage on demand

aquatherm butt welding machine ritmo

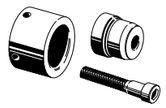
Article no.	Dimension [mm]	Weight [kg]	PU
9800050165 *	for pipes Ø 160 - 250 mm	176.500	1
9800050166 *	for pipes Ø 160 - 315 mm	160.000	1
9800050169	for pipes Ø 400 - 630 mm	710.000	1

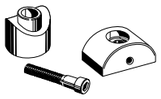
*Also available: 110 V (for ø 160 – 250 mm or ø 160 – 315 mm)
including wooden transport box. The butt welding machine can be obtained directly from Ritmo (www.ritmo.it)
Two-ring machine for pipes 160 – 355 mm available on request



aquatherm welding tools

Article no.	Dimension [mm]	PU
9800050206	16	1
9800050208	20	1
9800050210	25	1
9800050212	32	1
9800050214	40	1
9800050216	50	1
9800050218	63	1
9800050220	75	1
9800050222	90	1
9800050224	110	1
9800050226	125	1





aquatherm saddle welding tools

for welding saddles

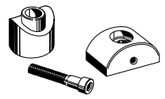
Article no.	Dimension [mm]	PU
9800050614	40 x 20/25	1
9800050616	50 x 20/25	1
9800050619	63 x 20/25	1
9800050620	63 x 32	1
9800050623	75 x 20/25	1
9800050624	75 x 32	1
9800050625	75 x 40	1
9800050627	90 x 20/25	1
9800050628	90 x 32	1
9800050629	90 x 40	1
9800050631	110 x 20/25	1
9800050632	110 x 32	1
9800050634	110 x 40	1
9800050635	110 x 50	1
9800050636	125 x 20/25	1
9800050638	125 x 32	1
9800050640	125 x 40	1
9800050642	125 x 50	1
9800050644	125 x 63	1
9800050648	160 x 20/25	1
9800050650	160 x 32	1
9800050652	160 x 40	1
9800050654	160 x 50	1
9800050656	160 x 63	1
9800050657	160 x 75	1
9800050658	160 x 90	1
9800050660	200 x 20/25	1
9800050662	200 x 32	1
9800050664	200 x 40	1
9800050666	200 x 50	1
9800050667	200 x 75	1
9800050668	200 x 63	1
9800050669	200 x 90	1
9800050670	200 x 110	1
9800050671	200 x 125	1
9800050672	250 x 20/25	1
9800050674	250 x 32	1
9800050676	250 x 40	1
9800050678	250 x 50	1
9800050680	250 x 63	1
9800050682	250 x 75	1
9800050684	250 x 90	1
9800050686	250 x 110	1
9800050688	250 x 125	1
9800050690	315 x 63	1
9800050692	315 x 75	1

continued on next page …

aquatherm saddle welding tools

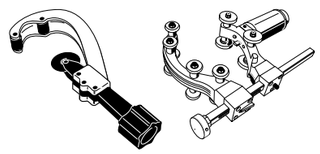
(continued) for welding saddles

Article no.	Dimension [mm]	PU
9800050694	315 x 90	1
9800050696	315 x 110	1
9800050698	315 x 125	1
9800050699	315 x 160	1
9800050712	355 x 63	1
9800050714	355 x 75	1
9800050716	355 x 90	1
9800050718	355 x 110	1
9800050720	355 x 125	1
9800050722	355 x 160	1
9800050726	400 - 630 x 63	1
9800050728	400 - 500 x 75	1
9800050730	560 - 630 x 75	1
9800050732	400 - 500 x 90	1
9800050734	560 - 630 x 90	1
9800050736	400 - 450 x 110	1
9800050738	500 - 560 x 110	1
9800050740	630 x 110	1
9800050742	400 x 125	1
9800050744	450 - 500 x 125	1
9800050746	630 x 125	1



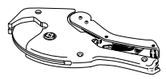
aquatherm pipe cutter

Article no.	Dimension [mm]	PU
9800050102	for pipes Ø 16 - 40 mm	1
9800050105	for pipes Ø 50 - 125 mm	1
9800050106	for pipes Ø 63 - 200 mm	1



aquatherm pipe cutter

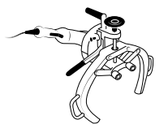
Article no.	Dimension [mm]	PU
9800050103	for pipes up to 25 mm	1
9800050104	for pipes Ø 16 - 40 mm	1

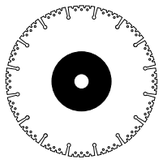


aquatherm orbital circular saw

Article no.	Dimension [mm]	PU
9800050108	for pipes Ø 160 - 355 mm	1

This orbital circular saw can be ordered directly from Rothenberger (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





aquatherm cutting disc for plastic

Article no.	Dimension [mm]	PU
9800050107	**for pipes Ø 125 mm**	**1**
9800050109	**for pipes Ø 230 mm**	**1**

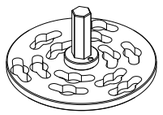
Application: for each angle grinder. Design: diamant galvanised cutting disc

aquatherm universal peeling tools

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

Article no.	Dimension [mm]	PU
9800050479	**20**	**1**
9800050480	**25**	**1**
9800050481	**32**	**1**
9800050482	**40**	**1**
9800050483	**50**	**1**
9800050484	**63**	**1**
9800050485	**75**	**1**
9800050486	**90**	**1**
9800050487	**110**	**1**
9800050488	**125**	**1**
9800050501	**Spare blade with screw (Set)**	**1**

Required for the socket welding
(in combination with socket welding fittings from page 23 onwards, e.g. sockets, elbows , T-pieces, transition pieces with thread)
Also suitable for manual peeling (bolts included).
Not suitable for aquatherm green S, aquatherm blue S, aquatherm green MF, aquatherm green MF RP, aquatherm energy green, aquatherm blue RP TI



aquatherm attachment plate for universal peeling tool

Article no.	Dimension [mm]	PU
9800050499	**for peeling tools 9800050479-9800050484**	**1**
9800050500	**for peeling tools 9800050485-9800050488**	**1**

aquatherm universal peeling tool-set 20 – 63 mm

Article no.	Dimension [mm]	PU
9800050477	**for pipes Ø 20 - 63 mm**	**1**

consisting of:

1x case
1x peeling tool 20 – 63 mm
1x attachment plate for universal peeling tool 980005079–9800050484
1x toggle-set
1x torx wrench
1x hexagon Allen key size 4
6x fixing screws 9800050489–9800050494 M5x25

aquatherm universal peeling tool-set 75 – 125 mm

Article no.	Dimension [mm]	PU
9800050478	**for pipes Ø 75 x - 125 mm**	**1**

consisting of:

1x case
1x peeling tool 75 – 125 mm
1x attachment plate for universal peeling tool 9800050485–9800050488
1x toggle-set
1x torx wrench
1x hexagon Allen key size 4
6x fixing screws for Art. no. 9800050495–98000498 M5x35

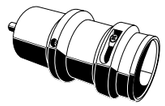
aquatherm extension for universal peeling tool

Article no.	Dimension [mm]	PU
9800050489	**for peeling tool 20 mm Art. no. 9800050479**	**1**
9800050490	**for peeling tool 25 mm Art. no. 9800050480**	**1**
9800050491	**for peeling tool 32 mm Art. no. 9800050481**	**1**
9800050492	**for peeling tool 40 mm Art. no. 9800050482**	**1**
9800050493	**for peeling tool 50 mm Art. no. 9800050483**	**1**
9800050494	**for peeling tool 63 mm Art. no. 9800050484**	**1**
9800050495	**for peeling tool 75 mm Art. no. 9800050485**	**1**
9800050496	**for peeling tool 90 mm Art. no. 9800050486**	**1**
9800050497	**for peeling tool 110 mm Art. no. 9800050487**	**1**
9800050498	**for peeling tool 125 mm Art. no. 9800050488**	**1**

Required for electrofusion socket welding. 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. 9800050479 + 9800050489)

aquatherm peeling tools for electrofusion socket welding

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



Art. no. 9800050558 – 9800050572
In combination with a drilling machine (not included!)

Art. no. 9800050574 – 9800050580

Art. nor. 9800050592

Article no.	Dimension [mm]	PU
In combination with a drilling machine		
9800050558	**20 mm not for OT MS**	**1**
9800050560	**25 mm not for OT MS**	**1**
9800050562	**32 mm not for OT MS**	**1**
9800050564	**40 mm not for OT MS**	**1**
9800050566	**50 mm not for OT MS**	**1**
9800050568	**63 mm not for OT MS**	**1**
9800050570	**75 mm not for OT MS**	**1**
9800050572	**90 mm not for OT MS**	**1**
9800050440	**Art.9800050506 - 9800050572/9800050910-9800050914**	**1**
For manual peeling		
9800050574	**110 mm not for OT MS**	**1**
9800050576	**125 mm not for OT MS**	**1**
9800050580	**160 mm not for OT MS**	**1**
9800050441	**Art. 9800050574-9800050580/9800099368-9800099369**	**1**
9800050592	**200 & 250 mm not for OT MS**	**1**
9700099739	**spare blade**	**1**

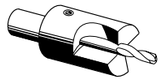
Not suitable for aquatherm green UV, aquatherm green MF RP UV, aquatherm blue MF RP UV and aquatherm blue MF RP OT

aquatherm saddle peeling tools for OT and UV pipes Ø 50–125 mm

Article no.	Dimension [mm]	PU
9800050921	for welding saddles Ø 20 & 25 mm	1
9800050922	for welding saddles Ø 32 mm	1
9800050924	for welding saddles Ø 40 mm	1
9800050926	for welding saddles Ø 50 mm	1
9800050928	for welding saddles Ø 63 mm	1

aquatherm saddle peeling tools for OT and UV pipes 160–250 mm

Article no.	Dimension [mm]	PU
9800050421	for welding saddles Ø 20 & 25 mm	1
9800050422	for welding saddles Ø 32 mm	1
9800050424	for welding saddles Ø 40 mm	1
9800050426	for welding saddles Ø 50 mm	1
9800050428	for welding saddles Ø 63 mm	1



aquatherm drills

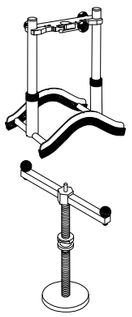
for installation of weld-in saddles

Article no.	Dimension [mm]	PU
9800050940	20 & 25 (40-160 mm)	1
9800050941	20 & 25 (63-250 mm)	1
9800050942	32	1
9800050944	40	1
9800050946 *	50	1
9800050948 *	63	1

*may only be used in fixed drilling machines

aquatherm drill duss DIA303

Article no.	PU
9800050978	1



aquatherm drill rig for duss-drill

Article no.	PU
9800050977	1

aquatherm welding fixture for drill rig 50977

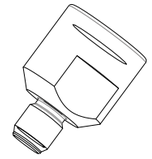
Article no.	PU
9800050979	1

aquatherm keyless chuck clamping range 1,5 – 13 mm

Article no.	PU
9800050971	1

aquatherm chuck adapter for art. no. 9800050971

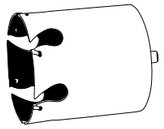
Article no.	PU
9800050969	1



saddle-hole saw for branch

Article no.	Dimension [mm]	Required items	PU
9800050987	75	9800050973	1
9800050988	90	9800050973	1
9800050989	110	9800050975 & 9800050976	1
9800050990	125	9800050975 & 9800050976	1
9800050991	160	9800050975 & 9800050976	1

for assembly of weld-in saddles



aquatherm quick change adapter 75 – 90mm

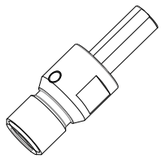
Article no.		PU
9800050973	for Art. no. 9800050987 & 9800050988	1

aquatherm center drill LSZ 1

Article no.		PU
9800050975	for Art. no. 9800050989 - 9800050991	1

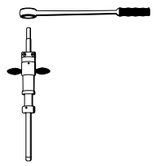
aquatherm hole saw holder LSA3

Article no.	Dimension [mm]	PU
9800050976	1/2" for drill chuck 13 mm	1



aquatherm hole saw holder LSA2

Article no.	Dimension [mm]	PU
9800050974	1/2" for DUSS-machines	1

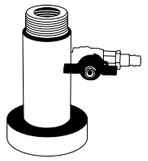


Hot tapping tool

for drilling pipes under pressure

Article no.	Dimension [mm]	PU
9800050890	**40 and 63 mm**	**1**

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
Not for aquatherm blue OT



Adapter for weld-on saddle set with ball valve 63 mm

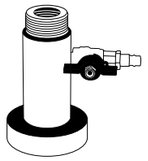
for installation under pressure

Article no.	Dimension [mm]	PU
9800050891	**40**	**1**

PP-milling cutter for weld-on saddle set with ball valve 40 mm

for installation under pressure – for Art. no. 9800050892

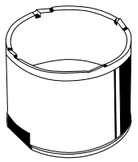
Article no.	Dimension [mm]	PU
9800050893	**40**	**1**



Adapter for weld-on saddle set with ball valve 40 mm

for installation under pressure – for Art. no. 9800050891

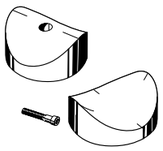
Article no.	Dimension [mm]	PU
9800050892	**63**	**1**



PP-milling cutter for weld-on saddle set with ball valve 63 mm

for installation under pressure

Article no.	Dimension [mm]	PU
9800050894	**63**	**1**

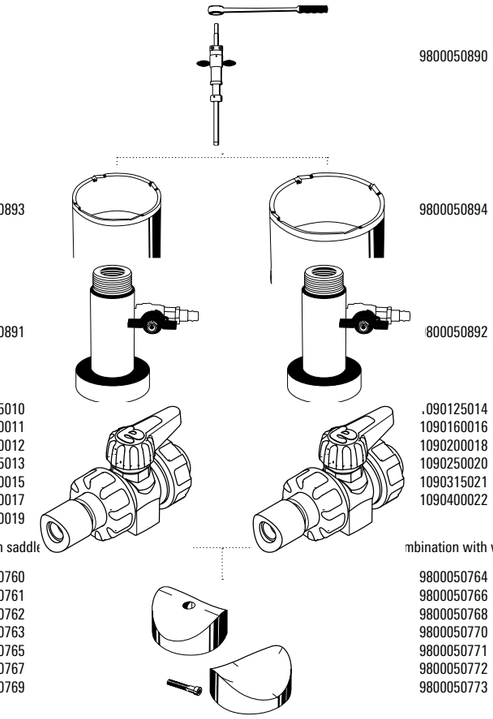


aquatherm weld-on saddle tool

for weld-on saddle set with ball valve for installation under pressure for hot tapping tool

Article no.	Dimension [mm]	PU
9800050760	**75 x 40 mm, 9800050890**	**1**
9800050761	**90 x 40 mm, 9800050890**	**1**
9800050762	**110 x 40 mm, 9800050890**	**1**
9800050763	**125 x 40 mm, 9800050890**	**1**
9800050764	**125 x 63 mm, 9800050890**	**1**
9800050765	**160 x 40 mm, 9800050890**	**1**
9800050766	**160 x 63 mm, 9800050890**	**1**
9800050767	**200 x 40 mm, 9800050890**	**1**
9800050768	**200 x 63 mm, 9800050890**	**1**
9800050769	**250 x 40 mm, 9800050890**	**1**
9800050770	**250 x 63 mm, 9800050890**	**1**
9800050771	**315 x 63 mm, 9800050890**	**1**
9800050773	**400-630 x 63 mm, 9800050890**	**1**

Not suitable for aquatherm blue OT!



aquatherm repair set

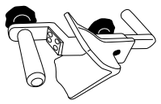
Article no.	Dimension [mm]	PU
9800050307	**7**	**1**
9800050311	**11**	**1**

to close holes of up to 10 mm in the pipe

aquatherm pipe repair stick

for pipe repairs

Article no.	Dimension [mm]	PU
1090000035	**7/11 mm**	**10**
3090000012	**7/11 mm**	**10**



aquatherm chamfering tool for aquatherm blue OT and UV-Pipes

chamfering tool for Ø 32 – 250mm

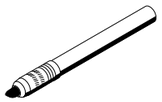
Article no.	PU
9800050510	**1**

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

aquatherm cleaning wipes

Article no.	Quantity	PU
9800050193	**can with 100 cleaning wipes**	**1**

for electrofusion sockets



aquatherm temperature pencil

Article no.	PU
9800050190	**1**

to check the correct welding temperature

aquatherm surface thermometer

Article no.	PU
9800050188	**1**

to check the correct welding temperature

aquatherm thermometer glove

Article no.	PU
9800050195	**2**

Chain hoist

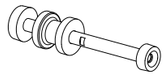
Tools for assembling push-in couplings

Article no.	kg	PU
9800050530	**2.800**	**1**

aquatherm extraction tool

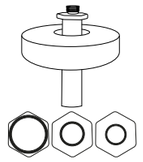
for sprinkler outlet Art. no. 3090000002–08

Article no.	PU
9800050290	**1**



aquatherm adjusting tool

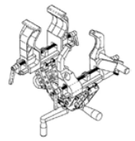
Article no.	PU
9800050291	**1**



Spider welding jig 125 mm

with bag

Article no.	PU
9800000002	**3**



aquatherm service and quality

Certificate

Standard ISO 14001:2015
Certificate Registr. No. 01 104 0101467

Certificate Holder: aquatherm GmbH
Biggen 5
57439 Attendorn
Germany

including the locations according to annex

Scope: Development, manufacture and worldwide distribution of plastic piping systems

Proof has been furnished by means of an audit that the requirements of ISO 14001:2015 are met.

Validity: The certificate is valid from 2021-01-25 until 2024-01-22. First certification 2012

2021-02-10

TÜV Rheinland Cert GmbH
Am Grauen Stein · 51105 Köln

www.tuv.com

Quality 100 percent “Made in Germany”

Creating safe and innovative piping systems that are “state of the pipe” is aquatherm’s mission.

It all starts with the raw material: Under the fusiolen® brand, we develop and refine our own polypropylene granules. This allows us to tailor the properties of our products perfectly to the requirements of the various applications. We produce all our products exclusively and with the latest production technology at our two German locations.

Only certified products make their journey to our worldwide customers. Numerous national and international quality seals and approval certificates as well as our satisfied customers confirm again and again the high quality of our products.

See for yourself!

Certificate

Standard ISO 50001:2018
Certificate Registr. No. 01 407 0101467

Certificate Holder: aquatherm GmbH
Biggen 5
57439 Attendorn
Germany

including the locations according to annex

Scope: Development, manufacture and worldwide distribution of plastic piping systems

Proof has been furnished by means of an audit that the requirements of ISO 50001:2018 are met.

Validity: The certificate is valid from 2021-01-25 until 2022-01-20. First certification 2013

2021-02-10

TÜV Rheinland Cert GmbH
Am Grauen Stein · 51105 Köln

www.tuv.com

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57439 Attendorn
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aquatherm GmbH

Wilhelm-Rönsch-Str. 4
01454 Radeberg
Tel.: +49 3528 4362 0

Certificate

Standard ISO 9001:2015
Certificate Registr. No. 01 100 5348

Certificate Holder: aquatherm GmbH
Biggen 5
57439 Attendorn
Germany

including the locations according to annex

Scope: Development, manufacture and worldwide distribution of plastic piping systems

Proof has been furnished by means of an audit that the requirements of ISO 9001:2015 are met.

Validity: The certificate is valid from 2021-02-13 until 2024-02-12. First certification 1996

2021-02-09

TÜV Rheinland Cert GmbH
Am Grauen Stein · 51105 Köln

www.tuv.com

Certifications in accordance with ISO 9001, ISO 14001 & ISO 50001

Since 1996 aquatherm have fulfilled the requirements of the quality management system according to DIN ISO 9001.

The 2012 TÜV certificate was extended by the environmental management system according to ISO 14001 and currently by the energy management system according to ISO 50001.

This success is another step towards strengthening our competitive position and to meet the high requirements and the responsibility for our customers, partners and the environment.

Our offer for your technical support

Field staff

In addition to the regular training service at Attendorn and Radeberg aquatherm field staff are available to assist customers, on site, throughout Germany.

Training service

In addition to training service through the merchant network aquatherm offers its customers training, free of charge, at its training centres at Attendorn and Radeberg.

Fair

aquatherm is represented at all important fairs relevant for the sanitary and heating sector in Germany or abroad with its own exhibition booth.

For more information regarding fairs near to you, please visit internet page: www.aquatherm.de.

Laboratory

The aquatherm laboratory: from the testing of granulate through to the finished product the customer can be assured of only the highest quality products.

Software Service

The aquatherm software service provides Datanorm files, BIM-data and data sets for the liNear, Plancal/Rimble and ETU calculation programs, as well as on-site training.

Brochures etc.

No matter whether brochures, catalogues or product lists: Our in-house marketing department develops every thing itself. You can download all documents as pdf from our website www.aquatherm.de

For printed copies, please send an e-mail to info@aquatherm.de.

Permissible working pressure

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

Years of service	aquatherm blue SDR 17.6 MF RP	aquatherm blue SDR 11 MF RP	aquatherm blue SDR 11 S	aquatherm blue SDR 9 MF RP	aquatherm green SDR 7.4 MF	aquatherm green SDR 9 MF RP
at temperature up to 10 °C (50 °F)						
10	13.1 bar	25.3 bar	19.3 bar	27.5 bar	27.7 bar	27.5 bar
25	12.9 bar	24.7 bar	18.7 bar	27.1 bar	26.9 bar	27.1 bar
50	12.7 bar	24.1 bar	18.2 bar	26.7 bar	26.1 bar	26.7 bar
100	12.6 bar	23.5 bar	17.8 bar	26.3 bar	25.2 bar	26.3 bar
at temperature up to 15 °C (59 °F)						
10	12.3 bar	23.4 bar	17.8 bar	25.7 bar	26.9 bar	25.7 bar
25	12.1 bar	22.8 bar	17.2 bar	25.2 bar	26.1 bar	25.2 bar
50	11.9 bar	22.2 bar	16.8 bar	24.9 bar	25.3 bar	24.9 bar
100	11.7 bar	21.6 bar	16.3 bar	24.5 bar	24.5 bar	24.5 bar
at temperature up to 20 °C (68 °F)						
10	11.4 bar	21.4 bar	16.4 bar	23.9 bar	26.1 bar	23.9 bar
25	11.2 bar	21.0 bar	15.9 bar	23.5 bar	25.3 bar	23.5 bar
50	11.0 bar	20.4 bar	15.4 bar	23.1 bar	24.5 bar	23.1 bar
100	10.9 bar	19.9 bar	15.0 bar	22.8 bar	23.7 bar	22.8 bar
at temperature up to 30 °C (86 °F)						
10	9.8 bar	18.3 bar	13.9 bar	20.6 bar	22.0 bar	20.6 bar
25	9.6 bar	17.8 bar	13.4 bar	20.2 bar	21.3 bar	20.2 bar
50	9.5 bar	17.3 bar	13.0 bar	19.9 bar	20.7 bar	19.9 bar
100	9.4 bar	16.8 bar	12.7 bar	19.7 bar	20.0 bar	19.7 bar
at temperature up to 40 °C (104 °F)						
10	8.4 bar	15.5 bar	11.8 bar	17.7 bar	18.7 bar	17.7 bar
25	8.3 bar	15.0 bar	11.3 bar	17.3 bar	18.0 bar	17.3 bar
50	8.1 bar	14.6 bar	11.0 bar	17.1 bar	17.5 bar	17.1 bar
100	8.0 bar	14.1 bar	10.7 bar	16.8 bar	16.8 bar	16.8 bar
at temperature up to 50 °C (122 °F)						
10	7.2 bar	13.0 bar	9.9 bar	15.1 bar	15.7 bar	15.1 bar
25	7.0 bar	12.6 bar	9.5 bar	14.7 bar	15.2 bar	14.7 bar
50	6.9 bar	12.2 bar	9.2 bar	14.5 bar	14.7 bar	14.5 bar
100	6.8 bar	11.9 bar	9.0 bar	14.3 bar	14.1 bar	14.3 bar
at temperature up to 60 °C (140 °F)						
10	6.1 bar	10.9 bar	8.3 bar	12.7 bar	13.2 bar	12.7 bar
25	5.9 bar	10.6 bar	8.0 bar	12.4 bar	12.6 bar	12.4 bar
50	5.8 bar	10.3 bar	7.7 bar	12.2 bar	12.1 bar	12.2 bar
at temperature up to 70 °C (158 °F)						
10	5.1 bar	8.5 bar	7.0 bar	10.7 bar	11.1 bar	10.7 bar
25	5.0 bar	8.3 bar	6.0 bar	10.4 bar	9.6 bar	10.4 bar
50	4.9 bar	8.1 bar	5.1 bar	10.2 bar	8.1 bar	10.2 bar
at temperature up to 75 °C (167 °F)						
10	4.6 bar	7.7 bar	6.0 bar	9.7 bar	10.0 bar	9.7 bar
25	4.5 bar	7.6 bar	4.8 bar	9.5 bar	8.0 bar	9.5 bar
50	4.4 bar	7.3 bar	4.0 bar	9.3 bar	6.7 bar	9.3 bar
at temperature up to 80 °C (176 °F)						
5	4.3 bar	7.2 bar	5.7 bar	9.0 bar	9.2 bar	9.0 bar
10	4.2 bar	7.0 bar	4.8 bar	8.9 bar	7.8 bar	8.9 bar
25	4.1 bar	6.8 bar	3.9 bar	8.6 bar	6.2 bar	8.6 bar
at temperature up to 90 °C (194 °F)						
5	3.5 bar	5.9 bar	3.7 bar	7.4 bar	6.0 bar	7.4 bar
10	3.4 bar	5.8 bar	3.2 bar	7.3 bar	5.1 bar	7.3 bar

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

Years of service	aquatherm green SDR 11 S	aquatherm green SDR 7.4 S	aquatherm green SDR 6 S	aquatherm green SDR 7.4 MF	aquatherm green SDR 9 MF RP
at temperature up to 20 °C (68 °F)					
1	15.0 bar	23.8 bar	30.0 bar	28.6 bar	25.0 bar
5	14.1 bar	22.3 bar	28.1 bar	26.8 bar	24.2 bar
10	13.7 bar	21.7 bar	27.3 bar	26.1 bar	23.9 bar
25	13.3 bar	21.1 bar	26.5 bar	25.3 bar	23.5 bar
50	12.9 bar	20.4 bar	25.7 bar	24.5 bar	23.1 bar
at temperature up to 30 °C (86 °F)					
1	12.8 bar	20.2 bar	25.5 bar	24.3 bar	21.7 bar
5	12.0 bar	19.0 bar	23.9 bar	22.8 bar	21.0 bar
10	11.6 bar	18.3 bar	23.1 bar	22.0 bar	20.6 bar
25	11.2 bar	17.7 bar	22.3 bar	21.3 bar	20.2 bar
50	10.9 bar	17.3 bar	21.8 bar	20.7 bar	19.9 bar
at temperature up to 40 °C (104 °F)					
1	-	17.1 bar	21.5 bar	20.5 bar	18.7 bar
5	-	16.0 bar	20.2 bar	19.2 bar	18.0 bar
10	-	15.6 bar	19.6 bar	18.7 bar	17.7 bar
25	-	15.0 bar	18.8 bar	18.0 bar	17.3 bar
50	-	14.5 bar	18.3 bar	17.5 bar	17.1 bar
at temperature up to 50 °C (122 °F)					
1	-	14.5 bar	18.3 bar	17.5 bar	15.9 bar
5	-	13.5 bar	17.0 bar	16.2 bar	15.3 bar
10	-	13.1 bar	16.5 bar	15.7 bar	15.1 bar
25	-	12.6 bar	15.9 bar	15.2 bar	14.7 bar
50	-	12.2 bar	15.4 bar	14.7 bar	14.5 bar
at temperature up to 60 °C (140 °F)					
1	-	12.2 bar	15.4 bar	14.7 bar	13.5 bar
5	-	11.4 bar	14.3 bar	13.7 bar	13.0 bar
10	-	11.0 bar	13.8 bar	13.2 bar	12.7 bar
25	-	10.5 bar	13.3 bar	12.6 bar	12.4 bar
50	-	10.1 bar	12.7 bar	12.1 bar	12.2 bar
at temperature up to 65 °C (149 °F)					
1	-	11.6 bar	14.6 bar	13.9 bar	12.4 bar
5	-	10.8 bar	13.6 bar	12.9 bar	11.9 bar
10	-	10.4 bar	13.1 bar	12.5 bar	11.7 bar
25	-	10.0 bar	12.6 bar	12.0 bar	11.4 bar
50	-	8.8 bar	11.1 bar	10.6 bar	11.2 bar
at temperature up to 70 °C (158 °F)					
1	-	10.3 bar	13.0 bar	12.4 bar	11.4 bar
5	-	9.5 bar	11.9 bar	11.4 bar	10.9 bar
10	-	9.3 bar	11.7 bar	11.1 bar	10.7 bar
25	-	8.0 bar	10.1 bar	9.6 bar	10.4 bar
30	-	7.0 bar	8.8 bar	9.3 bar	10.3 bar
50	-	6.7 bar	8.5 bar	8.1 bar	10.2 bar

Permissible working pressure – potable water

(Fluid transported: water acc. to DIN 2000)

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

↑ Potable water (cold)

↓ Potable water (warm)

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.

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