

IAPMO RESEARCH AND TESTING, INC.

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CERTIFICATE OF LISTING

IAPMO Research and Testing, Inc. is a product certification body which tests and inspects samples taken from the supplier's stock or from the market or a combination of both to verify compliance to the requirements of applicable codes and standards. This activity is coupled with periodic surveillance of the supplier's factory and warehouses as well as the assessment of the supplier's Quality Assurance System. This listing is subject to the conditions set forth in the characteristics below and is not to be construed as any recommendation, assurance or guarantee by IAPMO Research and Testing, Inc. of the product acceptance by Authorities Having Jurisdiction.

The most updated information on this Certificate of Listing is available online at pld.iapmo.org

Effective Date: April 2017

Void After: April 2018

Product: Pressure Rated Polypropylene Piping Systems

File No. M-6022

Issued To: Aquatherm GmbH
Biggen 5
D-57439 Attendorn,
Germany

Identification: Pipe shall be marked at intervals of not more than 5 ft. with the manufacturer's name or trademark, nominal size, for metric series pipe - the term "metric" and the dimension ratio or both the outside diameter and wall thickness, IPS series pipe shall include "Schedule 80" or "SCH 80", type of material (PP-R) and classification number (80 or 100), pressure rating and temperature for which pressure rating is valid, the designation "F2389", manufacturer's production code, and pipe intended for the transport of potable water shall bear the mark of the lab making such evaluation. Fittings shall be marked with the manufacturer's name or trademark, nominal size, dimension ratio or schedule for corresponding pipe and type of material (PP-R). The fitting or packaging shall be marked with "Metric" or "NPT" for threaded fittings, and the designation "F2389". All products shall bear the UMC certification mark.

Characteristics: Pressure rated polypropylene pipe and fittings manufactured in accordance with ASTM F2389. To be installed per the manufacturer's instructions.


Chairman, Product Certification Committee


CEO, The IAPMO Group



This listing period is based upon the last date of the month indicated on the Effective Date and Void After Date shown above. Any change in material, manufacturing process, marking or design without having first obtained the approval of the Product Certification Committee, or any evidence of non-compliance with applicable codes and standards or of inferior workmanship, may be deemed sufficient cause for revocation of this listing. Production of or reference to this form for advertising purposes may be made only by specific written permission of IAPMO Research and Testing, Inc. Any alteration of this certificate could be grounds for revocation of the listing. This document shall be reproduced in its entirety.



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Products listed on this certificate have been tested by an IAPMO R&T recognized laboratory. This recognition has been granted based upon the laboratory's compliance to the applicable requirements of ISO/IEC 17025.

Products are in compliance with the following code(s):

Uniform Mechanical Code (UMC®)

Products are in compliance with the following standard(s):

ASTM F2389-2015



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MODELS:

NOTE: All Aquatherm Greenpipe models may show Fusiotherm as the product line name as this name becomes phased out of production.

PIPE

<u>Model #</u>	<u>Description</u>	<u>Size</u>
0610006	Aquatherm Greenpipe SDR6	16x2.7mm
0610008	Aquatherm Greenpipe SDR6	20x3.4mm
0610010	Aquatherm Greenpipe SDR6	25x4.2mm
0610012	Aquatherm Greenpipe SDR6	32x5.4mm
0610014	Aquatherm Greenpipe SDR6	40x6.7mm
0610016	Aquatherm Greenpipe SDR6	50x8.3mm
0610018	Aquatherm Greenpipe SDR6	63x10.5mm
0610020	Aquatherm Greenpipe SDR6	75x12.5mm
0610022	Aquatherm Greenpipe SDR6	90x15.0mm
0610024	Aquatherm Greenpipe SDR6	110x18.3mm
0610106	Aquatherm Greenpipe SDR6	16x2.7mm - coil:100m
0610108	Aquatherm Greenpipe SDR6	20x3.4mm - coil:100m
0610110	Aquatherm Greenpipe SDR6	25x4.2mm - coil:100m
0610208	Aquatherm Greenpipe SDR11	20x1.9mm
0610210	Aquatherm Greenpipe SDR11	25x2.3mm
0610212	Aquatherm Greenpipe SDR11	32x2.9mm
0610214	Aquatherm Greenpipe SDR11	40x3.7mm
0610216	Aquatherm Greenpipe SDR11	50x4.6mm
0610218	Aquatherm Greenpipe SDR11	63x5.8mm
0610220	Aquatherm Greenpipe SDR11	75x6.8mm
0610222	Aquatherm Greenpipe SDR11	90x8.2mm
0610224	Aquatherm Greenpipe SDR11	110x10.0mm
0610226	Aquatherm Greenpipe SDR11	125x11.4mm
0610230	Aquatherm Greenpipe SDR11	160x14.6mm
0610234	Aquatherm Greenpipe SDR11	200x18.2mm
0610238	Aquatherm Greenpipe SDR11	250x22.7mm
0610308	Aquatherm Greenpipe SDR11	20x1.9mm - coil:100m
0610310	Aquatherm Greenpipe SDR11	25x2.3mm - coil:100m
0610312	Aquatherm Greenpipe SDR11	32x2.9mm - coil:100m
0610806	Aquatherm Greenpipe SDR7.4	16x2.2mm
0610808	Aquatherm Greenpipe SDR7.4	20x2.8mm
0610810	Aquatherm Greenpipe SDR7.4	25x3.5mm
0610812	Aquatherm Greenpipe SDR7.4	32x4.4mm
0610814	Aquatherm Greenpipe SDR7.4	40x5.5mm
0610816	Aquatherm Greenpipe SDR7.4	50x6.9mm
0610818	Aquatherm Greenpipe SDR7.4	63x8.6mm
0610820	Aquatherm Greenpipe SDR7.4	75x10.3mm
0610822	Aquatherm Greenpipe SDR7.4	90x12.3mm
0610824	Aquatherm Greenpipe SDR7.4	110x15.1mm



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0610906	Aquatherm Greenpipe SDR7.4	16x2.2mm - coil:100m
0610908	Aquatherm Greenpipe SDR7.4	20x2.8mm - coil:100m
0670708	Aquatherm Greenpipe SDR7.4	20x2.8mm
0670710	Aquatherm Greenpipe SDR7.4	25x3.5mm
0670712	Aquatherm Greenpipe SDR7.4	32x4.4mm
0670714	Aquatherm Greenpipe SDR7.4	40x5.5mm
0670716	Aquatherm Greenpipe SDR7.4	50x6.9mm
0670718	Aquatherm Greenpipe SDR7.4	63x8.6mm
0670720	Aquatherm Greenpipe SDR7.4	75x10.3mm
0670722	Aquatherm Greenpipe SDR7.4	90x12.3mm
0670724	Aquatherm Greenpipe SDR7.4	110x15.1mm
0670726	Aquatherm Greenpipe SDR7.4	125x17.1mm
0670730	Aquatherm Greenpipe SDR7.4	160x21.9mm
0670734	Aquatherm Greenpipe SDR7.4	200x27.4mm
0670738	Aquatherm Greenpipe SDR7.4	250x34.2mm
0670758	Aquatherm Greenpipe SDR7.4	UV - 20x2.8mm
0670760	Aquatherm Greenpipe SDR7.4	UV - 25x3.5mm
0670762	Aquatherm Greenpipe SDR7.4	UV - 32x4.4mm
0670764	Aquatherm Greenpipe SDR7.4	UV - 40x5.5mm
0670766	Aquatherm Greenpipe SDR7.4	UV - 50x6.9mm
0670768	Aquatherm Greenpipe SDR7.4	UV - 63x8.6mm
0670770	Aquatherm Greenpipe SDR7.4	UV - 75x10.3mm
0670772	Aquatherm Greenpipe	SDR7.4 - UV - 90x12.3mm
0670774	Aquatherm Greenpipe	SDR7.4 - UV - 110x15.1mm
0670776	Aquatherm Greenpipe	SDR7.4 - UV - 125x17.1mm
2610208	climatherm pipe SDR11	20x1.9mm
2610210	climatherm pipe SDR11	25x2.3mm
2610212	climatherm pipe SDR11	32x2.9mm
2610214	climatherm pipe SDR11	40x3.7mm
2610216	climatherm pipe SDR11	50x4.6mm
2610218	climatherm pipe SDR11	63x5.8mm
2610220	climatherm pipe SDR11	75x6.8mm
2610222	climatherm pipe SDR11	90x8.2mm
2610224	climatherm pipe SDR11	110x10.0mm
2610226	climatherm pipe SDR11	125x11.4mm
2610230	climatherm pipe SDR11	160x14.6mm
2610308	climatherm pipe SDR11	20x1.9mm - coil:100m
2610310	climatherm pipe SDR11	25x2.3mm - coil:100m
2610312	climatherm pipe SDR11	32x2.9mm - coil:100m
2670112	climatherm faser pipe	SDR11 - 32x2.9mm
2670114	climatherm faser pipe	SDR11 - 40x3.7mm
2670116	climatherm faser pipe	SDR11 - 50x4.6mm
2670118	climatherm faser pipe	SDR11 - 63x5.8mm
2670120	climatherm faser pipe	SDR11 - 75x6.8mm
2670122	climatherm faser pipe	SDR11 - 90x8.2mm
2670124	climatherm faser pipe	SDR11 - 110x10.0mm
2670126	climatherm faser pipe	SDR11 - 125x11.4mm
2670130	climatherm faser pipe	SDR11 - 160x14.6mm



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2670134	climatherm faser pipe	SDR11 - 200x18.2mm
2670138	climatherm faser pipe	SDR11 - 250x22.7mm
2670708	climatherm faser pipe	SDR7.4 - 20x2.8mm
2670710	climatherm faser pipe	SDR7.4 - 25x3.5mm
9010808	Aquatherm Lilac, 1/2"	SDR 7.4 - 20x2.8 mm
9010810	Aquatherm Lilac, 3/4"	SDR 7.4 - 25x3.5 mm
9010212	Aquatherm Lilac, 1" S	DR 11 - 32x4.4 mm
9010214	Aquatherm Lilac, 1-1/4"	SDR 11 - 40x3.7 mm
9010216	Aquatherm Lilac, 1-1/2"	SDR 11 - 50x4.6 mm
9010218	Aquatherm Lilac, 2"	SDR 11 - 63x5.8 mm
9010220	Aquatherm Lilac, 2-1/2"	SDR 11 - 75x6.8 mm
9010222	Aquatherm Lilac, 3"	SDR 11 - 90x8.2 mm
9010224	Aquatherm Lilac, 3-1/2"	SDR 11 - 110x10 mm
9010226	Aquatherm Lilac, 4"	SDR 11 - 125x11.4 mm
9010230	Aquatherm Lilac, 6"	SDR 11 - 160x14.6 mm
9010234	Aquatherm Lilac, 8"	SDR 11 - 200x18.2 mm
9010238	Aquatherm Lilac, 10"	SDR 11 - 250x22.7 mm

FITTINGS

<u>Model #</u>	<u>Description</u>	<u>Size</u>
0111006	Aquatherm Greenpipe coupling	16mm
0111008	Aquatherm Greenpipe coupling	20mm
0111010	Aquatherm Greenpipe coupling	25mm
0111012	Aquatherm Greenpipe coupling	32mm
0111014	Aquatherm Greenpipe coupling	40mm
0111016	Aquatherm Greenpipe coupling	50mm
0111018	Aquatherm Greenpipe coupling	63mm
0111020	Aquatherm Greenpipe coupling	75mm
0111022	Aquatherm Greenpipe coupling	90mm
0111024	Aquatherm Greenpipe coupling	110mm
0111026	Aquatherm Greenpipe coupling	125mm
0111109	Aquatherm Greenpipe reducer	20/16mm
0111110	Aquatherm Greenpipe reducer	25/16mm
0111112	Aquatherm Greenpipe reducer	25/20mm
0111114	Aquatherm Greenpipe reducer	32/20mm
0111116	Aquatherm Greenpipe reducer	32/25mm
0111118	Aquatherm Greenpipe reducer	40/20mm
0111120	Aquatherm Greenpipe reducer	40/25mm
0111122	Aquatherm Greenpipe reducer	40/32mm
0111124	Aquatherm Greenpipe reducer	50/20mm
0111126	Aquatherm Greenpipe reducer	50/25mm
0111128	Aquatherm Greenpipe reducer	50/32mm
0111130	Aquatherm Greenpipe reducer	50/40mm
0111131	Aquatherm Greenpipe reducer	63/20mm
0111132	Aquatherm Greenpipe reducer	63/25mm
0111134	Aquatherm Greenpipe reducer	63/32mm
0111136	Aquatherm Greenpipe reducer	63/40mm



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0111138	Aquatherm Greenpipe reducer	63/50mm
0111139	Aquatherm Greenpipe reducer	75/40mm
0111140	Aquatherm Greenpipe reducer	75/50mm
0111142	Aquatherm Greenpipe reducer	75/63mm
0111143	Aquatherm Greenpipe reducer	75/25mm
0111145	Aquatherm Greenpipe reducer	75/32mm
0111151	Aquatherm Greenpipe reducer	90/50mm
0111152	Aquatherm Greenpipe reducer	90/63mm
0111153	Aquatherm Greenpipe reducer	90/75mm
0111155	Aquatherm Greenpipe reducer	110/63mm
0111157	Aquatherm Greenpipe reducer	110/75mm
0111159	Aquatherm Greenpipe reducer	110/90mm
0111161	Aquatherm Greenpipe reducer	125/75mm
0111163	Aquatherm Greenpipe reducer	125/90mm
0111165	Aquatherm Greenpipe reducer	125/110mm
0111176	Aquatherm Greenpipe reducer	SDR7.4 - 160/125mm
0111177	Aquatherm Greenpipe reducer	SDR11 - 160/125mm
0111184	Aquatherm Greenpipe reducer	SDR7.4 - 200/160mm
0111185	Aquatherm Greenpipe reducer	SDR11 - 200/160mm
0111190	Aquatherm Greenpipe reducer	SDR7.4 - 250/200mm
0111191	Aquatherm Greenpipe reducer	SDR11 - 250/200mm
0111238	Aquatherm Greenpipe reducing socket	63/50mm
0111242	Aquatherm Greenpipe reducing socket	75/63mm
0111253	Aquatherm Greenpipe reducing socket	90/75mm
0112106	Aquatherm Greenpipe elbow 90°	16mm
0112108	Aquatherm Greenpipe elbow 90°	20mm
0112110	Aquatherm Greenpipe elbow 90°	25mm
0112112	Aquatherm Greenpipe elbow 90°	32mm
0112114	Aquatherm Greenpipe elbow 90°	40mm
0112116	Aquatherm Greenpipe elbow 90°	50mm
0112118	Aquatherm Greenpipe elbow 90°	63mm
0112120	Aquatherm Greenpipe elbow 90°	75mm
0112122	Aquatherm Greenpipe elbow 90°	90mm
0112124	Aquatherm Greenpipe elbow 90°	110mm
0112126	Aquatherm Greenpipe elbow 90°	125mm
0112130	Aquatherm Greenpipe elbow 90°	SDR7.4 - 160mm
0112131	Aquatherm Greenpipe elbow 90°	SDR11 - 160mm
0112134	Aquatherm Greenpipe elbow 90°	SDR7.4 - 200mm
0112135	Aquatherm Greenpipe elbow 90°	SDR11 - 200mm
0112138	Aquatherm Greenpipe elbow 90°	SDR7.4 - 250mm
0112139	Aquatherm Greenpipe elbow 90°	SDR11 - 250mm
0112506	Aquatherm Greenpipe elbow 45°	16mm
0112508	Aquatherm Greenpipe elbow 45°	20mm
0112510	Aquatherm Greenpipe elbow 45°	25mm
0112512	Aquatherm Greenpipe elbow 45°	32mm
0112514	Aquatherm Greenpipe elbow 45°	40mm
0112516	Aquatherm Greenpipe elbow 45°	50mm
0112518	Aquatherm Greenpipe elbow 45°	63mm



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0112520	Aquatherm Greenpipe elbow 45°	75mm
0112522	Aquatherm Greenpipe elbow 45°	90mm
0112524	Aquatherm Greenpipe elbow 45°	110mm
0112526	Aquatherm Greenpipe elbow 45°	125mm
0112530	Aquatherm Greenpipe elbow 45°	SDR7.4 - 160mm
0112531	Aquatherm Greenpipe elbow 45°	SDR11 - 160mm
0112534	Aquatherm Greenpipe elbow 45°	SDR7.4 - 200mm
0112535	Aquatherm Greenpipe elbow 45°	SDR11 - 200mm
0112538	Aquatherm Greenpipe elbow 45°	SDR7.4 - 250mm
0112539	Aquatherm Greenpipe elbow 45°	SDR11 - 250mm
0112708	Aquatherm Greenpipe elbow 45°	20mm internal/external
0112710	Aquatherm Greenpipe elbow 45°	25mm internal/external
0112712	Aquatherm Greenpipe elbow 45°	32mm internal/external
0112714	Aquatherm Greenpipe elbow 45°	40mm internal/external
0113106	Aquatherm Greenpipe tee	16mm
0113108	Aquatherm Greenpipe tee	20mm
0113110	Aquatherm Greenpipe tee	25mm
0113112	Aquatherm Greenpipe tee	32mm
0113114	Aquatherm Greenpipe tee	40mm
0113116	Aquatherm Greenpipe tee	50mm
0113118	Aquatherm Greenpipe tee	63mm
0113120	Aquatherm Greenpipe tee	75mm
0113122	Aquatherm Greenpipe tee	90mm
0113124	Aquatherm Greenpipe tee	110mm
0113126	Aquatherm Greenpipe tee	125mm
0113130	Aquatherm Greenpipe tee	SDR7.4 - 160mm
0113131	Aquatherm Greenpipe tee	SDR11 - 160mm
0113134	Aquatherm Greenpipe tee	SDR7.4 - 200mm
0113135	Aquatherm Greenpipe tee	SDR11 - 200mm
0113138	Aquatherm Greenpipe tee	SDR7.4 - 250mm
0113139	Aquatherm Greenpipe tee	SDR11 - 250mm
0113506	Aquatherm Greenpipe reducing tee	20x16x16mm
0113508	Aquatherm Greenpipe reducing tee	20x16x20mm
0113510	Aquatherm Greenpipe reducing tee	20x20x16mm
0113511	Aquatherm Greenpipe reducing tee	20x25x20mm
0113512	Aquatherm Greenpipe reducing tee	25x16x16mm
0113514	Aquatherm Greenpipe reducing tee	25x16x20mm
0113516	Aquatherm Greenpipe reducing tee	25x16x25mm
0113520	Aquatherm Greenpipe reducing tee	25x20x20mm
0113522	Aquatherm Greenpipe reducing tee	25x20x25mm
0113528	Aquatherm Greenpipe reducing tee	32x16x32mm
0113532	Aquatherm Greenpipe reducing tee	32x20x20mm
0113534	Aquatherm Greenpipe reducing tee	32x20x32mm
0113540	Aquatherm Greenpipe reducing tee	32x25x32mm
0113542	Aquatherm Greenpipe reducing tee	40x20x40mm
0113544	Aquatherm Greenpipe reducing tee	40x25x40mm
0113546	Aquatherm Greenpipe reducing tee	40x32x40mm



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0113547	Aquatherm Greenpipe reducing tee	50x20x50mm
0113548	Aquatherm Greenpipe reducing tee	50x25x50mm
0113550	Aquatherm Greenpipe reducing tee	50x32x50mm
0113551	Aquatherm Greenpipe reducing tee	50x40x50mm
0113552	Aquatherm Greenpipe reducing tee	63x20x63mm
0113554	Aquatherm Greenpipe reducing tee	63x25x63mm
0113556	Aquatherm Greenpipe reducing tee	63x32x63mm
0113558	Aquatherm Greenpipe reducing tee	63x40x63mm
0113560	Aquatherm Greenpipe reducing tee	63x50x63mm
0113561	Aquatherm Greenpipe reducing tee	75x20x75mm
0113562	Aquatherm Greenpipe reducing tee	75x25x75mm
0113564	Aquatherm Greenpipe reducing tee	75x32x75mm
0113566	Aquatherm Greenpipe reducing tee	75x40x75mm
0113568	Aquatherm Greenpipe reducing tee	75x50x75mm
0113570	Aquatherm Greenpipe reducing tee	75x63x75mm
0113576	Aquatherm Greenpipe reducing tee	90x32x90mm
0113578	Aquatherm Greenpipe reducing tee	90x40x90mm
0113580	Aquatherm Greenpipe reducing tee	90x50x90mm
0113582	Aquatherm Greenpipe reducing tee	90x63x90mm
0113584	Aquatherm Greenpipe reducing tee	90x75x90mm
0113586	Aquatherm Greenpipe reducing tee	110x63x110mm
0113588	Aquatherm Greenpipe reducing tee	110x75x110mm
0113590	Aquatherm Greenpipe reducing tee	110x90x110mm
0113592	Aquatherm Greenpipe reducing tee	125x75x125mm
0113594	Aquatherm Greenpipe reducing tee	125x90x125mm
0113596	Aquatherm Greenpipe reducing tee	125x110x125mm
0113600	Aquatherm Greenpipe reducing tee	SDR7.4 - 160x75x160mm
0113601	Aquatherm Greenpipe reducing tee	SDR11 - 160x75x160mm
0113602	Aquatherm Greenpipe reducing tee	SDR7.4 - 160x90x160mm
0113603	Aquatherm Greenpipe reducing tee	SDR11 - 160x90x160mm
0113608	Aquatherm Greenpipe reducing tee	SDR7.4 - 200x75x200mm
0113609	Aquatherm Greenpipe reducing tee	SDR11 - 200x75x200mm
0113610	Aquatherm Greenpipe reducing tee	SDR7.4 - 200x90x200mm
0113611	Aquatherm Greenpipe reducing tee	SDR11 - 200x90x200mm
0113612	Aquatherm Greenpipe reducing tee	SDR7.4 - 200x110x200mm
0113613	Aquatherm Greenpipe reducing tee	SDR11 - 200x110x200mm
0113614	Aquatherm Greenpipe reducing tee	SDR7.4 - 200x125x200mm
0113615	Aquatherm Greenpipe reducing tee	SDR11 - 200x125x200mm
0113624	Aquatherm Greenpipe reducing tee	SDR7.4 - 250x75x250mm
0113625	Aquatherm Greenpipe reducing tee	SDR11 - 250x75x250mm
0113626	Aquatherm Greenpipe reducing tee	SDR7.4 - 250x90x250mm
0113627	Aquatherm Greenpipe reducing tee	SDR11 - 250x90x250mm
0113628	Aquatherm Greenpipe reducing tee	SDR7.4 - 250x110x250mm
0113629	Aquatherm Greenpipe reducing tee	SDR11 - 250x110x250mm
0113630	Aquatherm Greenpipe reducing tee	SDR7.4 - 250x125x250mm
0113631	Aquatherm Greenpipe reducing tee	SDR11 - 250x125x250mm
0113708	Aquatherm Greenpipe cross	20mm
0113710	Aquatherm Greenpipe cross	25mm



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0113712	Aquatherm Greenpipe cross	32mm
0113714	Aquatherm Greenpipe cross	40mm
0114106	Aquatherm Greenpipe end cap	16mm
0114108	Aquatherm Greenpipe end cap	20mm
0114110	Aquatherm Greenpipe end cap	25mm
0114112	Aquatherm Greenpipe end cap	32mm
0114114	Aquatherm Greenpipe end cap	40mm
0114116	Aquatherm Greenpipe end cap	50mm
0114118	Aquatherm Greenpipe end cap	63mm
0114120	Aquatherm Greenpipe end cap	75mm
0114122	Aquatherm Greenpipe end cap	90mm
0114124	Aquatherm Greenpipe end cap	110mm
0114126	Aquatherm Greenpipe end cap	125mm
0114130	Aquatherm Greenpipe end cap	SDR7.4 - 160mm
0114131	Aquatherm Greenpipe end cap	SDR11 - 160mm
0114134	Aquatherm Greenpipe end cap	SDR7.4 - 200mm
0114135	Aquatherm Greenpipe end cap	SDR11 - 200mm
0114138	Aquatherm Greenpipe end cap	SDR7.4 - 250mm
0114139	Aquatherm Greenpipe end cap	SDR11 - 250mm
0115156	Aquatherm Greenpipe fusion outlet	40/20mm
0115158	Aquatherm Greenpipe fusion outlet	40/25mm
0115160	Aquatherm Greenpipe fusion outlet	50/20mm
0115162	Aquatherm Greenpipe fusion outlet	50/25mm
0115164	Aquatherm Greenpipe fusion outlet	63/20mm
0115166	Aquatherm Greenpipe fusion outlet	63/25mm
0115168	Aquatherm Greenpipe fusion outlet	63/32mm
0115170	Aquatherm Greenpipe fusion outlet	75/20mm
0115172	Aquatherm Greenpipe fusion outlet	75/25mm
0115174	Aquatherm Greenpipe fusion outlet	75/32mm
0115175	Aquatherm Greenpipe fusion outlet	75/40mm
0115176	Aquatherm Greenpipe fusion outlet	90/20mm
0115178	Aquatherm Greenpipe fusion outlet	90/25mm
0115180	Aquatherm Greenpipe fusion outlet	90/32mm
0115181	Aquatherm Greenpipe fusion outlet	90/40mm
0115182	Aquatherm Greenpipe fusion outlet	110/20mm
0115184	Aquatherm Greenpipe fusion outlet	110/25mm
0115186	Aquatherm Greenpipe fusion outlet	110/32mm
0115188	Aquatherm Greenpipe fusion outlet	110/40mm
0115189	Aquatherm Greenpipe fusion outlet	110/50mm
0115190	Aquatherm Greenpipe fusion outlet	125/20mm
0115192	Aquatherm Greenpipe fusion outlet	125/25mm
0115194	Aquatherm Greenpipe fusion outlet	125/32mm
0115196	Aquatherm Greenpipe fusion outlet	125/40mm
0115197	Aquatherm Greenpipe fusion outlet	125/50mm
0115198	Aquatherm Greenpipe fusion outlet	125/63mm
0115206	Aquatherm Greenpipe fusion outlet	160/20mm
0115208	Aquatherm Greenpipe fusion outlet	160/25mm
0115210	Aquatherm Greenpipe fusion outlet	160/32mm



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0115212	Aquatherm Greenpipe fusion outlet	160/40mm
0115214	Aquatherm Greenpipe fusion outlet	160/50mm
0115216	Aquatherm Greenpipe fusion outlet	160/63mm
0115228	Aquatherm Greenpipe fusion outlet	200-250/20mm
0115229	Aquatherm Greenpipe fusion outlet	200-250/25mm
0115230	Aquatherm Greenpipe fusion outlet	200-250/32mm
0115231	Aquatherm Greenpipe fusion outlet	200/40mm
0115232	Aquatherm Greenpipe fusion outlet	200/50mm
0115233	Aquatherm Greenpipe fusion outlet	200/63mm
0115251	Aquatherm Greenpipe fusion outlet	250/40mm
0115252	Aquatherm Greenpipe fusion outlet	250/50mm
0115253	Aquatherm Greenpipe fusion outlet	250/63mm
0115512	Aquatherm Greenpipe flange adapter	32mm
0115514	Aquatherm Greenpipe flange adapter	40mm
0115516	Aquatherm Greenpipe flange adapter	50mm
0115518	Aquatherm Greenpipe flange adapter	63mm
0115520	Aquatherm Greenpipe flange adapter	75mm
0115522	Aquatherm Greenpipe flange adapter	90mm
0115524	Aquatherm Greenpipe flange adapter	110mm
0115527	Aquatherm Greenpipe flange adapter	125mm
0115530	Aquatherm Greenpipe flange adapter	SDR7.4 - 160mm
0115531	Aquatherm Greenpipe flange adapter	SDR11 - 160mm
0115534	Aquatherm Greenpipe flange adapter	SDR7.4 - 200mm
0115535	Aquatherm Greenpipe flange adapter	SDR11 - 200mm
0115538	Aquatherm Greenpipe flange adapter	SDR7.4 - 250mm
0115539	Aquatherm Greenpipe flange adapter	SDR11 - 250mm
0115812	Aquatherm Greenpipe union	joint - brass - 32mm
0115814	Aquatherm Greenpipe union	joint - brass - 40mm
0115816	Aquatherm Greenpipe union	joint - brass - 50mm
0115818	Aquatherm Greenpipe union	joint - brass - 63mm
0115820	Aquatherm Greenpipe union	joint - brass - 75mm
0115838	Aquatherm Greenpipe union	joint - PP - 20mm
0115840	Aquatherm Greenpipe union	joint - PP - 25mm
0115842	Aquatherm Greenpipe union	joint - PP - 32mm
0115844	Aquatherm Greenpipe union	joint - PP - 40mm
0115846	Aquatherm Greenpipe union	joint - PP - 50mm
0115848	Aquatherm Greenpipe union	joint - PP - 63mm
0120106	Aquatherm Greenpipe back plate elbow	16mm x 1/2" f
0120108	Aquatherm Greenpipe back plate elbow	20mm x 1/2" f
0120110	Aquatherm Greenpipe back plate elbow	20mm x 3/4" f
0120112	Aquatherm Greenpipe back plate elbow	25mm x 3/4" f
0120113	Aquatherm Greenpipe back plate elbow	25mm x 1/2" f
0121006	Aquatherm Greenpipe female adapter	round - 16mm x 1/2" f
0121008	Aquatherm Greenpipe female adapter	round - 20mm x 1/2" f
0121010	Aquatherm Greenpipe female adapter	round - 20mm x 3/4" f
0121011	Aquatherm Greenpipe female adapter	round - 25mm x 1/2" f
0121012	Aquatherm Greenpipe female adapter	round - 25mm x 3/4" f
0121013	Aquatherm Greenpipe female adapter	round - 32mm x 3/4" f



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0121106	Aquatherm Greenpipe female adapter - hex	hexagon - 16mm x 1/2" f
0121108	Aquatherm Greenpipe female adapter - hex	hexagon - 20mm x 1/2" f
0121110	Aquatherm Greenpipe female adapter - hex	hexagon - 20mm x 3/4" f
0121111	Aquatherm Greenpipe female adapter - hex	hexagon - 25mm x 1/2" f
0121112	Aquatherm Greenpipe female adapter - hex	hexagon - 25mm x 3/4" f
0121113	Aquatherm Greenpipe female adapter - hex	hexagon - 32mm x 3/4" f
0121114	Aquatherm Greenpipe female adapter - hex	hexagon - 32mm x 1" f
0121115	Aquatherm Greenpipe female adapter - hex	hexagon - 40mm x 1" f
0121116	Aquatherm Greenpipe female adapter - hex	hexagon - 40mm x 1 1/4" f
0121117	Aquatherm Greenpipe female adapter - hex	hexagon - 50mm x 1 1/4" f
0121118	Aquatherm Greenpipe female adapter - hex	hexagon - 50mm x 1 1/2" f
0121119	Aquatherm Greenpipe female adapter - hex	hexagon - 63mm x 1 1/2" f
0121120	Aquatherm Greenpipe female adapter - hex	hexagon - 63mm x 2" f
0121122	Aquatherm Greenpipe female adapter - hex	hexagon - 75mm x 2" f
0121206	Aquatherm Greenpipe male adapter	round - 16mm x 1/2" m
0121208	Aquatherm Greenpipe male adapter	round - 20mm x 1/2" m
0121210	Aquatherm Greenpipe male adapter	round - 20mm x 3/4" m
0121211	Aquatherm Greenpipe male adapter	round - 25mm x 1/2" m
0121212	Aquatherm Greenpipe male adapter	round - 25mm x 3/4" m
0121213	Aquatherm Greenpipe male adapter	round - 32mm x 3/4" m
0121306	Aquatherm Greenpipe male adapter - hex	hexagon - 16mm x 1/2" m
0121308	Aquatherm Greenpipe male adapter - hex	hexagon - 20mm x 1/2" m
0121310	Aquatherm Greenpipe male adapter - hex	hexagon - 20mm x 3/4" m
0121312	Aquatherm Greenpipe male adapter - hex	hexagon - 25mm x 3/4" m
0121314	Aquatherm Greenpipe male adapter - hex	hexagon - 32mm x 1" m
0121316	Aquatherm Greenpipe male adapter - hex	hexagon - 32mm x 1 1/4" m
0121317	Aquatherm Greenpipe male adapter - hex	hexagon - 40mm x 1" m
0121318	Aquatherm Greenpipe male adapter - hex	hexagon - 40mm x 1 1/4" m
0121319	Aquatherm Greenpipe male adapter - hex	hexagon - 50mm x 1 1/4" m
0121320	Aquatherm Greenpipe male adapter - hex	hexagon - 50mm x 1 1/2" m
0121321	Aquatherm Greenpipe male adapter - hex	hexagon - 63mm x 1 1/2" m
0121322	Aquatherm Greenpipe male adapter - hex	hexagon - 63mm x 2" m
0121323	Aquatherm Greenpipe male adapter - hex	hexagon - 75mm x 2" m
0121324	Aquatherm Greenpipe male adapter - hex	hexagon - 75mm x 2 1/2" m
0121325	Aquatherm Greenpipe male adapter - hex	hexagon - 90mm x 3" m
0121327	Aquatherm Greenpipe male adapter - hex	hexagon - 110mm x 4" m
0123006	Aquatherm Greenpipe transition elbow 16mm x 1/2" f	
0123008	Aquatherm Greenpipe transition elbow 20mm x 3/4" f	
0123010	Aquatherm Greenpipe transition elbow 20mm x 1/2" f	
0123012	Aquatherm Greenpipe transition elbow 25mm x 3/4" f	
0123014	Aquatherm Greenpipe transition elbow 25mm x 1/2" f	
0123016	Aquatherm Greenpipe transition elbow 32mm x 3/4" f	
0123018	Aquatherm Greenpipe transition elbow 32mm x 1" f	
0123208	Aquatherm Greenpipe transition elbow 20mm external x 1/2" f	
0123504	Aquatherm Greenpipe transition elbow 16mm x 1/2" m	
0123506	Aquatherm Greenpipe transition elbow 20mm x 1/2" m	
0123508	Aquatherm Greenpipe transition elbow 20mm x 3/4" m	
0123510	Aquatherm Greenpipe transition elbow 25mm x 3/4" m	



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0123512	Aquatherm Greenpipe transition elbow	32mm x 3/4"m
0123514	Aquatherm Greenpipe transition elbow	32mm x 1"m
0125004	Aquatherm Greenpipe transition tee	16 x 1/2"f x 16mm
0125006	Aquatherm Greenpipe transition tee	20 x 1/2"f x 20mm
0125008	Aquatherm Greenpipe transition tee	20 x 3/4"f x 20mm
0125010	Aquatherm Greenpipe transition tee	25 x 1/2"f x 25mm
0125012	Aquatherm Greenpipe transition tee	25 x 3/4"f x 25mm
0125014	Aquatherm Greenpipe transition tee	32 x 3/4"f x 32mm
0125016	Aquatherm Greenpipe transition tee	32 x 1"f x 32mm
0125022	Aquatherm Greenpipe transition tee	50 x 1"f x 50mm
0125506	Aquatherm Greenpipe transition tee	20 x 1/2"m x 20mm
0126608	Aquatherm Greenpipe transition joint	20mm x 1/2"m
0126610	Aquatherm Greenpipe transition joint	25mm x 3/4"m
0126612	Aquatherm Greenpipe transition joint	32mm x 1"m
0126614	Aquatherm Greenpipe transition joint	40mm x 1 1/4"m
0126616	Aquatherm Greenpipe transition joint	50mm x 1 1/2"m
0126618	Aquatherm Greenpipe transition joint	63mm x 2"m
0126638	Aquatherm Greenpipe transition joint	20mm x 1/2"f
0126640	Aquatherm Greenpipe transition joint	25mm x 3/4"f
0126642	Aquatherm Greenpipe transition joint	32mm x 1"f
0126644	Aquatherm Greenpipe transition joint	40mm x 1 1/4"f
0126646	Aquatherm Greenpipe transition joint	50mm x 1 1/2"f
0126648	Aquatherm Greenpipe transition joint	63mm x 2"f
0128214	Aquatherm Greenpipe weld-in saddle	hexagon - 40/25mm x 1/2"f
0128216	Aquatherm Greenpipe weld-in saddle	hexagon - 50/25mm x 1/2"f
0128218	Aquatherm Greenpipe weld-in saddle	hexagon - 63/25mm x 1/2"f
0128220	Aquatherm Greenpipe weld-in saddle	hexagon - 75/25mm x 1/2"f
0128222	Aquatherm Greenpipe weld-in saddle	hexagon - 90/25mm x 1/2"f
0128224	Aquatherm Greenpipe weld-in saddle	hexagon - 110/25mm x 1/2"f
0128226	Aquatherm Greenpipe weld-in saddle	hexagon - 125/25mm x 1/2"f
0128230	Aquatherm Greenpipe weld-in saddle	hexagon - 160/25mm x 1/2"f
0128232	Aquatherm Greenpipe weld-in saddle	hex. - 200-250/25mm x 1/2"f
0128234	Aquatherm Greenpipe weld-in saddle	hexagon - 40/25mm x 3/4"f
0128236	Aquatherm Greenpipe weld-in saddle	hexagon - 50/25mm x 3/4"f
0128238	Aquatherm Greenpipe weld-in saddle	hexagon - 63/25mm x 3/4"f
0128240	Aquatherm Greenpipe weld-in saddle	hexagon - 75/25mm x 3/4"f
0128242	Aquatherm Greenpipe weld-in saddle	hexagon - 90/25mm x 3/4"f
0128244	Aquatherm Greenpipe weld-in saddle	hexagon - 110/25mm x 3/4"f
0128246	Aquatherm Greenpipe weld-in saddle	hexagon - 125/25mm x 3/4"f
0128250	Aquatherm Greenpipe weld-in saddle	hexagon - 160/25mm x 3/4"f
0128254	Aquatherm Greenpipe weld-in saddle	hex. - 200-250/25mm x 3/4"f
0128260	Aquatherm Greenpipe weld-in saddle	hexagon - 75/32mm x 1"f
0128262	Aquatherm Greenpipe weld-in saddle	hexagon - 90/32mm x 1"f
0128264	Aquatherm Greenpipe weld-in saddle	hexagon - 110/32mm x 1"f
0128266	Aquatherm Greenpipe weld-in saddle	hexagon - 125/32mm x 1"f
0128270	Aquatherm Greenpipe weld-in saddle	hexagon - 160/32mm x 1"f
0128274	Aquatherm Greenpipe weld-in saddle	hexagon - 200-250/32mm x 1"f
0128314	Aquatherm Greenpipe weld-in saddle	40/25 mm x 1/2" m



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0128316	Aquatherm Greenpipe weld-in saddle	50/25 mm x 1/2" m
0128318	Aquatherm Greenpipe weld-in saddle	63/25 mm x 1/2" m
0128320	Aquatherm Greenpipe weld-in saddle	75/25 mm x 1/2" m
0128322	Aquatherm Greenpipe weld-in saddle	90/25 mm x 1/2" m
0128324	Aquatherm Greenpipe weld-in saddle	110/25 mm x 1/2" m
0128326	Aquatherm Greenpipe weld-in saddle	125/25 mm x 1/2" m
0128330	Aquatherm Greenpipe weld-in saddle	160/25 mm x 1/2" m
0141388	Aquatherm Greenpipe PP-ball valve	fusion connection - 20mm
0141390	Aquatherm Greenpipe PP-ball valve	fusion connection - 25mm
0141392	Aquatherm Greenpipe PP-ball valve	fusion connection - 32mm
0141394	Aquatherm Greenpipe PP-ball valve	fusion connection - 40mm
0141396	Aquatherm Greenpipe PP-ball valve	fusion connection - 50mm
0141398	Aquatherm Greenpipe PP-ball valve	fusion connection - 63mm
0141400	Aquatherm Greenpipe PP-ball valve	flange connection - 75mm
0141402	Aquatherm Greenpipe PP-ball valve	flange connection - 90mm
0141404	Aquatherm Greenpipe PP-ball valve	flange connection - 110mm
0141406	Aquatherm Greenpipe PP-ball valve	flange connection - 125mm