

aquatherm **blue**
Push-fit fittings



We are part of the solution!



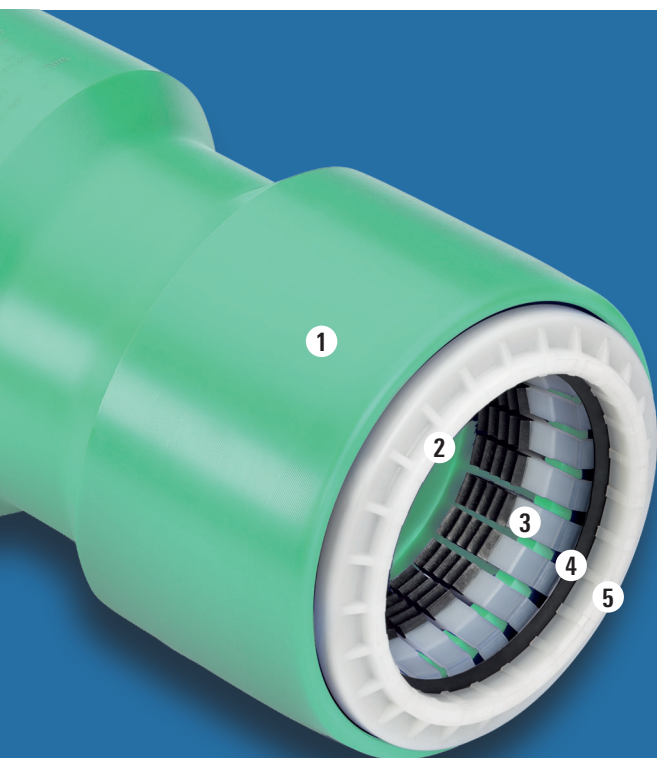
Installed in minutes. security for life

Maximum safety in just a few minutes: this is what the new aquatherm push-fit fitting offers. providing a simple. quick and secure connection for aquatherm blue pipe piping systems in HVAC. refrigeration. heating and plant engineering.

Compared to the electrofusion welding method. pipe joints can be created up to 40% faster using the aquatherm push-fit fitting. Furthermore. far fewer tools are required. Installation is possible in all weather conditions and even in the most confined spaces. such as in riser shafts. in trenches or above head height.

Made from the high-quality and robust material fusiolen® PP-RCT. the aquatherm push-fit fitting is suitable for fluid temperatures between 0 and 95°C. This has also been confirmed by the IMA Dresden testing institute.

The product range extends from single-fitting fittings and double-fitting fittings to moulded and connecting parts in various sizes. thus providing all the components required for pipework installation in plant engineering – corrosion-free and capable of withstanding full pressure immediately after installation. with no waiting time.



Components of the push-fit fitting

- 1 sleeve body**
extremely robust and made from durable fusiolen® PP-RCT
- 2 Anti-slam unit**
can be easily replaced if necessary
- 3 Grip teeth** made from high-strength plastic for exceptional tensile strength
- 4 Spring-mounted individual segments** guide the gripper elements and generate the necessary radial force
- 5 Profile ring** prevents dirt from getting in



Fast and secure connection

There are lots of ways to connect pipe systems. Plugging is becoming increasingly popular among processors. The aquatherm plug fittings offer a simple, quick, yet secure

way to connect aquatherm blue pipe systems in climate, cooling, heating and plant technology.

Certified quality

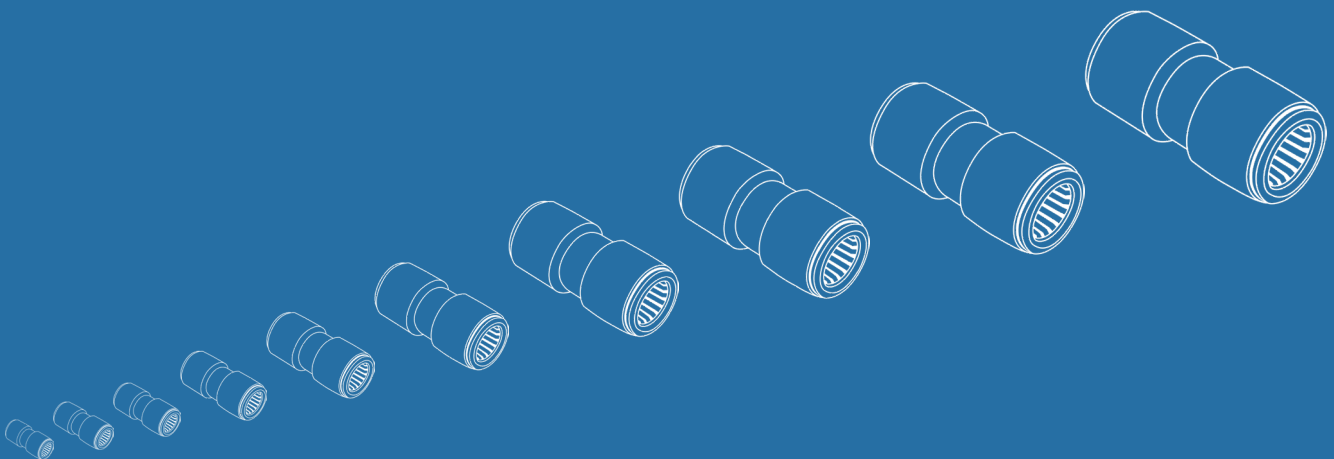
Piping systems can be subject to fluctuating media and ambient temperatures. Despite these changing conditions, they must meet two criteria: they must be durable and safe.

We therefore had the aquatherm push-fit fitting, in combination with aquatherm blue pipe polypropylene pipes, tested for thermal cycling at the IMA Dresden testing institute.

The tests were carried out at 0 °C / 20 °C and 20 °C / 95 °C in accordance with DIN EN ISO 15874.

The result: the push-fit sleeves passed the test successfully. There were no leaks or breaks.

For 90 mm up to 450 mm aquatherm blue diameter





Benefits

- increased pressure and temperature resistance thanks to fusiolen® PP-RCT
- secure connection
- The profiled sealing ring protects the mechanism of the push-fit fitting from dirt
- corrosion-free
- long service life
- Full flow. no restrictions in the cross-section
- The can be used in combination with all aqt. blue pipes in SDR 11 and SDR 17.6 (with the exception of oxygen-tight OT pipes)

Installation benefits

- shorter installation times
- Installation in all weather conditions. even at temperatures below 0 °C
- Easy to install when laid as a loose-lay system
- Installation in confined spaces. e.g. shafts for risers or trench laying
- No heavy or expensive tools required
- in the case of retrofitting. residual fluid in the pipes is not a problem
- – an instant. permanent seal
- Tool-free assembly < 160mm

Other benefits of the push-fit-fittings

90 MINUTES OR 6 MINUTES?

NO COOLING OR WAITING TIMES WITH PUSH-FIT FITTINGS



electric fitting.
30 minutes per unit



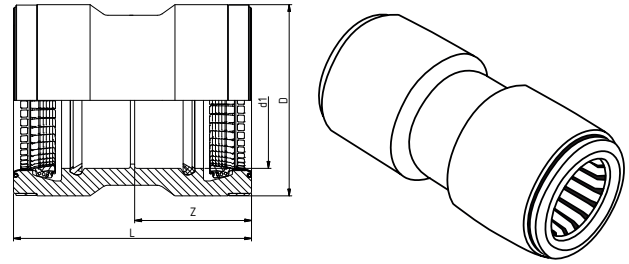
aquatherm push-fit fitting
6 minutes per piece*

*Example using a 110 mm aquatherm blue pipe MF RP



Push-fit coupling

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

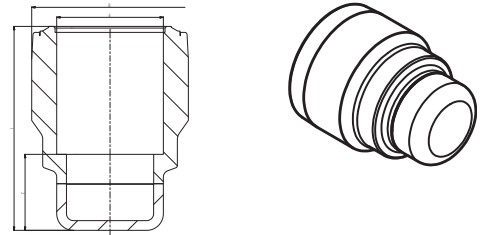


Article no.	d1 [mm]	L [mm]	D [mm]	z [mm]	weight [kg]	LE
2054090020	90	285	152	140	2,3	1
2054110021	110	345	175	170	3,7	1
2054125022	125	350	190	172	4,3	1
2054160023	160	372	234	183	6,6	1
2054200024	200	470	285	231	11	1
2054250025	250	496	375	243	20,4	1
2054315026	315	560	450	275	40,2	1
2054355027	355	576	492	283	45,7	1
2054400028	400	610	540	300	54,8	1
2054450029	450	646	600	318	69,6	1

Do not use for aquatherm blue MF RP OT

End cap with push-fit adapter

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



Article no.	d [mm]	l [mm]	D [mm]	z [mm]	weight [kg]	PU
SDR 11						
2054090030	90	236.5	152	87.5	1.6	1
2054110031	110	269	175	90	2.8	1
2054125032	125	291	190	110	3.4	1
2054160033	160	306	235	114	4.4	1
2054200034	200	374	285	134	7.6	1
2054250035	250	405	375	162	17	1
2054315036	315	425	450	150	28	1
2054355037	355	450	492	167	34.4	1
2054400038	400	460	540	160	41.2	1
2054450039	450	495	600	177	54.5	1
SDR 17.6						
2057160040	160	306	235	114	4.5	1
2057200041	200	374	285	134	7.4	1
2057250042	250	405	355	162	12.8	1
2057315043	315	415	425	140	20.8	1
2057355044	355	430	470	147	25.5	1
2057400045	400	465	510	165	29.8	1
2057450046	450	470	565	152	36.3	1

Do not use for aquatherm blue MF RP OT

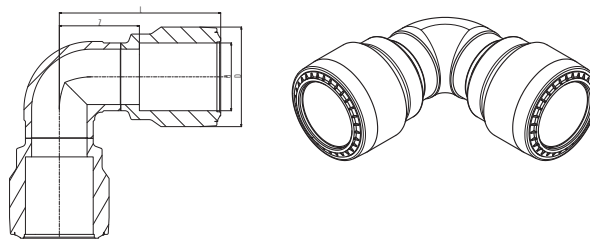


Elbow 90° with push-fit adapter

Material: fusiolen® PP-RP / EPDM

Standards: DIN EN ISO 15874

Colour: green



Article no.	d [mm]	l [mm]	D [mm]	z [mm]	weight [kg]	PU
SDR 11						
2054090100	90	248	152	99	3.3	1
2054110101	110	297	175	118	4.9	1
2054125102	125	324.5	190	143.5	7	1
2054160103	160	381	235	189	9.6	1
2054200104	200	503	285	263	17.6	1
2054250105	250	555	375	312	37.2	1
2054315106 *	315	875	450	600	85.8	1
2054355107 *	355	940	492	658	105	1
2054400018 *	400	1020	540	720	130.8	1
2054450109 *	450	1104	600	786	177.5	1
SDR 17.6						
2057160090	160	381	235	189	9.1	1
2057200091	200	503	285	263	16.6	1
2057250092	250	555	355	312	29	1
2057315093 *	315	875	425	600	56.6	1
2057355094 *	355	940	470	658	72	1
2057400095 *	400	1020	510	720	90.2	1
2057450096 *	450	1104	565	786	117.8	1

*pipe segment

Do not use for aquatherm blue MF RP OT

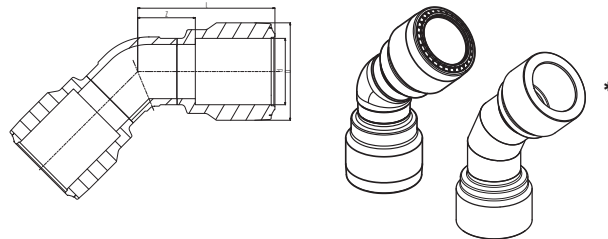


Elbow 45° with push-fit adapter

Material: fusiolen® PP-RP / EPDM

Standards: DIN EN ISO 15874

Colour: green



Article no.	d [mm]	l [mm]	D [mm]	z [mm]	weight [kg]	PU
SDR 11						
2054090070 *	90	221.5	152	72.5	5.4	1
2054110071 *	110	264.5	175	85.5	7.5	1
2054125072 *	125	276	190	95	6.3	1
2054160073 *	160	331	235	139	9	1
2054200074 *	200	440	285	200	16.3	1
2054250075 *	250	497	375	254	36.2	1
2054315076	315	607	450	332	75.3	1
2054355077	355	638	492	355	82.6	1
2054400078	400	675	540	375	112.9	1
2054450079	450	719	600	401	148.5	1
SDR 17.6						
2057160080 *	160	331	235	139	8.7	1
2057200081 *	200	440	285	200	15	1
2057250082 *	250	497	355	254	26.9	1
2057315083	315	597	425	322	50.6	1
2057355084	355	628	470	345	62	1
2057400085	400	675	510	285	78.4	1
2057450086	450	704	565	386	94.8	1

*pipe segment

Do not use for aquatherm blue MF RP OT

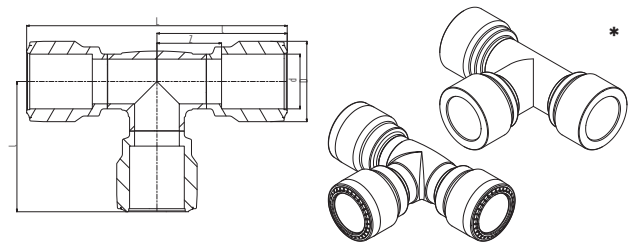


T-piece with push-fit adapter

Material: fusiolen® PP-RP / EPDM

Standards: DIN EN ISO 15874

Colour: green



Article no.	d [mm]	l [mm]	D [mm]	L [mm]	z [mm]	weight [kg]	PU
SDR 11							
2054090050	90	248	152	496	99	4.8	1
2054110051	110	325.5	175	651	118	8	1
2054125052	125	325.5	190	651	144.5	10.1	1
2054160053	160	381	235	762	189	14.3	1
2054200054	200	499	285	998	259	25.6	1
2054250055	250	558	375	1.116	315	55.7	1
2054315056 *	315	645	450	1.290	370	92.4	1
2054355057 *	355	685	492	1.370	402	129.7	1
2054400058 *	400	725	540	1.450	425	165.1	1
2054450059 *	450	775	600	1.550	457	215.3	1
SDR 17.6							
2057160060	160	381	235	762	189	13.7	1
2057200061	200	499	285	998	259	24	1
2057250062 *	250	558	355	1.116	315	43.4	1
2057315063 *	315	635	425	1.270	360	68.7	1
2057355064 *	355	675	470	1.350	392	87.5	1
2057400065 *	400	725	510	1.450	425	111.8	1
2057450066 *	450	760	565	1.520	442	128.8	1

*pipe segment

Do not use for aquatherm blue MF RP OT

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