

IAPMO RESEARCH AND TESTING, INC.

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CERTIFICATE OF LISTING



IAPMO Research and Testing, Inc. is a product certification body in which its product certification system includes inspection and testing of 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/or 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.

Issued To:

AQUATHERM GMBH

BIGGEN 5 D-57439 ATTENDORN , GERMANY

Product:

Pressure Rated Polypropylene Piping Systems

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

Uniform Mechanical Code (UMC®)

Products are certified to the following standard(s)

ASTM F2389-2021

File Number: M-6022

Effective Date: April 2024

Void After: April 2029*


Chairman, Product Certification Committee



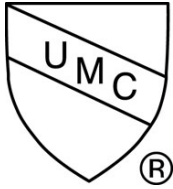

Chief Technical Service Officer

*This certificate is not evidence of current listing. To verify listing status, visit the IAPMO R&T Product Listing Directory at pld.iapmo.org

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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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.

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.

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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.

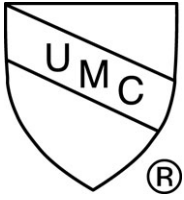
NOTE: All Aquatherm Bluepipe models may show Climatherm as the product line name as this name becomes phased out of production.

PIPE

Model Number	Description	Length
1011020006	Aquatherm Greenpipe SDR 6 S	20x3.4mm
1011025008	Aquatherm Greenpipe SDR 6 S	25x4.2mm
1011032010	Aquatherm Greenpipe SDR 6 S	32x5.4mm
1011040012	Aquatherm Greenpipe SDR 6 S	40x6.7mm
1011050014	Aquatherm Greenpipe SDR 6 S	50x8.3mm
1011063016	Aquatherm Greenpipe SDR 6 S	63x10.5mm
1011075018	Aquatherm Greenpipe SDR 6 S	75x12.5mm
1011090020	Aquatherm Greenpipe SDR 6 S	90x15.0mm
1011110022	Aquatherm Greenpipe SDR 6 S	110x18.3mm
1011016303	Aquatherm Greenpipe SDR 6 S	16x2.7mm - coil:100m
1011020306	Aquatherm Greenpipe SDR 6 S	20x3.4mm - coil:100m
1011025308	Aquatherm Greenpipe SDR 6 S	25x4.2mm - coil:100m
1014020006	Aquatherm Green Pipe SDR 11 S	20x1.9mm
1014025008	Aquatherm Green Pipe SDR 11 S	25x2.3mm
1014032010	Aquatherm Green Pipe SDR 11 S	32x2.9mm
1014040012	Aquatherm Green Pipe SDR 11 S	40x3.7mm
1014050014	Aquatherm Green Pipe SDR 11 S	50x4.6mm
1014063016	Aquatherm Green Pipe SDR 11 S	63x5.8mm
1014075018	Aquatherm Green Pipe SDR 11 S	75x6.8mm
1014090020	Aquatherm Green Pipe SDR 11 S	90x8.2mm
1014110022	Aquatherm Green Pipe SDR 11 S	110x10.0mm
1014125024	Aquatherm Green Pipe SDR 11 S	125x11.4mm
1014160026	Aquatherm Green Pipe SDR 11 S	160x14.6mm

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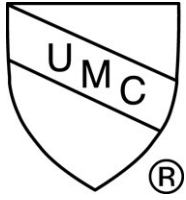
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Model Number	Description	Length
1014200028	Aquatherm Green Pipe SDR 11 S	200x18.2mm
1014250030	Aquatherm Green Pipe SDR 11 S	250x22.7mm
1014020306	Aquatherm Green Pipe SDR 11 S	20x1.9mm - coil:100m
1014025308	Aquatherm Green Pipe SDR 11 S	25x2.3mm - coil:100m
1014032310	Aquatherm Green Pipe SDR 11 S	32x2.9mm - coil:100m
1012020506	Aquatherm Green Pipe SDR 7.4 MF	20x2.8mm
1012025508	Aquatherm Green Pipe SDR 7.4 MF	25x3.5mm
1012032510	Aquatherm Green Pipe SDR 7.4 MF	32x4.4mm
1012040512	Aquatherm Green Pipe SDR 7.4 MF	40x5.5mm
1012050514	Aquatherm Green Pipe SDR 7.4 MF	50x6.9mm
1012063516	Aquatherm Green Pipe SDR 7.4 MF	63x8.6mm
1012075518	Aquatherm Green Pipe SDR 7.4 MF	75x10.3mm
1012090520	Aquatherm Green Pipe SDR 7.4 MF	90x12.3mm
1012110522	Aquatherm Green Pipe SDR 7.4 MF	110x15.1mm
1012125524	Aquatherm Green Pipe SDR 7.4 MF	125x17.1mm
1012160526	Aquatherm Green Pipe SDR 7.4 MF	160x21.9mm
1012200528	Aquatherm Green Pipe SDR 7.4 MF	200x27.4mm
1012250530	Aquatherm Green Pipe SDR 7.4 MF	250x34.2mm
1212020006	Aquatherm Green Pipe SDR 7.4 MF UV	UV - 20x2.8mm
1212025008	Aquatherm Green Pipe SDR 7.4 MF UV	UV - 25x3.5mm
1212032010	Aquatherm Green Pipe SDR 7.4 MF UV	UV - 32x4.4mm
1212040012	Aquatherm Green Pipe SDR 7.4 MF UV	UV - 40x5.5mm
1212050014	Aquatherm Green Pipe SDR 7.4 MF UV	UV - 50x6.9mm
1212063016	Aquatherm Green Pipe SDR 7.4 MF UV	UV - 63x8.6mm
1212075018	Aquatherm Green Pipe SDR 7.4 MF UV	UV - 75x10.3mm
1212090020	Aquatherm Green Pipe SDR 7.4 MF UV	SDR7.4 - UV - 90x12.3mm
1212110022	Aquatherm Green Pipe SDR 7.4 MF UV	SDR7.4 - UV - 110x15.1mm
1212125024	Aquatherm Green Pipe SDR 7.4 MF UV	SDR7.4 - UV - 125x17.1mm
1212160026	Aquatherm Green Pipe SDR 7.4 MF UV	160x21.9mm

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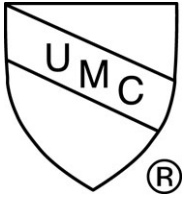
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1212200028	Aquatherm Green Pipe SDR 7.4 MF UV	200x27.4mm
1212250030	Aquatherm Green Pipe SDR 7.4 MF UV	250x34.2mm
2014020306	Aquatherm Blue Pipe SDR 11	20x1.9mm - coil:100m
2014025308	Aquatherm Blue Pipe SDR 11	25x2.3mm - coil:100m
2014032310	Aquatherm Blue Pipe SDR 11	32x2.9mm - coil:100m
2014040012	Aquatherm Blue Pipe SDR 11 MF	SDR11 - 40x3.7mm
2014050014	Aquatherm Blue Pipe SDR 11 MF	SDR11 - 50x4.6mm
2014063016	Aquatherm Blue Pipe SDR 11 MF	SDR11 - 63x5.8mm
2014075018	Aquatherm Blue Pipe SDR 11 MF	SDR11 - 75x6.8mm
2014090020	Aquatherm Blue Pipe SDR 11 MF	SDR11 - 90x8.2mm
2014110022	Aquatherm Blue Pipe SDR 11 MF	SDR11 - 110x10.0mm
2014125024	Aquatherm Blue Pipe SDR 11 MF	SDR11 - 125x11.4mm
2014160026	Aquatherm Blue Pipe SDR 11 MF	SDR11 - 160x14.6mm
2014200028	Aquatherm Blue Pipe SDR 11 MF	SDR11 - 200x18.2mm
2014250030	Aquatherm Blue Pipe SDR 11 MF	SDR11 - 250x22.7mm
2014315032	Aquatherm Blue Pipe SDR 11 MF	315x28.6mm
2014355034	Aquatherm Blue Pipe SDR 11 MF	355x32.3mm
2014400036	Aquatherm Blue Pipe SDR 11 MF	400x36.4mm
2014450038	Aquatherm Blue Pipe SDR 11 MF	450x40.9mm
2012020006	Aquatherm Blue Pipe SDR 7.4 MF	SDR7.4 - 20x2.8mm
2012025008	Aquatherm Blue Pipe SDR 7.4 MF	SDR7.4 - 25x3.5mm
2017125024	Aquatherm Blue Pipe SDR 17.6 MF RP	125x7.1mm
2017160026	Aquatherm Blue Pipe SDR 17.6 MF RP	160x9.1mm
2017200028	Aquatherm Blue Pipe SDR 17.6 MF RP	200x11.4mm
2017250030	Aquatherm Blue Pipe SDR 17.6 MF RP	250x14.2mm
2017315032	Aquatherm Blue Pipe SDR 17.6 MF RP	315x17.9mm
2017355034	Aquatherm Blue Pipe SDR 17.6 MF RP	355x20.2mm
2017400036	Aquatherm Blue Pipe SDR 17.6 MF RP	400x22.7mm
2017450038	Aquatherm Blue Pipe SDR 17.6 MF RP	450x25.6mm

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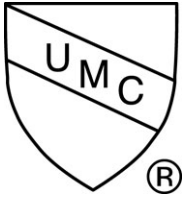
Model Number	Description	Length
2017500040	Aquatherm Blue Pipe SDR 17.6 MF RP	500x28.4mm
2017630042	Aquatherm Blue Pipe SDR 17.6 MF RP	630x35.8mm
2013032110	Aquatherm Blue Pipe SDR 9 MF RP	32x3.6mm
2013040012	Aquatherm Blue Pipe SDR 9 MF RP	40x4.4mm
2013050014	Aquatherm Blue Pipe SDR 9 MF RP	50x5.6mm
2013063016	Aquatherm Blue Pipe SDR 9 MF RP	63x7.0mm
2013075018	Aquatherm Blue Pipe SDR 9 MF RP	75x8.3mm
2013090020	Aquatherm Blue Pipe SDR 9 MF RP	90x10.0mm
2013110022	Aquatherm Blue Pipe SDR 9 MF RP	110x12.2mm
2013125024	Aquatherm Blue Pipe SDR 9 MF RP	125x13.9mm
2013160026	Aquatherm Blue Pipe SDR 9 MF RP	160x17.8mm
2013200028	Aquatherm Blue Pipe SDR 9 MF RP	200x22.2mm
2013250030	Aquatherm Blue Pipe SDR 9 MF RP	250x27.8mm
2013315032	Aquatherm Blue Pipe SDR 9 MF RP	315x35.0mm
2013355034	Aquatherm Blue Pipe SDR 9 MF RP	355x39.4mm

FITTINGS

Model Number	Description	Length
1040020002	Aquatherm Socket	20mm
1040025003	Aquatherm Socket	25mm
1040032004	Aquatherm Socket	32mm
1040040005	Aquatherm Socket	40mm
1040050006	Aquatherm Socket	50mm
1040063007	Aquatherm Socket	63mm
1040075008	Aquatherm Socket	75mm
1040090009	Aquatherm Socket	90mm
1040110010	Aquatherm Socket	110mm
1040125011	Aquatherm Socket	125mm
1040025022	Aquatherm Bushing	25/20mm

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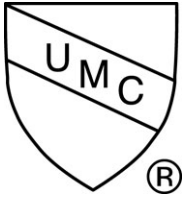
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Model Number	Description	Length
1040032023	Aquatherm Bushing	32/20mm
1040032024	Aquatherm Bushing	32/25mm
1040040025	Aquatherm Bushing	40/20mm
1040040026	Aquatherm Bushing	40/25mm
1040040027	Aquatherm Bushing	40/32mm
1040050028	Aquatherm Bushing	50/20mm
1040050029	Aquatherm Bushing	50/25mm
1040050030	Aquatherm Bushing	50/32mm
1040050031	Aquatherm Bushing	50/40mm
1040063032	Aquatherm Bushing	63/20mm
1040063033	Aquatherm Bushing	63/25mm
1040063034	Aquatherm Bushing	63/32mm
1040063035	Aquatherm Bushing	63/40mm
1040063036	Aquatherm Bushing	63/50mm
1040075037	Aquatherm Bushing	75/40mm
1040075038	Aquatherm Bushing	75/50mm
1040075039	Aquatherm Bushing	75/63mm
1040075041	Aquatherm Bushing	75/25mm
1040075042	Aquatherm Bushing	75/32mm
1040090043	Aquatherm Bushing	90/50mm
1040090044	Aquatherm Bushing	90/63mm
1040090045	Aquatherm Bushing	90/75mm
1040110046	Aquatherm Bushing	110/63mm
1040110047	Aquatherm Bushing	110/75mm
1040110048	Aquatherm Bushing	110/90mm
1040125049	Aquatherm Bushing	125/75mm
1040125050	Aquatherm Bushing	125/90mm
1040125051	Aquatherm Bushing	125/110mm
1042160955	Aquatherm Bushing	SDR7.4 - 160/125mm

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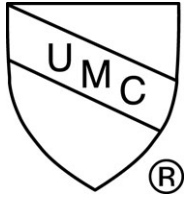
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Model Number	Description	Length
1044160055	Aquatherm Bushing	SDR11 - 160/125mm
1042200959	Aquatherm Bushing	SDR7.4 - 200/160mm
1044200960	Aquatherm Bushing	SDR11 - 200/160mm
1042250963	Aquatherm Bushing	SDR7.4 - 250/200mm
1044250964	Aquatherm Bushing	SDR11 - 250/200mm
1040063036	Aquatherm Reducing Socket	63/50mm
1040075039	Aquatherm Reducing Socket	75/63mm
1040090045	Aquatherm Reducing Socket	90/75mm
1080020041	Aquatherm Elbow 90°	20mm
1080025042	Aquatherm Elbow 90°	25mm
1080032043	Aquatherm Elbow 90°	32mm
1080040044	Aquatherm Elbow 90°	40mm
1080050045	Aquatherm Elbow 90°	50mm
1080063046	Aquatherm Elbow 90°	63mm
1080075047	Aquatherm Elbow 90°	75mm
1080090048	Aquatherm Elbow 90°	90mm
1080110049	Aquatherm Elbow 90°	110mm
1080125050	Aquatherm Elbow 90°	125mm
1082160051	Aquatherm Elbow 90°	SDR7.4 - 160mm
1084160052	Aquatherm Elbow 90°	SDR11 - 160mm
1082200053	Aquatherm Elbow 90°	SDR7.4 - 200mm
1084200054	Aquatherm Elbow 90°	SDR11 - 200mm
1082250055	Aquatherm Elbow 90°	SDR7.4 - 250mm
1084250056	Aquatherm Elbow 90°	SDR11 - 250mm
1080020002	Aquatherm Elbow 45°	20mm
1080025003	Aquatherm Elbow 45°	25mm
1080032004	Aquatherm Elbow 45°	32mm
1080040005	Aquatherm Elbow 45°	40mm
1080050006	Aquatherm Elbow 45°	50mm

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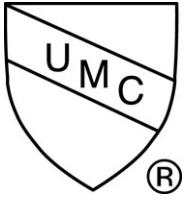
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Model Number	Description	Length
1080064007	Aquatherm Elbow 45°	63mm
1080075008	Aquatherm Elbow 45°	75mm
1080090009	Aquatherm Elbow 45°	90mm
1080110010	Aquatherm Elbow 45°	110mm
1080125011	Aquatherm Elbow 45°	125mm
1082160012	Aquatherm Elbow 45°	SDR7.4 - 160mm
1084160013	Aquatherm Elbow 45°	SDR11 - 160mm
1082200014	Aquatherm Elbow 45°	SDR7.4 - 200mm
1084200015	Aquatherm Elbow 45°	SDR11 - 200mm
1082250016	Aquatherm Elbow 45°	SDR7.4 - 250mm
1084250017	Aquatherm Elbow 45°	SDR11 - 250mm
1080020020	Aquatherm Elbow 45°	20mm internal/external
1080020021	Aquatherm Elbow 45°	25mm internal/external
1080032022	Aquatherm Elbow 45°	32mm internal/external
1080040023	Aquatherm Elbow 45°	40mm internal/external
1060020016	Aquatherm Tee	20mm
1060025017	Aquatherm Tee	25mm
1060032018	Aquatherm Tee	32mm
1060040019	Aquatherm Tee	40mm
1060050020	Aquatherm Tee	50mm
1060063021	Aquatherm Tee	63mm
1060075022	Aquatherm Tee	75mm
1060090023	Aquatherm Tee	90mm
1060110024	Aquatherm Tee	110mm
1060125025	Aquatherm Tee	125mm
1062160012	Aquatherm Tee	SDR7.4 - 160mm
1064160013	Aquatherm Tee	SDR11 - 160mm
1062200014	Aquatherm Tee	SDR7.4 - 200mm
1064200913	Aquatherm Tee	SDR11 - 200mm

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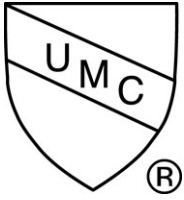
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Model Number	Description	Length
1062250016	Aquatherm Tee	SDR7.4 - 250mm
1064250017	Aquatherm Tee	SDR11 - 250mm
1060020030	Aquatherm Reducing Tee	20x16x16mm
1060020031	Aquatherm Reducing Tee	20x16x20mm
1060020032	Aquatherm Reducing Tee	20x20x16mm
1060020033	Aquatherm Reducing Tee	20x25x20mm
1060025034	Aquatherm Reducing Tee	25x16x16mm
1060025035	Aquatherm Reducing Tee	25x16x20mm
1060025036	Aquatherm Reducing Tee	25x16x25mm
1060025037	Aquatherm Reducing Tee	25x20x20mm
1060025038	Aquatherm Reducing Tee	25x20x25mm
1060032039	Aquatherm Reducing Tee	32x16x32mm
1060032040	Aquatherm Reducing Tee	32x20x20mm
1060032041	Aquatherm Reducing Tee	32x20x32mm
1060032042	Aquatherm Reducing Tee	32x25x32mm
1060040044	Aquatherm Reducing Tee	40x20x40mm
1060040045	Aquatherm Reducing Tee	40x25x40mm
1060040046	Aquatherm Reducing Tee	40x32x40mm
1060050047	Aquatherm Reducing Tee	50x20x50mm
1060050048	Aquatherm Reducing Tee	50x25x50mm
1060050049	Aquatherm Reducing Tee	50x32x50mm
1060050050	Aquatherm Reducing Tee	50x40x50mm
1060063051	Aquatherm Reducing Tee	63x20x63mm
1060063052	Aquatherm Reducing Tee	63x25x63mm
1060063053	Aquatherm Reducing Tee	63x32x63mm
1060063054	Aquatherm Reducing Tee	63x40x63mm
1060063055	Aquatherm Reducing Tee	63x50x63mm
1060075056	Aquatherm Reducing Tee	75x20x75mm
1060075057	Aquatherm Reducing Tee	75x25x75mm

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Model Number	Description	Length
1060075058	Aquatherm Reducing Tee	75x32x75mm
1060075059	Aquatherm Reducing Tee	75x40x75mm
1060075060	Aquatherm Reducing Tee	75x50x75mm
1060075061	Aquatherm Reducing Tee	75x63x75mm
1060090062	Aquatherm Reducing Tee	90x32x90mm
1060090063	Aquatherm Reducing Tee	90x40x90mm
1060090064	Aquatherm Reducing Tee	90x50x90mm
1060090065	Aquatherm Reducing Tee	90x63x90mm
1060090066	Aquatherm Reducing Tee	90x75x90mm
1060110067	Aquatherm Reducing Tee	110x63x110mm
1060110068	Aquatherm Reducing Tee	110x75x110mm
1060110069	Aquatherm Reducing Tee	110x90x110mm
1060125070	Aquatherm Reducing Tee	125x75x125mm
1060125071	Aquatherm Reducing Tee	125x90x125mm
1060125072	Aquatherm Reducing Tee	125x110x125mm
9790113600	Aquatherm Reducing Tee	SDR7.4 - 160x75x160mm
9790113601	Aquatherm Reducing Tee	SDR11 - 160x75x160mm
9790113602	Aquatherm Reducing Tee	SDR7.4 - 160x90x160mm
9790113603	Aquatherm Reducing Tee	SDR11 - 160x90x160mm
9790113608	Aquatherm Reducing Tee	SDR7.4 - 200x75x200mm
9790113609	Aquatherm Reducing Tee	SDR11 - 200x75x200mm
9790113610	Aquatherm Reducing Tee	SDR7.4 - 200x90x200mm
9790113611	Aquatherm Reducing Tee	SDR11 - 200x90x200mm
9790113612	Aquatherm Reducing Tee	SDR7.4 - 200x110x200mm
9790113613	Aquatherm Reducing Tee	SDR11 - 200x110x200mm
9790113614	Aquatherm Reducing Tee	SDR7.4 - 200x125x200mm
9790113615	Aquatherm Reducing Tee	SDR11 - 200x125x200mm
9790113624	Aquatherm Reducing Tee	SDR7.4 - 250x75x250mm
9790113625	Aquatherm Reducing Tee	SDR11 - 250x75x250mm

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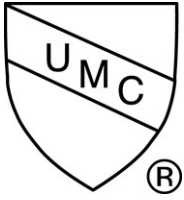
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Model Number	Description	Length
9790113626	Aquatherm Reducing Tee	SDR7.4 - 250x90x250mm
9790113627	Aquatherm Reducing Tee	SDR11 - 250x90x250mm
9790113628	Aquatherm Reducing Tee	SDR7.4 - 250x110x250mm
9790113629	Aquatherm Reducing Tee	SDR11 - 250x110x250mm
9790113630	Aquatherm Reducing Tee	SDR7.4 - 250x125x250mm
9790113631	Aquatherm Reducing Tee	SDR11 - 250x125x250mm
1040020090	Aquatherm Cross	20mm
1040025091	Aquatherm Cross	25mm
1040032092	Aquatherm Cross	32mm
1040040093	Aquatherm Cross	40mm
1020020002	Aquatherm End Cap	20mm
1020025003	Aquatherm End Cap	25mm
1020032004	Aquatherm End Cap	32mm
1020040005	Aquatherm End Cap	40mm
1020050006	Aquatherm End Cap	50mm
1020063007	Aquatherm End Cap	63mm
1020075008	Aquatherm End Cap	75mm
1020090009	Aquatherm End Cap	90mm
1020110010	Aquatherm End Cap	110mm
1020125011	Aquatherm End Cap	125mm
1022160012	Aquatherm End Cap	SDR7.4 - 160mm
1024160013	Aquatherm End Cap	SDR11 - 160mm
1022200014	Aquatherm End Cap	SDR7.4 - 200mm
1024200015	Aquatherm End Cap	SDR11 - 200mm
1022250016	Aquatherm End Cap	SDR7.4 - 250mm
1024250017	Aquatherm End Cap	SDR11 - 250mm
1030040001	Aquatherm Fusion Outlet	40/20mm
1030040002	Aquatherm Fusion Outlet	40/25mm
1030050003	Aquatherm Fusion Outlet	50/20mm

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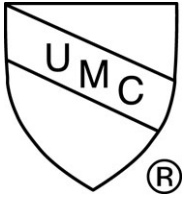
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Model Number	Description	Length
1030050004	Aquatherm Fusion Outlet	50/25mm
1030063005	Aquatherm Fusion Outlet	63/20mm
1030063006	Aquatherm Fusion Outlet	63/25mm
1030063007	Aquatherm Fusion Outlet	63/32mm
1030075008	Aquatherm Fusion Outlet	75/20mm
1030075009	Aquatherm Fusion Outlet	75/25mm
1030075010	Aquatherm Fusion Outlet	75/32mm
1030075011	Aquatherm Fusion Outlet	75/40mm
1030090012	Aquatherm Fusion Outlet	90/20mm
1030090013	Aquatherm Fusion Outlet	90/25mm
1030090014	Aquatherm Fusion Outlet	90/32mm
1030090015	Aquatherm Fusion Outlet	90/40mm
1030110016	Aquatherm Fusion Outlet	110/20mm
1030110017	Aquatherm Fusion Outlet	110/25mm
1030110018	Aquatherm Fusion Outlet	110/32mm
1030110019	Aquatherm Fusion Outlet	110/40mm
1030110020	Aquatherm Fusion Outlet	110/50mm
1030125021	Aquatherm Fusion Outlet	125/20mm
1030125022	Aquatherm Fusion Outlet	125/25mm
1030125023	Aquatherm Fusion Outlet	125/32mm
1030125024	Aquatherm Fusion Outlet	125/40mm
1030125025	Aquatherm Fusion Outlet	125/50mm
1030125026	Aquatherm Fusion Outlet	125/63mm
1030160027	Aquatherm Fusion Outlet	160/20mm
1030160028	Aquatherm Fusion Outlet	160/25mm
1030160029	Aquatherm Fusion Outlet	160/32mm
1030160030	Aquatherm Fusion Outlet	160/40mm
1030160031	Aquatherm Fusion Outlet	160/50mm
1030160032	Aquatherm Fusion Outlet	160/63mm

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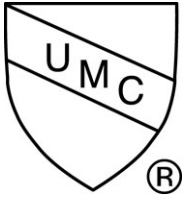
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Model Number	Description	Length
1030250035	Aquatherm Fusion Outlet	200-250/20mm
1030250036	Aquatherm Fusion Outlet	200-250/25mm
1030250037	Aquatherm Fusion Outlet	200-250/32mm
1030200038	Aquatherm Fusion Outlet	200/40mm
1030200039	Aquatherm Fusion Outlet	200/50mm
1030200040	Aquatherm Fusion Outlet	200/63mm
1030250045	Aquatherm Fusion Outlet	250/40mm
1030250046	Aquatherm Fusion Outlet	250/50mm
1030250047	Aquatherm Fusion Outlet	250/63mm
1050032020	Aquatherm Flange Adapater	32mm
1050040021	Aquatherm Flange Adapater	40mm
1050050022	Aquatherm Flange Adapater	50mm
1050063023	Aquatherm Flange Adapater	63mm
1050075024	Aquatherm Flange Adapater	75mm
1050090025	Aquatherm Flange Adapater	90mm
1050110026	Aquatherm Flange Adapater	110mm
1050125027	Aquatherm Flange Adapater	125mm
1052160029	Aquatherm Flange Adapater	SDR7.4 - 160mm
1054160030	Aquatherm Flange Adapater	SDR11 - 160mm
1052200031	Aquatherm Flange Adapater	SDR7.4 - 200mm
1054200032	Aquatherm Flange Adapater	SDR11 - 200mm
1052250033	Aquatherm Flange Adapater	SDR7.4 - 250mm
1054250034	Aquatherm Flange Adapater	SDR11 - 250mm
1050032040	Aquatherm Coupling Screw Joint	joint - brass - 32mm
1050040041	Aquatherm Coupling Screw Joint	joint - brass - 40mm
1050050042	Aquatherm Coupling Screw Joint	joint - brass - 50mm
1050063043	Aquatherm Coupling Screw Joint	joint - brass - 63mm
1050075044	Aquatherm Coupling Screw Joint	joint - brass - 75mm
1050020050	Aquatherm Coupling Screw Joint	joint - PP - 20mm

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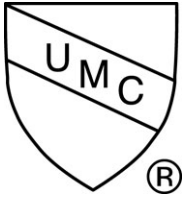
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Model Number	Description	Length
1050025051	Aquatherm Coupling Screw Joint	joint - PP - 25mm
1050032052	Aquatherm Coupling Screw Joint	joint - PP - 32mm
1050040053	Aquatherm Coupling Screw Joint	joint - PP - 40mm
1050050054	Aquatherm Coupling Screw Joint	joint - PP - 50mm
1050063055	Aquatherm Coupling Screw Joint	joint - PP - 63mm
1070020002	Aquatherm Transition Piece with Female Thread - brass	round - 20mm x 1/2"f
1070020060	Aquatherm Transition Piece with Female Thread - stainless steel	round - 20mm x 1/2"f
1070020003	Aquatherm Transition Piece with Female Thread - brass	round - 20mm x 3/4"f
1070020061	Aquatherm Transition Piece with Female Thread - stainless steel	round - 20mm x 3/4"f
1070025004	Aquatherm Transition Piece with Female Thread - brass	round - 25mm x 1/2"f
1070025062	Aquatherm Transition Piece with Female Thread - stainless steel	round - 25mm x 1/2"f
1070025005	Aquatherm Transition Piece with Female Thread - brass	round - 25mm x 3/4"f
1070025063	Aquatherm Transition Piece with Female Thread - stainless steel	round - 25mm x 3/4"f
1070032006	Aquatherm Transition Piece with Female Thread - brass	round - 32mm x 3/4"f
1070032064	Aquatherm Transition Piece with Female Thread - stainless steel	round - 32mm x 3/4"f
1070020008	Aquatherm Transition Piece with Female Thread	hexagon - 20mm x 1/2"f
1070020009	Aquatherm Transition Piece with Female Thread	hexagon - 20mm x 3/4"f
1070025010	Aquatherm Transition Piece with Female Thread	hexagon - 25mm x 1/2"f
1070025011	Aquatherm Transition Piece with Female Thread	hexagon - 25mm x 3/4"f
1070032012	Aquatherm Transition Piece with Female Thread	hexagon - 32mm x 3/4"f

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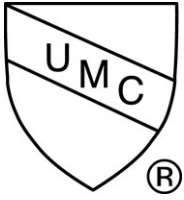
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Model Number	Description	Length
1070032013	Aquatherm Transition Piece with Female Thread - brass	hexagon - 32mm x 1"f
1070032066	Aquatherm Transition Piece with Female Thread - stainless steel	hexagon - 32mm x 1"f
1070040014	Aquatherm Transition Piece with Female Thread - brass	hexagon - 40mm x 1"f
1070040067	Aquatherm Transition Piece with Female Thread - stainless steel	hexagon - 40mm x 1"f
1070040015	Aquatherm Transition Piece with Female Thread	hexagon - 40mm x 1-1/4"f
1070050016	Aquatherm Transition Piece with Female Thread - brass	hexagon - 50mm x 1-1/4"f
1070050069	Aquatherm Transition Piece with Female Thread - stainless steel	hexagon - 50mm x 1-1/4"f
1070050017	Aquatherm Transition Piece with Female Thread - brass	hexagon - 50mm x 1-1/2"f
1070050070	Aquatherm Transition Piece with Female Thread - stainless steel	hexagon - 50mm x 1-1/2"f
1070063018	Aquatherm Transition Piece with Female Thread - brass	hexagon - 63mm x 1-1/2"f
1070063071	Aquatherm Transition Piece with Female Thread - stainless steel	hexagon - 63mm x 1-1/2"f
1070063019	Aquatherm Transition Piece with Female Thread - brass	hexagon - 63mm x 2"f
1070073072	Aquatherm Transition Piece with Female Thread - stainless steel	hexagon - 63mm x 2"f
1070075020	Aquatherm Transition Piece with Female Thread	hexagon - 75mm x 2"f
1070020022	Aquatherm Transition Piece with Male Thread - brass	round - 20mm x 1/2"m
1070020074	Aquatherm Transition Piece with Male Thread - stainless steel	round - 20mm x 1/2"m
1070020023	Aquatherm Transition Piece with Male Thread - brass	round - 20mm x 3/4"m
1070020075	Aquatherm Transition Piece with Male Thread - stainless steel	round - 20mm x 3/4"m

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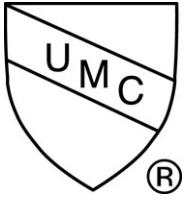
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Model Number	Description	Length
1070025024	Aquatherm Transition Piece with Male Thread - brass	round - 25mm x 1/2"m
1070025076	Aquatherm Transition Piece with Male Thread - stainless steel	round - 25mm x 1/2"m
1070025025	Aquatherm Transition Piece with Male Thread - brass	round - 25mm x 3/4"m
1070025077	Aquatherm Transition Piece with Male Thread - stainless steel	round - 25mm x 3/4"m
1070032026	Aquatherm Transition Piece with Male Thread - brass	round - 32mm x 3/4"m
1070032078	Aquatherm Transition Piece with Male Thread - stainless steel	round - 32mm x 3/4"m
1070020027	Aquatherm Transition Piece with Male Thread with Spinner Flat	hexagon - 20mm x 1/2"m
1070020028	Aquatherm Transition Piece with Male Thread with Spinner Flat	hexagon - 20mm x 3/4"m
1070025030	Aquatherm Transition Piece with Male Thread with Spinner Flat	hexagon - 25mm x 3/4"m
1070032031	Aquatherm Transition Piece with Male Thread with Spinner Flat	hexagon - 32mm x 1"m
1070032032	Aquatherm Transition Piece with Male Thread with Spinner Flat	hexagon - 32mm x 1-1/4"m
1070040033	Aquatherm Transition Piece with Male Thread with Spinner Flat	hexagon - 40mm x 1"m
1070040034	Aquatherm Transition Piece with Male Thread with Spinner Flat	hexagon - 40mm x 1-1/4"m
1070050035	Aquatherm Transition Piece with Male Thread with Spinner Flat	hexagon - 50mm x 1-1/4"m
1070050036	Aquatherm Transition Piece with Male Thread with Spinner Flat	hexagon - 50mm x 1-1/2"m
1070063037	Aquatherm Transition Piece with Male Thread with Spinner Flat	hexagon - 63mm x 1-1/2"m
1060063038	Aquatherm Transition Piece with Male Thread with Spinner Flat	hexagon - 63mm x 2"m
1070075039	Aquatherm Transition Piece with Male Thread with Spinner Flat	hexagon - 75mm x 2"m

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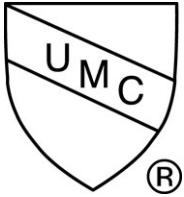
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Model Number	Description	Length
1070075040	Aquatherm Transition Piece with Male Thread with Spinner Flat	hexagon - 75mm x 2-1/2"m
1070090041	Aquatherm Transition Piece with Male Thread with Spinner Flat	hexagon - 90mm x 3"m
1070110042	Aquatherm Transition Piece with Male Thread with Spinner Flat	hexagon - 110mm x 4"m
1070020091	Aquatherm Transition Elbow - brass	20mm x 3/4"f
1070020110	Aquatherm Transition Elbow - stainless steel	20mm x 3/4"f
1070020092	Aquatherm Transition Elbow - brass	20mm x 1/2"f
1070020111	Aquatherm Transition Elbow - stainless steel	20mm x 1/2"f
1070025093	Aquatherm Transition Elbow - brass	25mm x 3/4"f
1070025112	Aquatherm Transition Elbow - stainless steel	25mm x 3/4"f
1070025094	Aquatherm Transition Elbow - brass	25mm x 1/2"f
1070025113	Aquatherm Transition Elbow - stainless steel	25mm x 1/2"f
1070032095	Aquatherm Transition Elbow - brass	32mm x 3/4"f
1070032115	Aquatherm Transition Elbow - stainless steel	32mm x 3/4"f
1070032096	Aquatherm Transition Elbow - brass	32mm x 1"f
1070032116	Aquatherm Transition Elbow - stainless steel	32mm x 1"f
1070020097	Aquatherm Transition Elbow	20mm external x 1/2"f
1070020099	Aquatherm Transition Elbow - brass	20mm x 1/2"m
1070020117	Aquatherm Transition Elbow - stainless steel	20mm x 1/2"m
1070020100	Aquatherm Transition Elbow - brass	20mm x 3/4"m
1070020118	Aquatherm Transition Elbow - stainless steel	20mm x 3/4"m
1070025101	Aquatherm Transition Elbow - brass	25mm x 3/4"m
1070025119	Aquatherm Transition Elbow - stainless steel	25mm x 3/4"m
1070032102	Aquatherm Transition Elbow - brass	32mm x 3/4"m
1070032120	Aquatherm Transition Elbow - stainless steel	32mm x 3/4"m
1070032103	Aquatherm Transition Elbow	32mm x 1"m
1060020141	Aquatherm Threaded Branch Tee with Female Thread - brass	20 x 1/2"f x 20mm

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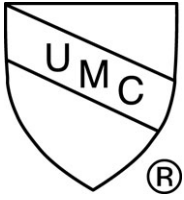
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Model Number	Description	Length
1060020160	Aquatherm Threaded Branch Tee with Female Thread - stainless steel	20 x 1/2"f x 20mm
1060020142	Aquatherm Threaded Branch Tee with Female Thread - brass	20 x 3/4"f x 20mm
1060020161	Aquatherm Threaded Branch Tee with Female Thread - stainless steel	20 x 3/4"f x 20mm
1060025143	Aquatherm Threaded Branch Tee with Female Thread - brass	25 x 1/2"f x 25mm
1060025162	Aquatherm Threaded Branch Tee with Female Thread - stainless steel	25 x 1/2"f x 25mm
1060025144	Aquatherm Threaded Branch Tee with Female Thread - brass	25 x 3/4"f x 25mm
1060025163	Aquatherm Threaded Branch Tee with Female Thread - stainless steel	25 x 3/4"f x 25mm
1060032146	Aquatherm Threaded Branch Tee with Female Thread - brass	32 x 3/4"f x 32mm
1060032165	Aquatherm Threaded Branch Tee with Female Thread - stainless steel	32 x 3/4"f x 32mm
1060032147	Aquatherm Threaded Branch Tee with Female Thread - brass	32 x 1"f x 32mm
1060032166	Aquatherm Threaded Branch Tee with Female Thread - stainless steel	32 x 1"f x 32mm
1060050151	Aquatherm Threaded Branch Tee with Female Thread	50 x 1"f x 50mm
1070020099	Aquatherm Transition Elbow with Male Thread - brass	20mm x 1/2"m
1070020117	Aquatherm Transition Elbow with Male Thread - stainless steel	20mm x 1/2"m
1070025101	Aquatherm Transition Elbow with Male Thread - brass	25mm x 3/4"m
1070025119	Aquatherm Transition Elbow with Male Thread - stainless steel	25mm x 3/4"m
1070032103	Aquatherm Transition Elbow with Male Thread	32mm x 1"m
1070020092	Aquatherm Transition Elbow with Female Thread - brass	20mm x 1/2"f

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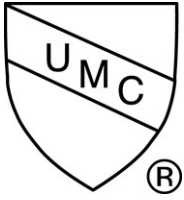
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Model Number	Description	Length
1070020111	Aquatherm Transition Elbow with Female Thread - stainless steel	20mm x 1/2"f
1070025093	Aquatherm Transition Elbow with Female Thread - brass	25mm x 3/4"f
1070025112	Aquatherm Transition Elbow with Female Thread - stainless steel	25mm x 3/4"f
1070032096	Aquatherm Transition Elbow with Female Thread - brass	32mm x 1"f
1070032116	Aquatherm Transition Elbow with Female Thread - stainless steel	32mm x 1"f
1030040100	Aquatherm Weld-In Saddle	hexagon - 40/25mm x 1/2"f
1030050106	Aquatherm Weld-In Saddle	hexagon - 50/25mm x 1/2"f
1030063112	Aquatherm Weld-In Saddle	hexagon - 63/25mm x 1/2"f
1030075118	Aquatherm Weld-In Saddle	hexagon - 75/25mm x 1/2"f
1030090126	Aquatherm Weld-In Saddle	hexagon - 90/25mm x 1/2"f
1030110134	Aquatherm Weld-In Saddle	hexagon - 110/25mm x 1/2"f
1030125142	Aquatherm Weld-In Saddle	hexagon - 125/25mm x 1/2"f
1030160150	Aquatherm Weld-In Saddle	hexagon - 160/25mm x 1/2"f
1030250158	Aquatherm Weld-In Saddle	hex. - 200-250/25mm x 1/2"f
1030040101	Aquatherm Weld-In Saddle	hexagon - 40/25mm x 3/4"f
1030050107	Aquatherm Weld-In Saddle	hexagon - 50/25mm x 3/4"f
1030063113	Aquatherm Weld-In Saddle	hexagon - 63/25mm x 3/4"f
1030075119	Aquatherm Weld-In Saddle	hexagon - 75/25mm x 3/4"f
1030090127	Aquatherm Weld-In Saddle	hexagon - 90/25mm x 3/4"f
1030110135	Aquatherm Weld-In Saddle	hexagon - 110/25mm x 3/4"f
1030125143	Aquatherm Weld-In Saddle	hexagon - 125/25mm x 3/4"f
1030160151	Aquatherm Weld-In Saddle	hexagon - 160/25mm x 3/4"f
1030250159	Aquatherm Weld-In Saddle	hex. - 200-250/25mm x 3/4"f
1030075120	Aquatherm Weld-In Saddle	hexagon - 75/32mm x 1"f
1030090128	Aquatherm Weld-In Saddle	hexagon - 90/32mm x 1"f
1030110136	Aquatherm Weld-In Saddle	hexagon - 110/32mm x 1"f

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Model Number	Description	Length
1030125144	Aquatherm Weld-In Saddle	hexagon - 125/32mm x 1"f
1030160152	Aquatherm Weld-In Saddle	hexagon - 160/32mm x 1"f
1030250160	Aquatherm Weld-In Saddle	hexagon - 200-250/32mm x 1"f
1030040102	Aquatherm Weld-In Saddle	40/25 mm x 1/2" m
1030050108	Aquatherm Weld-In Saddle	50/25 mm x 1/2" m
1030063114	Aquatherm Weld-In Saddle	63/25 mm x 1/2" m
1030075121	Aquatherm Weld-In Saddle	75/25 mm x 1/2" m
1030090129	Aquatherm Weld-In Saddle	90/25 mm x 1/2" m
1030110137	Aquatherm Weld-In Saddle	110/25 mm x 1/2" m
1030125145	Aquatherm Weld-In Saddle	125/25 mm x 1/2" m
1030160153	Aquatherm Weld-In Saddle	160/25 mm x 1/2" m
1090020052	Aquatherm PP-Ball Valve	fusion connection - 20mm
1090025053	Aquatherm PP-Ball Valve	fusion connection - 25mm
1090032054	Aquatherm PP-Ball Valve	fusion connection - 32mm
1090040055	Aquatherm PP-Ball Valve	fusion connection - 40mm
1090050056	Aquatherm PP-Ball Valve	fusion connection - 50mm
1090063057	Aquatherm PP-Ball Valve	fusion connection - 63mm
1090075052	Aquatherm PP-Ball Valve	flange connection - 75mm
9790041802	Aquatherm PP-Ball Valve	flange connection - 90mm
9790041804	Aquatherm PP-Ball Valve	flange connection - 110mm
9790041804	Aquatherm PP-Ball Valve	flange connection - 125mm