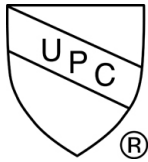


IAPMO RESEARCH AND TESTING, INC.

5001 E. Philadelphia Street, Ontario, CA 91761 • Phone (909) 472-4100 • Fax (909) 472-4244 • www.iapmort.org



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:

PESTAN NORTH AMERICA

4915 VOLTAIRE ST. SAN DIEGO, CA 92107 , United States

Product:

Pressure Rated Polypropylene Piping Systems

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

Uniform Plumbing Code (UPC®)
Uniform Mechanical Code (UMC®)

Products are certified to the following standard(s)

ASTM F2389
NSF/ANSI 14-2015

File Number: 8358

Revised Date: June 15, 2023

Effective Date: July 2019

Void After: July 2024*


Chairman, Product Certification Committee



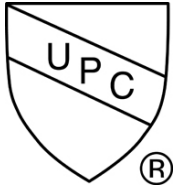

Chief Technical Service Officer

*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.

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

Void After: July 2024

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

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 UPC® certification mark.

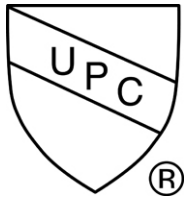
Characteristics:

Pressure rated polypropylene pipe and fittings manufactured in accordance with ASTM F2389. To be installed per the manufacturer's instructions and the latest edition of the Uniform Plumbing Code.

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.

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

Void After: July 2024

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

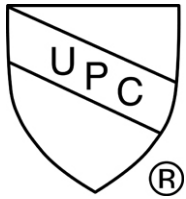
Models

MECHANICAL PIPE

Model Number	Description	Dimension
18002150	MECHANICAL PIPE	½" -- 20 mm (SDR 7.4 w/ fiber)
18002151	MECHANICAL PIPE	¾" -- 25 mm (SDR 7.4 w/ fiber)
18002152	MECHANICAL PIPE	2 1/2" - PP-RCT, SDR 9 with Fiber, 19-ft. straight length
18002153	MECHANICAL PIPE	3" - PP-RCT, SDR 9 with Fiber, 19-ft. straight length
18002154	MECHANICAL PIPE	4" - PP-RCT, SDR 9 with Fiber, 19-ft. straight length
18002156	MECHANICAL PIPE	3" - PP-RCT M, SDR 11 with Fiber, 19-ft. straight length
18002157	MECHANICAL PIPE	2 1/2" - PP-RCT, SDR 11 with Fiber, 19-ft. straight length
18002160	MECHANICAL PIPE	4" - 125 mm 19ft (SDR 17.6 w/ fiber)
18002161	MECHANICAL PIPE	6" - 160 mm 19ft (SDR 17.6 w/ fiber)
18002162	MECHANICAL PIPE	8" - 200 mm 19ft (SDR 17.6 w/ fiber)
18002163	MECHANICAL PIPE	10" - 250 mm 19ft (SDR 17.6 w/ fiber)
18002164	MECHANICAL PIPE	12" - 315 mm 19ft (SDR 17.6 w/ fiber)
18002170	MECHANICAL PIPE	1" -- 32 mm (SDR 9 w/ fiber)
18002171	MECHANICAL PIPE	1¼" -- 40 mm (SDR 9 w/ fiber)
18002172	MECHANICAL PIPE	1½" -- 50 mm (SDR 9 w/ fiber)
18002173	MECHANICAL PIPE	2" -- 63 mm (SDR 9 w/ fiber)
18002174	MECHANICAL PIPE	2½" -- 75 mm (SDR 9 w/ fiber)
18002175	MECHANICAL PIPE	3" -- 90 mm (SDR 9 w/ fiber)
18002177	MECHANICAL PIPE	4" -- 125 mm (SDR 9 w/ fiber)
18002180	MECHANICAL PIPE	6" - 160 mm (SDR 9 w/ fiber)
18002181	MECHANICAL PIPE	8" - 200 mm 19ft (SDR 9 w/ fiber)
18002182	MECHANICAL PIPE	6" - 160 mm 19ft (SDR 9 w/ fiber)
18002183	MECHANICAL PIPE	10" - 250 mm 19ft (SDR 9 w/ fiber)
18002184	MECHANICAL PIPE	12" - 315 mm 19ft (SDR 9 w/ fiber)
18002185	MECHANICAL PIPE	10" - 250 mm 19ft (SDR 11 w/ fiber)
18002186	MECHANICAL PIPE	12" - 315 mm 19ft (SDR 11 w/ fiber)

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

Void After: July 2024

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

Model Number	Description	Dimension
18002190	MECHANICAL PIPE	1" - 32 mm (SDR 11 w/ fiber)
18002191	MECHANICAL PIPE	1¼" - 40 mm (SDR 11 w/ fiber)
18002192	MECHANICAL PIPE	1½" - 50 mm (SDR 11 w/ fiber)
18002193	MECHANICAL PIPE	2" - 63 mm (SDR 11 w/ fiber)
18002194	MECHANICAL PIPE	2½" - 75 mm (SDR 11 w/ fiber)
18002195	MECHANICAL PIPE	3" - 90 mm (SDR 11 w/ fiber)
18002197	MECHANICAL PIPE	4" - 125 mm (SDR 11 w/ fiber)
18002198	MECHANICAL PIPE	6" - 160 mm (SDR 11 w/ fiber)
18002199	MECHANICAL PIPE	8" - 200 mm 19ft (SDR 11 w/ fiber)
18002200	MECHANICAL PIPE	6" - 160 mm 19ft (SDR 11 w/ fiber)

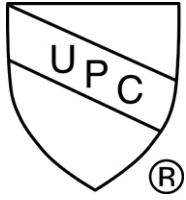
HOT POTABLE WATER PIPE

Model Number	Description	Dimension
18002300	HOT POTABLE WATER PIPE	½" -- 20 mm (SDR 7.4 w/ fiber)
18002301	HOT POTABLE WATER PIPE	¾" -- 25 mm (SDR 7.4 w/ fiber)
18002302	HOT POTABLE WATER PIPE	1" -- 32 mm (SDR 9 w/ fiber)
18002303	HOT POTABLE WATER PIPE	1¼" -- 40 mm (SDR 9 w/ fiber)
18002304	HOT POTABLE WATER PIPE	1½" -- 50 mm (SDR 9 w/ fiber)
18002305	HOT POTABLE WATER PIPE	2" -- 63 mm (SDR 9 w/ fiber)
18002306	HOT POTABLE WATER PIPE	2½" -- 75 mm 19ft (SDR 9 w/ fiber)
18002307	HOT POTABLE WATER PIPE	3" -- 90 mm 19ft (SDR 9 w/ fiber)
18002308	HOT POTABLE WATER PIPE	4" -- 125 mm 19ft (SDR 9 w/ fiber)
18002309	HOT POTABLE WATER PIPE	6" - 160 mm 19ft (SDR 9 w/ fiber)
18002310	HOT POTABLE WATER PIPE	8" - 200 mm 19ft (SDR 9 w/ fiber)
18002311	HOT POTABLE WATER PIPE	10" - 250 mm 19ft (SDR 9 w/ fiber)
18002312	HOT POTABLE WATER PIPE	12" - 315 mm 19ft (SDR 9 w/ fiber)

COLD POTABLE WATER PIPE

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

Void After: July 2024

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

Model Number	Description	Dimension
18002400	COLD POTABLE WATER PIPE	½" -- 20 mm (SDR 7.4)
18002401	COLD POTABLE WATER PIPE	¾" -- 25 mm (SDR 7.4)
18002402	COLD POTABLE WATER PIPE	1" - 32 mm (SDR 11)
18002403	COLD POTABLE WATER PIPE	1¼" - 40 mm (SDR 11)
18002404	COLD POTABLE WATER PIPE	1½" - 50 mm (SDR 11)
18002405	COLD POTABLE WATER PIPE	2" - 63 mm (SDR 11)
18002406	COLD POTABLE WATER PIPE	2½" - 75 mm 19ft (SDR 11)
18002407	COLD POTABLE WATER PIPE	3" - 90 mm 19ft (SDR 11)
18002408	COLD POTABLE WATER PIPE	4" - 125 mm 19ft (SDR 11)
18002409	COLD POTABLE WATER PIPE	6" - 160 mm 19ft (SDR 11)
18002410	COLD POTABLE WATER PIPE	8" - 200 mm 19ft (SDR 11)
18002411	COLD POTABLE WATER PIPE	10" - 250 mm 19ft (SDR 11)
18002412	COLD POTABLE WATER PIPE	12" - 315 mm 19ft (SDR 11)

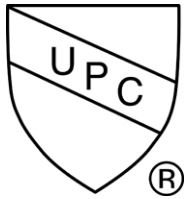
PURPLE PIPE

Note: The following models shall be marked UPC®/UMC®

Model Number	Description	Dimension
18002202	PURPLE PIPE (PPR)	½" -- 20 mm (SDR 7.4)
18002201	PURPLE PIPE (PPR)	¾" -- 25 mm (SDR 7.4)
18002250	PURPLE PIPE (PPR)	1" -- 32 mm (SDR 11)
18002251	PURPLE PIPE (PPR)	1¼" - - 40 mm (SDR 11)
18002252	PURPLE PIPE (PPR)	1½" -- 50 mm (SDR 11)
18002253	PURPLE PIPE (PPR)	2" -- 63 mm (SDR 11)
18002254	PURPLE PIPE (PPR)	2½" -- 75 mm 19ft (SDR 11)
18002255	PURPLE PIPE (PPR)	3" -- 90 mm 19ft (SDR 11)
18002257	PURPLE PIPE (PPR)	4" -- 125 mm 19ft (SDR 11)
18002260	PURPLE PIPE (PPR)	6" -- 160 mm 19ft (SDR 11)
18002261	PURPLE PIPE (PPR)	8" - 200 mm 19ft (SDR 11)
18002262	PURPLE PIPE (PPR)	10" - 250 mm 19ft (SDR 11)

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

File Number: 8358

Product: Pressure Rated Polypropylene Piping Systems

Effective Date: July 2019

Revised Date: June 15, 2023

Void After: July 2024

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

FITTINGS

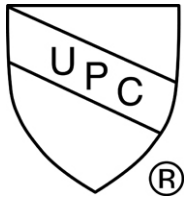
Model Number	Description	Dimension
18000001	COUPLING	½"-20 mm
18000002	COUPLING	¾" -25 mm
18000003	COUPLING	1"-32 mm
18000004	COUPLING	1¼"-40 mm
18000005	COUPLING	1½"-50 mm
18000006	COUPLING	2"-63 mm
18000007	COUPLING	2½"-75 mm
18000008	COUPLING	3"-90 mm
18000010	COUPLING	4" - 125 mm

Model Number	Description	Dimension
18002651	REDUCING COUPLING	PP-RCT, 4" x 2 1/2", SDR 11
18002652	REDUCING COUPLING	PP-RCT, 4" x 2 1/2", SDR 17.6
18002653	REDUCING COUPLING	PP-RCT, 4" x 3", SDR 11
18002654	REDUCING COUPLING	PP-RCT, 4" x 3", SDR 17.6
18000028	REDUCING COUPLING	PP-RCT, 1 1/4" x 1/2"
18000029	REDUCING COUPLING	PP-RCT, 1 1/4" x 3/4"
18000036	REDUCING COUPLING	PP-RCT, 1 1/2" x 1/2"

Model Number	Description	Dimension
18000030	BUSHING / REDUCER	¾" to ½"-25 to 20 mm
18000031	BUSHING / REDUCER	1" to ½"-32 to 20 mm
18000032	BUSHING / REDUCER	1" to ¾"-32 to 25 mm
18000033	BUSHING / REDUCER	1¼" to ½"-40 to 20 mm
18000034	BUSHING / REDUCER	1¼" to ¾"-40 to 25 mm
18000035	BUSHING / REDUCER	1¼" to 1"-40 to 32 mm

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

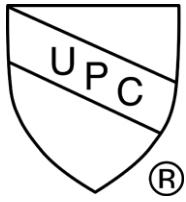
Void After: July 2024

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

Model Number	Description	Dimension
18000037	BUSHING / REDUCER	1½" to ¾"-50 to 25 mm
18000038	BUSHING / REDUCER	1½" to 1"-50 to 32 mm
18000039	BUSHING / REDUCER	1½" to 1¼"-50 to 40 mm
18000041	BUSHING / REDUCER	2" to ¾"-63 to 25 mm
18000042	BUSHING / REDUCER	2" to 1"-63 to 32 mm
18000043	BUSHING / REDUCER	2" to 1¼"-63 to 40 mm
18000044	BUSHING / REDUCER	2" to 1½"-63 to 50 mm
18000045	BUSHING / REDUCER	2½" to 1¼"-75 to 40 mm
18000046	BUSHING / REDUCER	2½" to 1½"-75 to 50 mm
18000047	BUSHING / REDUCER	2½" to 2"-75 to 63 mm
18000048	BUSHING / REDUCER	2½" to ½"-75 to 20 mm
18000049	BUSHING / REDUCER	2½" to ¾"-75 to 25 mm
18000050	BUSHING / REDUCER	2½" to 1"-75 to 32 mm
18000051	BUSHING / REDUCER	3" to 1½"-90 to 50 mm
18000052	BUSHING / REDUCER	3" to 2"-90 to 63 mm
18000053	BUSHING / REDUCER	3" to 2½"-90 to 75 mm
18000056	BUSHING / REDUCER	4" to 2½"-125 to 75 mm
18000057	BUSHING / REDUCER	4" to 3"-125 to 90 mm
18000058	BUSHING / REDUCER	6" to 4"-160 to 125 mm SDR9 (Butt to Socket Fusion)
18000059	BUSHING / REDUCER	6" to 4"-160 to 125 mm SDR11 (Butt to Socket Fusion)
18000054	BUSHING / REDUCER	6" to 4"-160 to 125 mm SDR17.6 (Butt to Socket Fusion)
18000060	BUSHING / REDUCER	8" to 4" – 200mm to 125mm SDR9 (Butt to Socket Fusion)
18000061	BUSHING / REDUCER	8" to 4" – 200mm to 125mm SDR11 (Butt to Socket Fusion)
18000065	BUSHING / REDUCER	8" to 4" – 200mm to 125mm SDR17.6 (Butt to Socket Fusion)
18000062	BUSHING / REDUCER	8" to 6" – 200mm to 160mm SDR9
18000063	BUSHING / REDUCER	8" to 6" – 200mm to 160mm SDR11
18000064	BUSHING / REDUCER	8" to 6" – 200mm to 160mm SDR17.6
18000087	BUSHING / REDUCER	10" to 6" – 250mm to 160mm SDR9
18000066	BUSHING / REDUCER	10" to 6" – 250mm to 160mm SDR11

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

Void After: July 2024

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

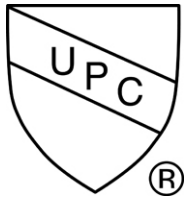
Model Number	Description	Dimension
18000067	BUSHING / REDUCER	10" to 6" – 250mm to 160mm SDR17.6
18000068	BUSHING / REDUCER	10" to 8" – 250mm to 200mm SDR9
18000069	BUSHING / REDUCER	10" to 8" – 250mm to 200mm SDR11
18000080	BUSHING / REDUCER	10" to 8" – 250mm to 200mm SDR17.6
18000081	BUSHING / REDUCER	12" to 8" – 315mm to 200mm SDR9
18000082	BUSHING / REDUCER	12" to 8" – 315mm to 200mm SDR11
18000083	BUSHING / REDUCER	12" to 8" – 315mm to 200mm SDR17.6
18000084	BUSHING / REDUCER	12" to 10" – 315mm to 250mm SDR9
18000085	BUSHING / REDUCER	12" to 10" – 315mm to 250mm SDR11
18000086	BUSHING / REDUCER	12" to 10" – 315mm to 250mm SDR17.6

Model Number	Description	Dimension
18000070	ELBOW 90°	½"-20 mm
18000071	ELBOW 90°	¾" -25 mm
18000072	ELBOW 90°	1"-32 mm
18000073	ELBOW 90°	1¼"-40 mm
18000074	ELBOW 90°	1½"-50 mm
18000075	ELBOW 90°	2"-63 mm
18000076	ELBOW 90°	2½"-75 mm
18000077	ELBOW 90°	3"-90 mm
18000079	ELBOW 90°	4"-125 mm

Model Number	Description	Dimension
18000116	ELBOW 90°	6"-160 mm (POTABLE COLD SDR11)
18000114	ELBOW 90°	6"-160 mm (POTABLE HOT SDR9)
18000110	ELBOW 90°	6"-160 mm (MECHANICAL SDR9)
18000112	ELBOW 90°	6"-160 mm (MECHANICAL SDR11)
18000078	ELBOW 90°	6"-160 mm (MECHANICAL SDR17.6)
18000117	ELBOW 90°	8"-200 mm (POTABLE COLD SDR11)

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

Void After: July 2024

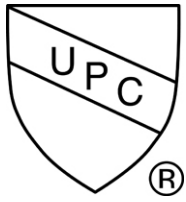
This certificate is not evidence of current listing. To verify listing status, visit the IAPMO R&T Product Listing Directory at pld.iapmo.org

Model Number	Description	Dimension
18000115	ELBOW 90°	8"-200 mm (POTABLE HOT SDR9)
18000111	ELBOW 90°	8"-200 mm (MECHANICAL SDR9)
18000113	ELBOW 90°	8"-200 mm (MECHANICAL SDR11)
18000118	ELBOW 90°	8"-200 mm (MECHANICAL SDR17.6)
18000108	ELBOW 90°	10"-250 mm (POTABLE COLD SDR11)
18000109	ELBOW 90°	10"-250 mm (POTABLE HOT SDR9)
18000105	ELBOW 90°	10"-250 mm (MECHANICAL SDR9)
18000106	ELBOW 90°	10"-250 mm (MECHANICAL SDR11)
18000107	ELBOW 90°	10"-250 mm (MECHANICAL SDR17.6)
18000090	ELBOW 90°	12"-315 mm (POTABLE COLD SDR11)
18000091	ELBOW 90°	12"-315 mm (POTABLE HOT SDR9)
18000088	ELBOW 90°	12"-315 mm (MECHANICAL SDR9)
18000119	ELBOW 90°	12"-315 mm (MECHANICAL SDR11)
18000089	ELBOW 90°	12"-315 mm (MECHANICAL SDR17.6)

Model Number	Description	Dimension
18000126	ELBOW 90° (SHORT RADIUS)	6"-160 mm (POTABLE COLD SDR11)
18000124	ELBOW 90° (SHORT RADIUS)	6"-160 mm (POTABLE HOT SDR9)
18000120	ELBOW 90° (SHORT RADIUS)	6"-160 mm (MECHANICAL SDR9)
18000122	ELBOW 90° (SHORT RADIUS)	6"-160 mm (MECHANICAL SDR11)
18002450	ELBOW 90° (SHORT RADIUS)	6"-160 mm (MECHANICAL SDR17.6)
18000127	ELBOW 90° (SHORT RADIUS)	8"-200 mm (POTABLE COLD SDR11)
18000125	ELBOW 90° (SHORT RADIUS)	8"-200 mm (POTABLE HOT SDR9)
18000121	ELBOW 90° (SHORT RADIUS)	8"-200 mm (MECHANICAL SDR9)
18000123	ELBOW 90° (SHORT RADIUS)	8"-200 mm (MECHANICAL SDR11)
18000128	ELBOW 90° (SHORT RADIUS)	8"-200 mm (MECHANICAL SDR17.6)
18000129	ELBOW 90° (SHORT RADIUS)	10"-250 mm (POTABLE COLD SDR11)
18000140	ELBOW 90° (SHORT RADIUS)	10"-250 mm (POTABLE HOT SDR9)
18000141	ELBOW 90° (SHORT RADIUS)	10"-250 mm (MECHANICAL SDR9)

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

Void After: July 2024

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

Model Number	Description	Dimension
18000142	ELBOW 90° (SHORT RADIUS)	10"-250 mm (MECHANICAL SDR11)
18000143	ELBOW 90° (SHORT RADIUS)	10"-250 mm (MECHANICAL SDR17.6)
18000144	ELBOW 90° (SHORT RADIUS)	12"-315 mm (POTABLE COLD SDR11)
18000145	ELBOW 90° (SHORT RADIUS)	12"-315 mm (POTABLE HOT SDR9)
18000146	ELBOW 90° (SHORT RADIUS)	12"-315 mm (MECHANICAL SDR9)
18000147	ELBOW 90° (SHORT RADIUS)	12"-315 mm (MECHANICAL SDR11)
18000148	ELBOW 90° (SHORT RADIUS)	12"-315 mm (MECHANICAL SDR17.6)

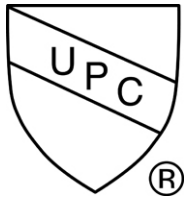
Model Number	Description	Dimension
18000100	STREET 90° (female/male)	½" - 20 mm
18000101	STREET 90° (female/male)	¾" -25 mm
18000102	STREET 90° (female/male)	1"-32 mm

Model Number	Description	Dimension
18000150	STREET 45° (female/male)	½" - 20 mm
18000151	STREET 45° (female/male)	¾" -25 mm
18000152	STREET 45° (female/male)	1"-32 mm

Model Number	Description	Dimension
18000130	ELBOW 45°	½"-20 mm
18000131	ELBOW 45°	¾" -25 mm
18000132	ELBOW 45°	1"-32 mm
18000133	ELBOW 45°	1¼"-40 mm
18000134	ELBOW 45°	1½"-50 mm
18000135	ELBOW 45°	2"-63 mm
18000136	ELBOW 45°	2½"-75 mm
18000137	ELBOW 45°	3"-90 mm
18000139	ELBOW 45°	4"-125 mm

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

Void After: July 2024

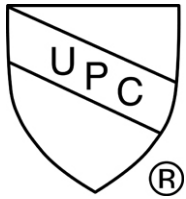
This certificate is not evidence of current listing. To verify listing status, visit the IAPMO R&T Product Listing Directory at pld.iapmo.org

Model Number	Description	Dimension
18000166	ELBOW 45°	6"-160 mm (POTABLE COLD SDR11)
18000164	ELBOW 45°	6"-160 mm (POTABLE HOT SDR9)
18000160	ELBOW 45°	6"-160 mm (MECHANICAL SDR9)
18000162	ELBOW 45°	6"-160 mm (MECHANICAL SDR11)
18002460	ELBOW 45°	6"-160 mm (MECHANICAL SDR17.6)
18000167	ELBOW 45°	8"-200 mm (POTABLE COLD SDR11)
18000165	ELBOW 45°	8"-200 mm (POTABLE HOT SDR9)
18000161	ELBOW 45°	8"-200 mm (MECHANICAL SDR9)
18000163	ELBOW 45°	8"-200 mm (MECHANICAL SDR11)
18000168	ELBOW 45°	8"-200 mm (MECHANICAL SDR17.6)
18000180	ELBOW 45°	10"-250 mm (POTABLE COLD SDR11)
18000181	ELBOW 45°	10"-250 mm (POTABLE HOT SDR9)
18000182	ELBOW 45°	10"-250 mm (MECHANICAL SDR9)
18000183	ELBOW 45°	10"-250 mm (MECHANICAL SDR11)
18000184	ELBOW 45°	10"-250 mm (MECHANICAL SDR17.6)
18000185	ELBOW 45°	12"-315 mm (POTABLE COLD SDR11)
18000186	ELBOW 45°	12"-315 mm (POTABLE HOT SDR9)
18000187	ELBOW 45°	12"-315 mm (MECHANICAL SDR9)
18000188	ELBOW 45°	12"-315 mm (MECHANICAL SDR11)
18000189	ELBOW 45°	12"-315 mm (MECHANICAL SDR17.6)

Model Number	Description	Dimension
18000196	ELBOW 45° (SHORT RADIUS)	6"-160 mm (POTABLE COLD SDR11)
18000194	ELBOW 45° (SHORT RADIUS)	6"-160 mm (POTABLE HOT SDR9)
18000190	ELBOW 45° (SHORT RADIUS)	6"-160 mm (MECHANICAL SDR9)
18000192	ELBOW 45° (SHORT RADIUS)	6"-160 mm (MECHANICAL SDR11)
18002470	ELBOW 45° (SHORT RADIUS)	6"-160 mm (MECHANICAL SDR17.6)
18000197	ELBOW 45° (SHORT RADIUS)	8"-200 mm (POTABLE COLD SDR11)
18000195	ELBOW 45° (SHORT RADIUS)	8"-200 mm (POTABLE HOT SDR9)

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

Void After: July 2024

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

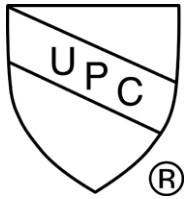
Model Number	Description	Dimension
18000191	ELBOW 45° (SHORT RADIUS)	8"-200 mm (MECHANICAL SDR9)
18000193	ELBOW 45° (SHORT RADIUS)	8"-200 mm (MECHANICAL SDR11)
18000198	ELBOW 45° (SHORT RADIUS)	8"-200 mm (MECHANICAL SDR17.6)
18000235	ELBOW 45° (SHORT RADIUS)	10"-250 mm (POTABLE COLD SDR11)
18000236	ELBOW 45° (SHORT RADIUS)	10"-250 mm (POTABLE HOT SDR9)
18000237	ELBOW 45° (SHORT RADIUS)	10"-250 mm (MECHANICAL SDR9)
18000238	ELBOW 45° (SHORT RADIUS)	10"-250 mm (MECHANICAL SDR11)
18000239	ELBOW 45° (SHORT RADIUS)	10"-250 mm (MECHANICAL SDR17.6)
18000244	ELBOW 45° (SHORT RADIUS)	12"-315 mm (POTABLE COLD SDR11)
18000245	ELBOW 45° (SHORT RADIUS)	12"-315 mm (POTABLE HOT SDR9)
18000246	ELBOW 45° (SHORT RADIUS)	12"-315 mm (MECHANICAL SDR9)
18000247	ELBOW 45° (SHORT RADIUS)	12"-315 mm (MECHANICAL SDR11)
18000248	ELBOW 45° (SHORT RADIUS)	12"-315 mm (MECHANICAL SDR17.6)

Model Number	Description	Dimension
18000170	TEE	½"-20 mm
18000171	TEE	¾" -25 mm
18000172	TEE	1"-32 mm
18000173	TEE	1¼"-40 mm
18000174	TEE	1½"-50 mm
18000175	TEE	2"-63 mm
18000176	TEE	2½"-75 mm
18000177	TEE	3"-90 mm
18000179	TEE	4"-125 mm

Model Number	Description	Dimension
18001206	TEE	6"-160 mm (POTABLE COLD SDR11)
18001204	TEE	6"-160 mm (POTABLE HOT SDR9)
18001200	TEE	6"-160 mm (MECHANICAL SDR9)

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

Void After: July 2024

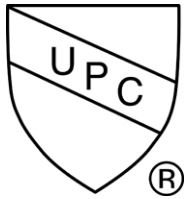
This certificate is not evidence of current listing. To verify listing status, visit the IAPMO R&T Product Listing Directory at pld.iapmo.org

Model Number	Description	Dimension
18001202	TEE	6"-160 mm (MECHANICAL SDR11)
18002480	TEE	6"-160 mm (MECHANICAL SDR17.6)
18001207	TEE	8"-200 mm (POTABLE COLD SDR11)
18001205	TEE	8"-200 mm (POTABLE HOT SDR9)
18001201	TEE	8"-200 mm (MECHANICAL SDR9)
18001203	TEE	8"-200 mm (MECHANICAL SDR11)
18001208	TEE	8"-200 mm (MECHANICAL SDR17.6)
18001218	TEE	10"-250 mm (POTABLE COLD SDR11)
18001209	TEE	10"-250 mm (POTABLE HOT SDR9)
18001210	TEE	10"-250 mm (MECHANICAL SDR9)
18001211	TEE	10"-250 mm (MECHANICAL SDR11)
18001212	TEE	10"-250 mm (MECHANICAL SDR17.6)
18001213	TEE	12"-315 mm (POTABLE COLD SDR11)
18001214	TEE	12"-315 mm (POTABLE HOT SDR9)
18001215	TEE	12"-315 mm (MECHANICAL SDR9)
18001216	TEE	12"-315 mm (MECHANICAL SDR11)
18001217	TEE	12"-315 mm (MECHANICAL SDR17.6)

Model Number	Description	Dimension
18000200	REDUCING TEE	½" x ½" x ¾" - 20 x 20 x 25 mm
18000202	REDUCING TEE	¾" x ¾" x ½" - 25 x 25 x 20 mm
18000203	REDUCING TEE	1" x ½" x ½" -- 32 x 20 x 20 mm
18000204	REDUCING TEE	1" x 1" x ½"-32 x 32 x 20 mm
18000205	REDUCING TEE	1" x ¾" x ¾" - 32 x 25 x 25 mm
18000206	REDUCING TEE	1" x 1" x ¾"-32 x 32 x 25 mm
18000207	REDUCING TEE	1¼" x 1¼" x ½"-40 x 40 x 20 mm
18000208	REDUCING TEE	1¼" x 1¼" x ¾"-40 x 40 x 25 mm
18000209	REDUCING TEE	1¼" x 1¼" x 1"-40 x 40 x 32 mm
18000211	REDUCING TEE	1½" x 1½" x ¾"-50 x 50 x 25 mm

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

Void After: July 2024

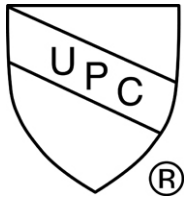
This certificate is not evidence of current listing. To verify listing status, visit the IAPMO R&T Product Listing Directory at pld.iapmo.org

Model Number	Description	Dimension
18000212	REDUCING TEE	1½" x 1½" x 1"-50 x 50 x 32 mm
18000213	REDUCING TEE	1½" x 1½" x 1¼"-50 x 50 x 40 mm
18000215	REDUCING TEE	2" x 2" x ¾"- 63 x 63 x 25 mm
18000216	REDUCING TEE	2" x 2" x 1"-63 x 63 x 32 mm
18000217	REDUCING TEE	2" x 2" x 1¼"-63 x 63 x 40 mm
18000218	REDUCING TEE	2" x 2" x 1½"-63 x 63 x 50 mm
18000220	REDUCING TEE	2½" x 2½" x ¾"-75 x 75 x 25mm
18000221	REDUCING TEE	2½" x 2½" x 1"-75 x 75 x 32 mm
18000222	REDUCING TEE	2½" x 2½" x 1¼"-75 x 75 x 40 mm
18000223	REDUCING TEE	2½" x 2½" x 1½"-75 x 75 x 50 mm
18000224	REDUCING TEE	2½" x 2½" x 2"-75 x 75 x 63 mm
18000225	REDUCING TEE	3" x 3" x 1"-90 x 90 x 32 mm
18000226	REDUCING TEE	3" x 3" x 1¼" -90 x 90 x 40 mm
18000227	REDUCING TEE	3" x 3" x 1½"- 90 x 90 x 50 mm
18000228	REDUCING TEE	3" x 3" x 2"-90 x 90 x 63 mm
18000229	REDUCING TEE	3" x 3" x 2½"-90 x 90 x 75 mm
18000233	REDUCING TEE	4" x 4" x 2½"-125 x 125 x 75 mm
18000234	REDUCING TEE	4" x 4" x 3"-125 x 125 x 90 mm

Model Number	Description	Dimension
18000476	REDUCING TEE	6" x 6" x 2½"-160 x 160 x 75 mm (POTABLE COLD SDR11)
18000474	REDUCING TEE	6" x 6" x 2½"-160 x 160 x 75 mm (POTABLE HOT SDR9)
18000470	REDUCING TEE	6" x 6" x 2½"-160 x 160 x 75 mm (MECHANICAL SDR9)
18000472	REDUCING TEE	6" x 6" x 2½"-160 x 160 x 75 mm (MECHANICAL SDR11)
18002490	REDUCING TEE	6" x 6" x 2½"-160 x 160 x 75 mm (MECHANICAL SDR17.6)
18000477	REDUCING TEE	6" x 6" x 3"-160 x 160 x 90 mm (POTABLE COLD SDR11)
18000475	REDUCING TEE	6" x 6" x 3"-160 x 160 x 90 mm (POTABLE HOT SDR9)
18000471	REDUCING TEE	6" x 6" x 3"-160 x 160 x 90 mm (MECHANICAL SDR9)
18000473	REDUCING TEE	6" x 6" x 3"-160 x 160 x 90 mm (MECHANICAL SDR11)

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

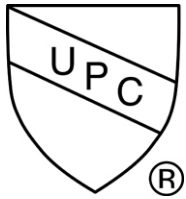
Void After: July 2024

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

Model Number	Description	Dimension
18002491	REDUCING TEE	6" x 6" x 3"-160 x 160 x 90 mm (MECHANICAL SDR17.6)
18000482	REDUCING TEE	8" x 8" x 2½"-200 x 200 x 75 mm (POTABLE COLD SDR11)
18000481	REDUCING TEE	8" x 8" x 2½"-200 x 200 x 75 mm (POTABLE HOT SDR9)
18000478	REDUCING TEE	8" x 8" x 2½"-200 x 200 x 75 mm (MECHANICAL SDR9)
18000479	REDUCING TEE	8" x 8" x 2½"-200 x 200 x 75 mm (MECHANICAL SDR11)
18000480	REDUCING TEE	8" x 8" x 2½"-200 x 200 x 75 mm (MECHANICAL SDR17.6)
18000487	REDUCING TEE	8" x 8" x 3" – 200 x 200 x 90 mm (POTABLE COLD SDR11)
18000486	REDUCING TEE	8" x 8" x 3" – 200 x 200 x 90 mm (POTABLE HOT SDR9)
18000483	REDUCING TEE	8" x 8" x 3" – 200 x 200 x 90 mm (MECHANICAL SDR9)
18000484	REDUCING TEE	8" x 8" x 3" – 200 x 200 x 90 mm (MECHANICAL SDR11)
18000485	REDUCING TEE	8" x 8" x 3" – 200 x 200 x 90 mm (MECHANICAL SDR17.6)
18000492	REDUCING TEE	8" x 8" x 4" – 200 x 200 x 125 mm (POTABLE COLD SDR11)
18000491	REDUCING TEE	8" x 8" x 4" – 200 x 200 x 125 mm (POTABLE HOT SDR9)
18000488	REDUCING TEE	8" x 8" x 4" – 200 x 200 x 125 mm (MECHANICAL SDR9)
18000489	REDUCING TEE	8" x 8" x 4" – 200 x 200 x 125 mm (MECHANICAL SDR11)
18000490	REDUCING TEE	8" x 8" x 4" – 200 x 200 x 125 mm (MECHANICAL SDR17.6)
18000493	REDUCING TEE	10" x 10" x 2½"-250 x 250 x 75 mm (POTABLE COLD SDR11)
18000494	REDUCING TEE	10" x 10" x 2½"-250 x 250 x 75 mm (POTABLE HOT SDR9)
18000495	REDUCING TEE	10" x 10" x 2½"-250 x 250 x 75 mm (MECHANICAL SDR9)
18000496	REDUCING TEE	10" x 10" x 2½"-250 x 250 x 75 mm (MECHANICAL SDR11)
18000497	REDUCING TEE	10" x 10" x 2½"-250 x 250 x 75 mm (MECHANICAL SDR17.6)
18000498	REDUCING TEE	10" x 10" x 3" – 250 x 250 x 90 mm (POTABLE COLD SDR11)
18000499	REDUCING TEE	10" x 10" x 3" – 250 x 250 x 90 mm (POTABLE HOT SDR9)
18000097	REDUCING TEE	10" x 10" x 3" – 250 x 250 x 90 mm (MECHANICAL SDR9)
18000098	REDUCING TEE	10" x 10" x 3" – 250 x 250 x 90 mm (MECHANICAL SDR11)
18000099	REDUCING TEE	10" x 10" x 3" – 250 x 250 x 90 mm (MECHANICAL SDR17.6)
18000103	REDUCING TEE	10" x 10" x 4" – 250 x 250 x 125 mm (POTABLE COLD SDR11)
18000104	REDUCING TEE	10" x 10" x 4" – 250 x 250 x 125 mm (POTABLE HOT SDR9)
18000149	REDUCING TEE	10" x 10" x 4" – 250 x 250 x 125 mm (MECHANICAL SDR9)

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

Void After: July 2024

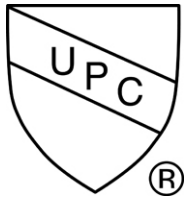
This certificate is not evidence of current listing. To verify listing status, visit the IAPMO R&T Product Listing Directory at pld.iapmo.org

Model Number	Description	Dimension
18000153	REDUCING TEE	10" x 10" x 4" – 250 x 250 x 125 mm (MECHANICAL SDR11)
18000154	REDUCING TEE	10" x 10" x 4" – 250 x 250 x 125 mm (MECHANICAL SDR17.6)
18000155	REDUCING TEE	12" x 12" x 3"-315 x 315 x 90 mm (POTABLE COLD SDR11)
18000156	REDUCING TEE	12" x 12" x 3"-315 x 315 x 90 mm (POTABLE HOT SDR9)
18000157	REDUCING TEE	12" x 12" x 3"-315 x 315 x 90 mm (MECHANICAL SDR9)
18000158	REDUCING TEE	12" x 12" x 3"-315 x 315 x 90 mm (MECHANICAL SDR11)
18000159	REDUCING TEE	12" x 12" x 3"-315 x 315 x 90 mm (MECHANICAL SDR17.6)
18000169	REDUCING TEE	12" x 12" x 4"-315 x 315 x 125 mm (POTABLE COLD SDR11)
18000199	REDUCING TEE	12" x 12" x 4"-315 x 315 x 125 mm (POTABLE HOT SDR9)
18000201	REDUCING TEE	12" x 12" x 4"-315 x 315 x 125 mm (MECHANICAL SDR9)
18000210	REDUCING TEE	12" x 12" x 4"-315 x 315 x 125 mm (MECHANICAL SDR11)
18000214	REDUCING TEE	12" x 12" x 4"-315 x 315 x 125 mm (MECHANICAL SDR17.6)
18000219	REDUCING TEE	12" x 12" x 6"-315 x 315 x 160 mm (POTABLE COLD SDR11)
18000240	REDUCING TEE	12" x 12" x 6"-315 x 315 x 160 mm (POTABLE HOT SDR9)
18000241	REDUCING TEE	12" x 12" x 6"-315 x 315 x 160 mm (MECHANICAL SDR9)
18000242	REDUCING TEE	12" x 12" x 6"-315 x 315 x 160 mm (MECHANICAL SDR11)
18000243	REDUCING TEE	12" x 12" x 6"-315 x 315 x 160 mm (MECHANICAL SDR17.6)

Model Number	Description	Dimension
18000379	REDUCING TEE	6" x 6" x 4"-160 x 160 x 125 mm (POTABLE COLD SDR11)
18000376	REDUCING TEE	6" x 6" x 4"-160 x 160 x 125 mm (POTABLE HOT SDR9)
18000370	REDUCING TEE	6" x 6" x 4"-160 x 160 x 125 mm (MECHANICAL SDR9)
18000373	REDUCING TEE	6" x 6" x 4"-160 x 160 x 125 mm (MECHANICAL SDR11)
18002500	REDUCING TEE	6" x 6" x 4"-160 x 160 x 125 mm (MECHANICAL 17.6)
18000380	REDUCING TEE	8" x 8" x 4" – 200 x 200 x 125 mm (POTABLE COLD SDR11)
18000377	REDUCING TEE	8" x 8" x 4" – 200 x 200 x 125 mm (POTABLE HOT SDR9)
18000371	REDUCING TEE	8" x 8" x 4" – 200 x 200 x 125 mm (MECHANICAL SDR9)
18000374	REDUCING TEE	8" x 8" x 4" – 200 x 200 x 125 mm (MECHANICAL SDR11)
18000382	REDUCING TEE	8" x 8" x 4" – 200 x 200 x 125 mm (MECHANICAL SDR17.6)

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

File Number: 8358

Product: Pressure Rated Polypropylene Piping Systems

Effective Date: July 2019

Revised Date: June 15, 2023

Void After: July 2024

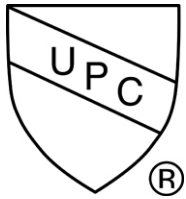
This certificate is not evidence of current listing. To verify listing status, visit the IAPMO R&T Product Listing Directory at pld.iapmo.org

Model Number	Description	Dimension
18000381	REDUCING TEE	8" x 8" x 6" – 200 x 200 x 160 mm (POTABLE COLD SDR11)
18000378	REDUCING TEE	8" x 8" x 6" – 200 x 200 x 160 mm (POTABLE HOT SDR9)
18000372	REDUCING TEE	8" x 8" x 6" – 200 x 200 x 160 mm (MECHANICAL SDR9)
18000375	REDUCING TEE	8" x 8" x 6" – 200 x 200 x 160 mm (MECHANICAL SDR11)
18000383	REDUCING TEE	8" x 8" x 6" – 200 x 200 x 160 mm (MECHANICAL SDR17.6)
18000360	REDUCING TEE	10" x 10" x 6" – 250 x 250 x 160 mm (POTABLE COLD SDR11)
18000361	REDUCING TEE	10" x 10" x 6" – 250 x 250 x 160 mm (POTABLE HOT SDR9)
18000384	REDUCING TEE	10" x 10" x 6" – 250 x 250 x 160 mm (MECHANICAL SDR9)
18000385	REDUCING TEE	10" x 10" x 6" – 250 x 250 x 160 mm (MECHANICAL SDR11)
18000386	REDUCING TEE	10" x 10" x 6" – 250 x 250 x 160 mm (MECHANICAL SDR17.6)
18000387	REDUCING TEE	10" x 10" x 8" – 250 x 250 x 200 mm (POTABLE COLD SDR11)
18000388	REDUCING TEE	10" x 10" x 8" – 250 x 250 x 200 mm (POTABLE HOT SDR9)
18000389	REDUCING TEE	10" x 10" x 8" – 250 x 250 x 200 mm (MECHANICAL SDR9)
18000390	REDUCING TEE	10" x 10" x 8" – 250 x 250 x 200 mm (MECHANICAL SDR11)
18000391	REDUCING TEE	10" x 10" x 8" – 250 x 250 x 200 mm (MECHANICAL SDR17.6)
18000392	REDUCING TEE	12" x 12" x 8" – 315 x 315 x 200 mm (POTABLE COLD SDR11)
18000393	REDUCING TEE	12" x 12" x 8" – 315 x 315 x 200 mm (POTABLE HOT SDR9)
18000394	REDUCING TEE	12" x 12" x 8" – 315 x 315 x 200 mm (MECHANICAL SDR9)
18000395	REDUCING TEE	12" x 12" x 8" – 315 x 315 x 200 mm (MECHANICAL SDR11)
18000396	REDUCING TEE	12" x 12" x 8" – 315 x 315 x 200 mm (MECHANICAL SDR17.6)
18000397	REDUCING TEE	12" x 12" x 10" – 315 x 315 x 250 mm (POTABLE COLD SDR11)
18000398	REDUCING TEE	12" x 12" x 10" – 315 x 315 x 250 mm (POTABLE HOT SDR9)
18000399	REDUCING TEE	12" x 12" x 10" – 315 x 315 x 250 mm (MECHANICAL SDR9)
18000095	REDUCING TEE	12" x 12" x 10" – 315 x 315 x 250 mm (MECHANICAL SDR11)
18000096	REDUCING TEE	12" x 12" x 10" – 315 x 315 x 250 mm (MECHANICAL SDR17.6)

Model Number	Description	Dimension
18001189	TEE WYE	4"-125 mm (POTABLE COLD SDR11)
18001186	TEE WYE	4"-125 mm (POTABLE HOT SDR9)

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

Void After: July 2024

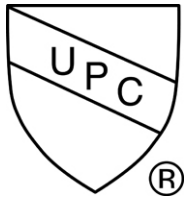
This certificate is not evidence of current listing. To verify listing status, visit the IAPMO R&T Product Listing Directory at pld.iapmo.org

Model Number	Description	Dimension
18001180	TEE WYE	4"-125 mm (MECHANICAL SDR9)
18001183	TEE WYE	4"-125 mm (MECHANICAL SDR11)
18002511	TEE WYE	4"-125 mm (MECHANICAL SDR17.6)
18001190	TEE WYE	6"-160 mm (POTABLE COLD SDR11)
18001187	TEE WYE	6"-160 mm (POTABLE HOT SDR9)
18001181	TEE WYE	6"-160 mm (MECHANICAL SDR9)
18001184	TEE WYE	6"-160 mm (MECHANICAL SDR11)
18002510	TEE WYE	6"-160 mm (MECHANICAL 17.6)
18001191	TEE WYE	8"-200 mm (POTABLE COLD SDR11)
18001188	TEE WYE	8"-200 mm (POTABLE HOT SDR9)
18001182	TEE WYE	8"-200 mm (MECHANICAL SDR9)
18001185	TEE WYE	8"-200 mm (MECHANICAL SDR11)
18001192	TEE WYE	8"-200 mm (MECHANICAL SDR17.6)
18001179	TEE WYE	10"-250 mm (POTABLE COLD SDR11)
18001193	TEE WYE	10"-250 mm (POTABLE HOT SDR9)
18001194	TEE WYE	10"-250 mm (MECHANICAL SDR9)
18001195	TEE WYE	10"-250 mm (MECHANICAL SDR11)
18001196	TEE WYE	10"-250 mm (MECHANICAL SDR17.6)
18001197	TEE WYE	12"-315 mm (POTABLE COLD SDR11)
18001198	TEE WYE	12"-315 mm (POTABLE HOT SDR9)
18001199	TEE WYE	12"-315 mm (MECHANICAL SDR9)
18000093	TEE WYE	12"-315 mm (MECHANICAL SDR11)
18000094	TEE WYE	12"-315 mm (MECHANICAL SDR17.6)

Model Number	Description	Dimension
18000250	END CAP	½"-20 mm
18000251	END CAP	¾" -25 mm
18000252	END CAP	1"-32 mm
18000253	END CAP	1¼"-40 mm

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

Void After: July 2024

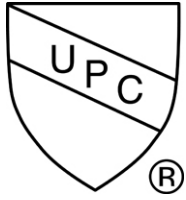
This certificate is not evidence of current listing. To verify listing status, visit the IAPMO R&T Product Listing Directory at pld.iapmo.org

Model Number	Description	Dimension
18000254	END CAP	1½"-50 mm
18000255	END CAP	2"-63 mm
18000256	END CAP	2½"-75 mm
18000257	END CAP	3"-90 mm
18000259	END CAP	4"-125 mm
18000260	END CAP	6"-160 mm SDR9
18000261	END CAP	6"-160 mm SDR11
18002520	END CAP	6"-160 mm SDR17.6
18000262	END CAP	8"-200 mm SDR9
18000263	END CAP	8"-200 mm SDR11
18000264	END CAP	8"-200 mm SDR17.6
18000265	END CAP	10"-250 mm SDR9
18000266	END CAP	10"-250 mm SDR11
18000267	END CAP	10"-250 mm SDR17.6
18000268	END CAP	12"-315 mm SDR9
18000269	END CAP	12"-315 mm SDR11
18000092	END CAP	12"-315 mm SDR17.6

Model Number	Description	Dimension
18000270	SADDLE (for outlet fusion)	1¼" x ½" - 40 x 20 mm
18000271	SADDLE (for outlet fusion)	1¼" x ¾" - 40 x 25 mm
18000272	SADDLE (for outlet fusion)	1½" x ½" - 50 x 20 mm
18000273	SADDLE (for outlet fusion)	1½" x ¾" - 50 x 25 mm
18000274	SADDLE (for outlet fusion)	2" x ½" - 63 x 20 mm
18000275	SADDLE (for outlet fusion)	2" x ¾" - 63 x 25 mm
18000276	SADDLE (for outlet fusion)	2" x 1" - 63 x 32 mm
18000277	SADDLE (for outlet fusion)	2½" x ½" - 75 x 20 mm
18000278	SADDLE (for outlet fusion)	2½" x ¾" - 75 x 25 mm
18000279	SADDLE (for outlet fusion)	2½" x 1" - 75 x 32 mm

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

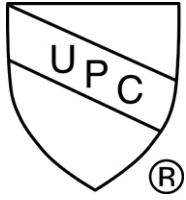
Void After: July 2024

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

Model Number	Description	Dimension
18000280	SADDLE (for outlet fusion)	2½" x 1¼" - 75 x 40 mm
18000281	SADDLE (for outlet fusion)	3" x ½" - 90 x 20 mm
18000282	SADDLE (for outlet fusion)	3" x ¾" - 90 x 25 mm
18000283	SADDLE (for outlet fusion)	3" x 1" - 90 x 32 mm
18000284	SADDLE (for outlet fusion)	3" x 1¼" - 90 x 40 mm
18000290	SADDLE (for outlet fusion)	4" x ½" - 125 x 20 mm
18000291	SADDLE (for outlet fusion)	4" x ¾" - 125 x 25 mm
18000292	SADDLE (for outlet fusion)	4" x 1" - 125 x 32 mm
18000293	SADDLE (for outlet fusion)	4" x 1¼" - 125 x 40 mm
18000294	SADDLE (for outlet fusion)	4" x 1½" - 125 x 50 mm
18000295	SADDLE (for outlet fusion)	4" x 2" - 125 x 63 mm
18000296	SADDLE (for outlet fusion)	6" x ½" - 160 x 20 mm
18000297	SADDLE (for outlet fusion)	6" x ¾" - 160 x 25 mm
18000298	SADDLE (for outlet fusion)	6" x 1" - 160 x 32 mm
18000299	SADDLE (for outlet fusion)	6" x 1¼" - 160 x 40 mm
18000300	SADDLE (for outlet fusion)	6" x 1½" - 160 x 50 mm
18000301	SADDLE (for outlet fusion)	6" x 2" - 160 x 63 mm
18000302	SADDLE (for outlet fusion)	6" x 2½" - 160 x 75 mm
18000303	SADDLE (for outlet fusion)	6" x 3" - 160 x 90 mm
18000304	SADDLE (for outlet fusion)	8" x ½" - 200 x 20 mm
18000305	SADDLE (for outlet fusion)	8" x ¾" - 200 x 25 mm
18000306	SADDLE (for outlet fusion)	8" x 1" - 200 x 32 mm
18000307	SADDLE (for outlet fusion)	8" x 1¼" - 200 x 40 mm
18000308	SADDLE (for outlet fusion)	8" x 1½" - 200 x 50 mm
18000309	SADDLE (for outlet fusion)	8" x 2" - 200 x 63 mm
18000310	SADDLE (for outlet fusion)	8" x 2½" - 200 x 75 mm
18000311	SADDLE (for outlet fusion)	8" x 3" - 200 x 90 mm
18000312	SADDLE (for outlet fusion)	8" x 4" - 200 x 125 mm
18000313	SADDLE (for outlet fusion)	10" x ½" - 250 x 20 mm

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

Void After: July 2024

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

Model Number	Description	Dimension
18000314	SADDLE (for outlet fusion)	10" x ¾" – 250 x 25 mm
18000315	SADDLE (for outlet fusion)	10" x 1" – 250 x 32 mm
18000316	SADDLE (for outlet fusion)	10" x 1¼" – 250 x 40 mm
18000317	SADDLE (for outlet fusion)	10" x 1½" – 250 x 50 mm
18000318	SADDLE (for outlet fusion)	10" x 2" – 250 x 63 mm
18000319	SADDLE (for outlet fusion)	10" x 2½" – 250 x 75 mm
18000327	SADDLE (for outlet fusion)	10" x 3" – 250 x 90 mm
18000321	SADDLE (for outlet fusion)	10" x 4" – 250 x 125 mm
18000322	SADDLE (for outlet fusion)	12" x 2" – 315 x 63 mm
18000323	SADDLE (for outlet fusion)	12" x 2½" – 315 x 75 mm
18000324	SADDLE (for outlet fusion)	12" x 3" – 315 x 90 mm
18000325	SADDLE (for outlet fusion)	12" x 4" – 315 x 125 mm
18000326	SADDLE (for outlet fusion)	12" x 6" – 315 x 160 mm

Model Number	Description	Dimension
18000930	CROSS	(½" - 20 mm) x (½" - 20 mm) x (½" - 20 mm) x (½" - 20 mm)
18000931	CROSS	(¾" - 25 mm) x (¾" - 25 mm) x (¾" - 25 mm) x (¾" - 25 mm)

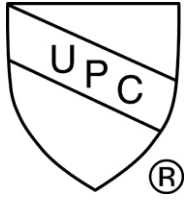
Model Number	Description	Dimension
18000950	3 WAY ELBOW	(½" - 20 mm) x (½" - 20 mm) x (½" - 20 mm)
18000951	3 WAY ELBOW	(¾" - 25 mm) x (¾" - 25 mm) x (¾" - 25 mm)

Model Number	Description	Dimension
18001070	CROSS OVER (molded)	(½" - 20 mm) x (½" - 20 mm)
18001071	CROSS OVER (molded)	(¾" - 25 mm) x (¾" - 25 mm)
18001072	CROSS OVER (molded)	(1" - 32 mm) x (1" - 32 mm)

Model Number	Description	Dimension
--------------	-------------	-----------

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

Void After: July 2024

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

Model Number	Description	Dimension
18000850	CROSS OVER	1/2" - 20mm
18000851	CROSS OVER	3/4" - 25mm
18000852	CROSS OVER	1"-32mm

SADDLE ADAPTERS

Model Number	Description	Dimension
18004015	PROPEX SADDLE ADAPTER	(2 ¹ / ₄) X 3/4"
18004016	PROPEX SADDLE ADAPTER	(1 ¹ / ₂ ¹ / ₄) X 1/2"

SCREW NUTS, FLANGE ADDAPTORS AND RINGS

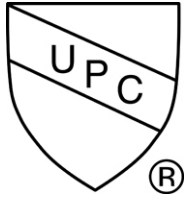
Model Number	Description	Dimension
18000350	PPR-CT NUT	1/2"-20 mm
18000351	PPR-CT NUT	3/4" -25 mm
18000352	PPR-CT NUT	1"-32 mm
18000353	PPR-CT NUT	1 ¹ / ₄ "-40 mm
18000354	PPR-CT NUT	1 ¹ / ₂ "-50 mm
18000355	PPR-CT NUT	2"-63 mm

Model Number	Description	Dimension
18000790	PLASTIC - PLASTIC NUT CONNECTOR	1/2" - 20mm

Model Number	Description	Dimension
18000320	FLANGE ADAPTER	12"-315 mm SDR17.6
18000330	FLANGE ADAPTER	1" - 32 mm
18000331	FLANGE ADAPTER	1 ¹ / ₄ " - 40 mm
18000332	FLANGE ADAPTER	1 ¹ / ₂ " - 50 mm
18000333	FLANGE ADAPTER	2" - 63 mm
18000334	FLANGE ADAPTER	2 ¹ / ₂ " - 75 mm

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

Void After: July 2024

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

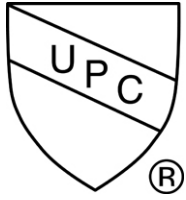
Model Number	Description	Dimension
18000335	FLANGE ADAPTER	3" - 90 mm
18000337	FLANGE ADAPTER	4" - 125 mm SDR9 (Butt Fused or Socet Fused w/ Coupling)
18000339	FLANGE ADAPTER	6" - 160 mm ??
18000340	FLANGE ADAPTER	6" - 160 mm SDR9
18000341	FLANGE ADAPTER	6" - 160 mm SDR11
18000342	FLANGE ADAPTER	8"-200 mm SDR9
18000343	FLANGE ADAPTER	8"-200 mm SDR11
18000344	FLANGE ADAPTER	8"-200 mm SDR17.6
18000345	FLANGE ADAPTER	10"-250 mm SDR9
18000346	FLANGE ADAPTER	10"-250 mm SDR11
18000347	FLANGE ADAPTER	10"-250 mm SDR17.6
18000348	FLANGE ADAPTER	12"-315 mm SDR9
18000349	FLANGE ADAPTER	12"-315 mm SDR11
18002530	FLANGE ADAPTER	4" - 125 mm SDR11 (Butt Fused or Socet Fused w/ Coupling)
18002531	FLANGE ADAPTER	4" - 125 mm SDR17.6 (Butt Fused or Socet Fused w/ Coupling)
18002532	FLANGE ADAPTER	PP-RCT, 2 1/2", for Butterfly Valves
18002533	FLANGE ADAPTER	PP-RCT, 3", for Butterfly Valves
18002534	FLANGE ADAPTER	PP-RCT, 4", SDR 9, Butt or Socket Fused with Coupling
18002540	FLANGE ADAPTER	6"-160 mm SDR17.6

Note: The following models shall be marked UPC®/UMC®

Model Number	Description	Dimension
20501032	FLANGE RING	ANSI steel flange bolting to 1" - 32 mm
20501040	FLANGE RING	ANSI steel flange bolting to 1 1/4" - 40 mm
20501050	FLANGE RING	ANSI steel flange bolting to 1 1/2" - 50 mm
20501063	FLANGE RING	ANSI steel flange bolting to 2" - 63 mm
20501075	FLANGE RING	ANSI steel flange bolting to 2 1/2" - 75 mm
20501090	FLANGE RING	ANSI steel flange bolting to 3" - 90 mm
20501125	FLANGE RING	ANSI steel flange bolting to 4" - 125 mm

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

Void After: July 2024

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

Model Number	Description	Dimension
20501160	FLANGE RING	ANSI steel flange bolting to 6" - 160 mm

TRANSITION FITTINGS

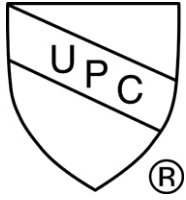
Model Number	Description	Dimension
18000450	TRANSITION PIECE (female threads)	(1/2" - 20 mm) x 1/2"Female NPT
18000451	TRANSITION PIECE (female threads)	(1/2" - 20 mm) x 3/4"Female NPT
18000452	TRANSITION PIECE (female threads)	(3/4" - 25 mm) x 1/2"Female NPT
18000453	TRANSITION PIECE (female threads)	(3/4" - 25 mm) x 3/4"Female NPT
18000454	TRANSITION PIECE (female threads)	(1" - 32 mm) x 3/4"Female NPT

Model Number	Description	Dimension
18004005	ProPEX LF Brass Adapter	1/2" PP-RCT x 1/2" PEX
18004006	ProPEX LF Brass Adapter	3/4" PP-RCT x 3/4" PEX
18004007	ProPEX LF Brass Adapter	1" PP-RCT x 1" PEX

Model Number	Description	Dimension
18000520	TRANSITION PIECE (lead-free female threads)	(1/2" - 20 mm) x 1/2"Female NPT (lead-free)
18000521	TRANSITION PIECE (lead-free female threads)	(1/2" - 20 mm) x 3/4"Female NPT (lead-free)
18000522	TRANSITION PIECE (lead-free female threads)	(3/4" - 25 mm) x 1/2"Female NPT (lead-free)
18000523	TRANSITION PIECE (lead-free female threads)	(3/4" - 25 mm) x 3/4"Female NPT (lead-free)
18000524	TRANSITION PIECE (lead-free female threads)	(1" - 32 mm) x 3/4"Female NPT (lead-free)
18000525	TRANSITION PIECE (lead-free female threads)	(1" - 32 mm) x 1" Female NPT(lead-free)
18000526	TRANSITION PIECE (lead-free female threads)	(1 1/4" - 40 mm) x 1" Female NPT(lead-free)

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

Void After: July 2024

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

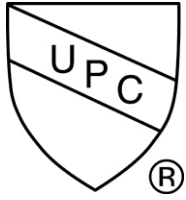
Model Number	Description	Dimension
18000527	TRANSITION PIECE (lead-free female threads)	(1¼" - 40 mm) x 1¼" Female NPT (lead-free)
18000528	TRANSITION PIECE (lead-free female threads)	(1½" - 50 mm) x 1½" Female NPT (lead-free)
18000529	TRANSITION PIECE (lead-free female threads)	(2" - 63 mm) x 2" Female NPT (lead-free)

Model Number	Description	Dimension
18000500	TRANSITION PIECE (female thread with HEX)	(½" - 20 mm) x ½" Female NPT HEX
18000501	TRANSITION PIECE (female thread with HEX)	(¾" - 25 mm) x ½" Female NPT HEX
18000502	TRANSITION PIECE (female thread with HEX)	(¾" - 25 mm) x ¾" Female NPT HEX
18000503	TRANSITION PIECE (female thread with HEX)	(1" - 32 mm) x ¾" Female NPT HEX
18000504	TRANSITION PIECE (female thread with HEX)	(1" - 32 mm) x 1" Female NPT HEX
18000505	TRANSITION PIECE (female thread with HEX)	(1¼" - 40 mm) x 1" Female NPT HEX
18000506	TRANSITION PIECE (female thread with HEX)	(1¼" - 40 mm) x 1¼" Female NPT HEX
18000507	TRANSITION PIECE (female thread with HEX)	(1½" - 50 mm) x 1½" Female NPT HEX
18000508	TRANSITION PIECE (female thread with HEX)	(2" - 63 mm) x 2" Female NPT HEX

Model Number	Description	Dimension
18000530	TRANSITION PIECE (male thread)	(½" - 20 mm) x ½" Male NPT
18000531	TRANSITION PIECE (male thread)	(¾" - 25 mm) x ½" Male NPT
18000532	TRANSITION PIECE (male thread)	(¾" - 25 mm) x ¾" Male NPT
18000533	TRANSITION PIECE (male thread)	(1" - 32 mm) x ¾" Male NPT

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

Void After: July 2024

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

Model Number	Description	Dimension
18000540	TRANSITION PIECE (lead-free male thread)	(1/2" - 20 mm) x 1/2" Male NPT (lead-free)
18000541	TRANSITION PIECE (lead-free male thread)	(3/4" - 25 mm) x 1/2" Male NPT (lead-free)
18000542	TRANSITION PIECE (lead-free male thread)	(3/4" - 25 mm) x 3/4" Male NPT (lead-free)
18000543	TRANSITION PIECE (lead-free male thread)	(1" - 32 mm) x 3/4" Male NPT (lead-free)
18000544	TRANSITION PIECE (lead-free male thread)	(1"-32 mm) x 1" Male NPT (lead-free)
18000545	TRANSITION PIECE (lead-free male thread)	(1 1/4" - 40 mm) x 1 1/4" Male NPT (lead-free)
18000546	TRANSITION PIECE (lead-free male thread)	(1 1/2" - 50 mm) x 1 1/2" Male NPT (lead-free)
18000547	TRANSITION PIECE (lead-free male thread)	(2" - 63 mm) x 2" Male NPT (lead-free)

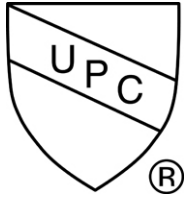
Model Number	Description	Dimension
18000550	TRANSITION PIECE (male thread with HEX)	(1/2" - 20 mm) x 1/2" Male NPT HEX
18000551	TRANSITION PIECE (male thread with HEX)	(3/4" - 25 mm) x 3/4" Male NPT HEX
18000552	TRANSITION PIECE (male thread with HEX)	(1"-32 mm) x 1" Male NPT HEX
18000554	TRANSITION PIECE (male thread with HEX)	(1 1/4" - 40 mm) x 1 1/4" Male NPT HEX
18000555	TRANSITION PIECE (male thread with HEX)	(1 1/2" - 50 mm) x 1 1/2" Male NPT HEX
18000556	TRANSITION PIECE (male thread with HEX)	(2" - 63 mm) x 2" Male NPT HEX

Model Number	Description	Dimension
18000570	TRANSITION ELBOW (female thread)	(1/2" - 20 mm) x 1/2" Female NPT
18000571	TRANSITION ELBOW (female thread)	(3/4" - 25 mm) x 3/4" Female NPT
18000572	TRANSITION ELBOW (female thread)	(3/4" - 25 mm) x 1/2" Female NPT
18000574	TRANSITION ELBOW (female thread)	(1" - 32 mm) x 1" Female NPT

Model Number	Description	Dimension
18001250	TRANSITION ELBOW (lead-free female thread)	(1/2" - 20 mm) x 1/2" Female NPT (lead-free)
18001251	TRANSITION ELBOW (lead-free female thread)	(3/4" - 25 mm) x 3/4" Female NPT (lead-free)

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

Void After: July 2024

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

Model Number	Description	Dimension
18001252	TRANSITION ELBOW (lead-free female thread)	($\frac{3}{4}$ " - 25 mm) x $\frac{1}{2}$ " Female NPT (lead-free)

18001253	TRANSITION ELBOW (lead-free female thread)	(1" - 32 mm) x 1" Female NPT (lead-free)
----------	--	--

Model Number	Description	Dimension
18000590	TRANSITION ELBOW (male thread)	($\frac{1}{2}$ " - 20 mm) x $\frac{1}{2}$ " Male NPT

18000591	TRANSITION ELBOW (male thread)	($\frac{3}{4}$ " - 25 mm) x $\frac{3}{4}$ " Male NPT
----------	--------------------------------	---

18000592	TRANSITION ELBOW (male thread)	(1" - 32 mm) x 1" Male NPT
----------	--------------------------------	----------------------------

Model Number	Description	Dimension
18001270	TRANSITION ELBOW (lead-free male thread)	($\frac{1}{2}$ " - 20 mm) x $\frac{1}{2}$ " Male NPT (lead-free)

18001271	TRANSITION ELBOW (lead-free male thread)	($\frac{3}{4}$ " - 25 mm) x $\frac{3}{4}$ " Male NPT (lead-free)
----------	--	---

18001272	TRANSITION ELBOW (lead-free male thread)	(1" - 32 mm) x 1" Male NPT (lead-free)
----------	--	--

Model Number	Description	Dimension
18000630	TRANSITION TEE (female tread)	($\frac{1}{2}$ " - 20 mm) x ($\frac{1}{2}$ " - 20 mm) x $\frac{1}{2}$ " Female NPT

18000631	TRANSITION TEE (female tread)	($\frac{3}{4}$ " - 25 mm) x ($\frac{3}{4}$ " - 25 mm) x $\frac{1}{2}$ " Female NPT
----------	-------------------------------	--

18000632	TRANSITION TEE (female tread)	($\frac{3}{4}$ " - 25 mm) x ($\frac{3}{4}$ " - 25 mm) x $\frac{3}{4}$ " Female NPT
----------	-------------------------------	--

18001290	TRANSITION TEE (lead-free female tread)	($\frac{1}{2}$ " - 20 mm) x ($\frac{1}{2}$ " - 20 mm) x $\frac{1}{2}$ " Female NPT (lead-free)
----------	---	--

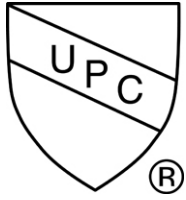
18001291	TRANSITION TEE (lead-free female tread)	($\frac{3}{4}$ " - 25 mm) x ($\frac{3}{4}$ " - 25 mm) x $\frac{1}{2}$ " Female NPT (lead-free)
----------	---	--

18001292	TRANSITION TEE (lead-free female tread)	($\frac{3}{4}$ " - 25 mm) x ($\frac{3}{4}$ " - 25 mm) x $\frac{3}{4}$ " Female NPT (lead-free)
----------	---	--

Model Number	Description	Dimension
18000650	TRANSITION SADDLE for outlet fusion (female thread with HEX)	($\frac{1}{2}$ " / $\frac{3}{4}$ " - 50 / 25 mm) x $\frac{1}{2}$ " Female NPT HEX

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

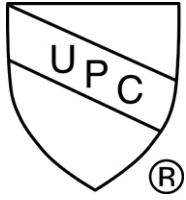
Void After: July 2024

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

Model Number	Description	Dimension
18000651	TRANSITION SADDLE for outlet fusion (female thread with HEX)	(2" / 3/4" - 63 / 25 mm) x 1/2"Female NPT HEX
18000652	TRANSITION SADDLE for outlet fusion (female thread with HEX)	(2 1/2" / 3/4" - 75 / 25 mm) x 1/2"Female NPT HEX
18000653	TRANSITION SADDLE for outlet fusion (female thread with HEX)	(3" / 3/4" - 90 / 25 mm) x 1/2"Female NPT HEX
18000654	TRANSITION SADDLE for outlet fusion (female thread with HEX)	(4" / 3/4" - 125 / 25 mm) x 1/2"Female NPT HEX
18000663	TRANSITION SADDLE for outlet fusion (female thread with HEX)	(6" / 3/4" - 160 / 25 mm) x 1/2"Female NPT HEX
18000680	TRANSITION SADDLE for outlet fusion (female thread with HEX)	(8" / 3/4" - 200 / 25 mm) x 1/2"Female NPT HEX
18000683	TRANSITION SADDLE for outlet fusion (female thread with HEX)	(10" / 3/4" - 250 / 25 mm) x 1/2"Female NPT HEX
18000655	TRANSITION SADDLE for outlet fusion (female thread with HEX)	(1 1/2" / 3/4" - 50 / 25 mm) x 3/4"Female NPT HEX
18000656	TRANSITION SADDLE for outlet fusion (female thread with HEX)	(2" / 3/4" - 63 / 25 mm) x 3/4"Female NPT HEX
18000657	TRANSITION SADDLE for outlet fusion (female thread with HEX)	(2 1/2" / 3/4" - 75 / 25 mm) x 3/4"Female NPT HEX
18000658	TRANSITION SADDLE for outlet fusion (female thread with HEX)	(3" / 3/4" - 90 / 25 mm) x 3/4"Female NPT HEX
18000659	TRANSITION SADDLE for outlet fusion (female thread with HEX)	(4" / 3/4" - 125 / 25 mm) x 3/4"Female NPT HEX
18000664	TRANSITION SADDLE for outlet fusion (female thread with HEX)	(6" / 3/4" - 160 / 25 mm) x 3/4"Female NPT HEX
18000681	TRANSITION SADDLE for outlet fusion (female thread with HEX)	(8" / 3/4" - 200 / 25 mm) x 3/4"Female NPT HEX
18000684	TRANSITION SADDLE for outlet fusion (female thread with HEX)	(10" / 3/4" - 250 / 25 mm) x 3/4"Female NPT HEX
18000660	TRANSITION SADDLE for outlet fusion (female thread with HEX)	(2 1/2" / 1" - 75 / 32 mm) x 1"Female NPT HEX
18000661	TRANSITION SADDLE for outlet fusion (female thread with HEX)	(3" / 1" - 90 / 32 mm) x 1"Female NPT HEX
18000662	TRANSITION SADDLE for outlet fusion (female thread with HEX)	(4" / 1" - 125 / 32 mm) x 1"Female NPT HEX

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

Void After: July 2024

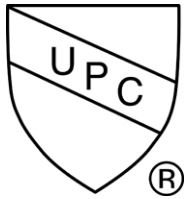
This certificate is not evidence of current listing. To verify listing status, visit the IAPMO R&T Product Listing Directory at pld.iapmo.org

Model Number	Description	Dimension
18000665	TRANSITION SADDLE for outlet fusion (female thread with HEX)	(6" / 1" - 160 / 32 mm) x 1"Female NPT HEX
18000682	TRANSITION SADDLE for outlet fusion (female thread with HEX)	(8" / 1" - 200 / 32 mm) x 1"Female NPT HEX
18000685	TRANSITION SADDLE for outlet fusion (female thread with HEX)	(10" / 1" - 250 / 32 mm) x 1"Female NPT HEX

Model Number	Description	Dimension
18001350	TRANSITION SADDLE for outlet fusion (lead-free female thread)	(1½" / ¾" - 50 / 25 mm) x ½"Female NPT (lead-free)
18001453	TRANSITION SADDLE for outlet fusion (lead-free female thread)	(2" / ¾" - 63 / 25 mm) x ½"Female NPT (lead-free)
18001450	TRANSITION SADDLE for outlet fusion (lead-free female thread)	(2½" / ¾" - 75 / 25 mm) x ½"Female NPT (lead-free)
18001451	TRANSITION SADDLE for outlet fusion (lead-free female thread)	(3" / ¾" - 90 / 25 mm) x ½"Female NPT (lead-free)
18001452	TRANSITION SADDLE for outlet fusion (lead-free female thread)	(4" / ¾" - 125 / 25 mm) x ½"Female NPT (lead-free)
18001355	TRANSITION SADDLE for outlet fusion (lead-free female thread)	(6" / ¾" - 160 / 25 mm) x ½"Female NPT (lead-free)
18001455	TRANSITION SADDLE for outlet fusion (lead-free female thread)	(8" / ¾" - 200 / 25 mm) x ½"Female NPT (lead-free)
18001458	TRANSITION SADDLE for outlet fusion (lead-free female thread)	(10" / ¾" - 250 / 25 mm) x ½"Female NPT (lead-free)
18001356	TRANSITION SADDLE for outlet fusion (lead-free female thread)	(1½" / ¾" - 50 / 25 mm) x ¾"Female NPT (lead-free)
18001357	TRANSITION SADDLE for outlet fusion (lead-free female thread)	(2" / ¾" - 63 / 25 mm) x ¾"Female NPT (lead-free)
18001358	TRANSITION SADDLE for outlet fusion (lead-free female thread)	(2½" / ¾" - 75 / 25 mm) x ¾"Female NPT (lead-free)
18001359	TRANSITION SADDLE for outlet fusion (lead-free female thread)	(3" / ¾" - 90 / 25 mm) x ¾"Female NPT (lead-free)
18001360	TRANSITION SADDLE for outlet fusion (lead-free female thread)	(4" / ¾" - 125 / 25 mm) x ¾"Female NPT (lead-free)

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

Void After: July 2024

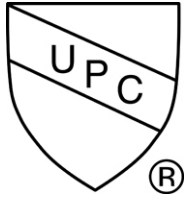
This certificate is not evidence of current listing. To verify listing status, visit the IAPMO R&T Product Listing Directory at pld.iapmo.org

Model Number	Description	Dimension
18001361	TRANSITION SADDLE for outlet fusion (lead-free female thread)	(6" / 3/4" - 160 / 25 mm) x 3/4"Female NPT (lead-free)
18001456	TRANSITION SADDLE for outlet fusion (lead-free female thread)	(8" / 3/4" - 200 / 25 mm) x 3/4"Female NPT (lead-free)
18001459	TRANSITION SADDLE for outlet fusion (lead-free female thread)	(10" / 3/4" - 250 / 25 mm) x 3/4"Female NPT (lead-free)
18001362	TRANSITION SADDLE for outlet fusion (lead-free female thread)	(2 1/2" / 1" - 75 / 32 mm) x 1"Female NPT (lead-free)
18001363	TRANSITION SADDLE for outlet fusion (lead-free female thread)	(3" / 1" - 90 / 32 mm) x 1"Female NPT (lead-free)
18001364	TRANSITION SADDLE for outlet fusion (lead-free female thread)	(4" / 1" - 125 / 32 mm) x 1"Female NPT (lead-free)
18001365	TRANSITION SADDLE for outlet fusion (lead-free female thread)	(6" / 1" - 160 / 32 mm) x 1"Female NPT (lead-free)
18001457	TRANSITION SADDLE for outlet fusion (lead-free female thread)	(8" / 1" - 200 / 32 mm) x 1"Female NPT (lead-free)
18001460	TRANSITION SADDLE for outlet fusion (lead-free female thread)	(10" / 1" - 250 / 32 mm) x 1"Female NPT (lead-free)

Model Number	Description	Dimension
18000690	TRANSITION SADDLE for outlet fusion (male thread w/ HEX)	(1 1/2" / 3/4" - 50 / 25 mm) x 1/2"Male NPT HEX
18000691	TRANSITION SADDLE for outlet fusion (male thread w/ HEX)	(2" / 3/4" - 63 / 25 mm) x 1/2"Male NPT HEX
18000692	TRANSITION SADDLE for outlet fusion (male thread w/ HEX)	(2 1/2" / 3/4" - 75 / 25 mm) x 1/2"Male NPT HEX
18000693	TRANSITION SADDLE for outlet fusion (male thread w/ HEX)	(3" / 3/4" - 90 / 25 mm) x 1/2"Male NPT HEX
18000694	TRANSITION SADDLE for outlet fusion (male thread w/ HEX)	(4" / 3/4" - 125 / 25 mm) x 1/2"Male NPT HEX
18000700	TRANSITION SADDLE for outlet fusion (male thread w/ HEX)	(6" / 3/4" - 160 / 25 mm) x 1/2"Male NPT HEX
18000695	TRANSITION SADDLE for outlet fusion (male thread w/ HEX)	(1 1/2" / 3/4" - 50 / 25 mm) x 3/4"Male NPT HEX

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

Void After: July 2024

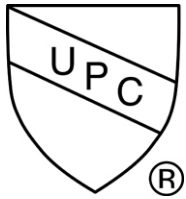
This certificate is not evidence of current listing. To verify listing status, visit the IAPMO R&T Product Listing Directory at pld.iapmo.org

Model Number	Description	Dimension
18000696	TRANSITION SADDLE for outlet fusion (male thread w/ HEX)	(2" / 3/4" - 63 / 25 mm) x 3/4" Male NPT HEX
18000697	TRANSITION SADDLE for outlet fusion (male thread w/ HEX)	(2 1/2" / 3/4" - 75 / 25 mm) x 3/4" Male NPT HEX
18000698	TRANSITION SADDLE for outlet fusion (male thread w/ HEX)	(3" / 3/4" - 90 / 25 mm) x 3/4" Male NPT HEX
18000699	TRANSITION SADDLE for outlet fusion (male thread w/ HEX)	(4" / 3/4" - 125 / 25 mm) x 3/4" Male NPT HEX
18000701	TRANSITION SADDLE for outlet fusion (male thread w/ HEX)	(6" / 3/4" - 160 / 25 mm) x 3/4" Male NPT HEX

Model Number	Description	Dimension
18001402	TRANSITION SADDLE for outlet fusion (lead-free male thread)	(1 1/2" / 3/4" - 50 / 25 mm) x 1/2" Male NPT (lead-free)
18001400	TRANSITION SADDLE for outlet fusion (lead-free male thread)	(2" / 3/4" - 63 / 25 mm) x 1/2" Male NPT (lead-free)
18001404	TRANSITION SADDLE for outlet fusion (lead-free male thread)	(2 1/2" / 3/4" - 75 / 25 mm) x 1/2" Male NPT (lead-free)
18001408	TRANSITION SADDLE for outlet fusion (lead-free male thread)	(3" / 3/4" - 90 / 25 mm) x 1/2" Male NPT (lead-free)
18001411	TRANSITION SADDLE for outlet fusion (lead-free male thread)	(4" / 3/4" - 125 / 25 mm) x 1/2" Male NPT (lead-free)
18001409	TRANSITION SADDLE for outlet fusion (lead-free male thread)	(6" / 3/4" - 160 / 25 mm) x 1/2" Male NPT (lead-free)
18001403	TRANSITION SADDLE for outlet fusion (lead-free male thread)	(1 1/2" / 3/4" - 50 / 25 mm) x 3/4" Male NPT (lead-free)
18001401	TRANSITION SADDLE for outlet fusion (lead-free male thread)	(2" / 3/4" - 63 / 25 mm) x 3/4" Male NPT (lead-free)
18001405	TRANSITION SADDLE for outlet fusion (lead-free male thread)	(2 1/2" / 3/4" - 75 / 25 mm) x 3/4" Male NPT (lead-free)
18001407	TRANSITION SADDLE for outlet fusion (lead-free male thread)	(3" / 3/4" - 90 / 25 mm) x 3/4" Male NPT (lead-free)
18001406	TRANSITION SADDLE for outlet fusion (lead-free male thread)	(4" / 3/4" - 125 / 25 mm) x 3/4" Male NPT (lead-free)

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

Void After: July 2024

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

Model Number	Description	Dimension
18001410	TRANSITION SADDLE for outlet fusion (lead-free male thread)	(6" / 3/4" - 160 / 25 mm) x 3/4" Male NPT (lead-free)

Model Number	Description	Dimension
18000400	TRANSITION ELBOW with 3 point back plate (female thread)	(1/2" - 20 mm) x 1/2" Female NPT
18000401	TRANSITION ELBOW with 3 point back plate (female thread)	(3/4" - 25 mm) x 3/4" Female NPT
18000402	TRANSITION ELBOW with 3 point back plate (female thread)	(3/4" - 25 mm) x 1/2" Female NPT

Model Number	Description	Dimension
18000410	TRANSITION ELBOW with 3 point back plate (lead-free female thread)	(1/2" - 20 mm) x 1/2" Female NPT (lead-free)
18000411	TRANSITION ELBOW with 3 point back plate (lead-free female thread)	(3/4" - 25 mm) x 3/4" Female NPT (lead-free)
18000412	TRANSITION ELBOW with 3 point back plate (lead-free female thread)	(3/4" - 25 mm) x 1/2" Female NPT (lead-free)

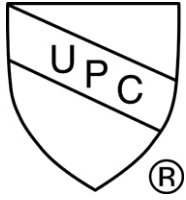
Model Number	Description	Dimension
18000430	TRANSITION ELBOW with side plates (female thread)	(3/4" - 25 mm) x 3/4" Female NPT

Model Number	Description	Dimension
18000440	TRANSITION ELBOW with side plates (lead-free female thread)	(3/4" - 25 mm) x 3/4" Female NPT (lead-free)

Model Number	Description	Dimension
18000970	TRANSITION ELBOW with back plate (female thread)	(1/2" - 20 mm) x 1/2" Female NPT
18000971	TRANSITION ELBOW with back plate (female thread)	(1/2" - 20 mm) x 3/4" Female NPT

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

Void After: July 2024

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

Model Number	Description	Dimension
18000980	TRANSITION ELBOW with back plate (lead-free female thread)	(1/2" - 20 mm) x 1/2" Female NPT (lead-free)

18000981	TRANSITION ELBOW with back plate (lead-free female thread)	(1/2" - 20 mm) x 3/4" Female NPT (lead-free)
----------	--	--

Model Number	Description	Dimension
18000990	TRANSITION ELBOW with back plate (male thread)	(1/2" - 20 mm) x 1/2" Male NPT

18000991	TRANSITION ELBOW with back plate (male thread)	(1/2" - 20 mm) x 3/4" Male NPT
----------	--	--------------------------------

Model Number	Description	Dimension
18001420	TRANSITION ELBOW with back plate (lead-free male thread)	(1/2" - 20 mm) x 1/2" Male NPT (lead-free)

18001421	TRANSITION ELBOW with back plate (lead-free male thread)	(1/2" - 20 mm) x 3/4" Male NPT (lead-free)
----------	--	--

Model Number	Description	Dimension
18000890	TRANSITION ELBOW 90° FOR GYPSUM WALL MOUNTING	(1/2" - 20 mm) x 1/2" Female NPT

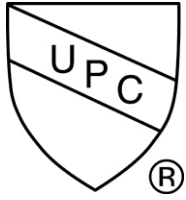
Model Number	Description	Dimension
18000830	TRANSITION TEE with back plate (female thread)	(1/2" - 20 mm) x (1/2" - 20 mm) x 1/2" Female NPT

18000831	TRANSITION TEE with back plate (female thread)	(3/4" - 25 mm) x (3/4" - 25 mm) x 1/2" Female NPT
----------	--	---

Model Number	Description	Dimension
18000840	TRANSITION TEE with back plate (lead-free female thread)	(1/2" - 20 mm) x (1/2" - 20 mm) x 1/2" Female NPT (lead-free)

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

Void After: July 2024

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

Model Number	Description	Dimension
18000841	TRANSITION TEE with back plate (lead-free female thread)	(3/4" - 25 mm) x (3/4" - 25 mm) x 1/2" Female NPT (lead-free)

Model Number	Description	Dimension
18001020	PEX ADAPTER (lead-free) (CRIMP / ASTM F1807)	(1/2" - 20 mm) x 1/2" (lead-free)
18001021	PEX ADAPTER (lead-free) (CRIMP / ASTM F1807)	(3/4" - 25 mm) x 3/4" (lead-free)

SHUT-OFF DEVICES

Model Number	Description	Dimension
18000730	BALL VALVE	VALVE 1/2" - 20 mm ball valve
18000731	BALL VALVE	VALVE 3/4" - 25 mm ball valve
18000732	BALL VALVE	VALVE 1" - 32 mm ball valve
18000733	BALL VALVE	VALVE 1 1/4" - 40 mm ball valve
18000734	BALL VALVE	VALVE 1 1/2" - 50 mm ball valve
18000735	BALL VALVE	VALVE 2" - 63 mm ball valve

Note: *these NSF 61 certified valves are manufactured by RED WHIT VALVE

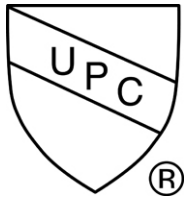
Note: The following models shall be marked UPC®/UMC®

Model Number	Description	Dimension
18000736	BALL VALVE	VALVE 1/2" - 20 mm ball valve*
18000737	BALL VALVE	VALVE 3/4" - 25 mm ball valve*
18000738	BALL VALVE	VALVE 1" - 32 mm ball valve*
18000739	BALL VALVE	VALVE 1 1/4" - 40 mm ball valve*
18000740	BALL VALVE	VALVE 1 1/2" - 50 mm ball valve*
18000741	BALL VALVE	VALVE 2" - 63 mm ball valve*

Model Number	Description	Dimension
--------------	-------------	-----------

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

Void After: July 2024

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

Model Number	Description	Dimension
18001030	STOP VALVE BODY	(1/2"-20mm) x 1/2"
18001031	STOP VALVE BODY	(3/4"-25mm) x 3/4"
18001032	STOP VALVE BODY	(1"-32mm) x 1"

Model Number	Description	Dimension
18001090	CONCEALED VALVE (chromium plated)	1/2"-20mm
18001091	CONCEALED VALVE (chromium plated)	3/4"-25mm
18001092	CONCEALED VALVE (chromium plated)	1"-32mm

Model Number	Description	Dimension
18001100	SCREW-DOWN STOP GLOBE VALVE	1/2" - 20 mm
18001101	SCREW-DOWN STOP GLOBE VALVE	3/4" - 25 mm
18001102	SCREW-DOWN STOP GLOBE VALVE	1" - 32 mm

Note: The following models shall be marked UPC®/UMC®

Model Number	Description	Dimension
18002550	VALVE BODY W/ TWO SIDE DRAINING BRANCHES	1/2" - 20mm
18002551	VALVE BODY W/ TWO SIDE DRAINING BRANCHES	3/4" - 25mm

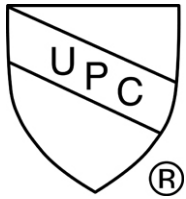
Model Number	Description	Dimension
18001120	DRAINING BRANCH	1/2" - 20mm
18001121	DRAINING BRANCH	3/4" - 25mm

WELDING ACCESSORIES

Model Number	Description
18001150	REPAIR PLUG

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

Void After: July 2024

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

Model Number	Description
18001160	MARKING GUIDE

TESTING ACCESSORIES

Model Number	Description	Dimension
18000750	LONG PLUG FOR PRESSURE TEST	1/2" - 20 mm
18000751	LONG PLUG FOR PRESSURE TEST	3/4" - 25 mm

Model Number	Description	Dimension
18001050	SHORT PLUG FOR PRESSURE TEST	1/2" - 20 mm
18001051	SHORT PLUG FOR PRESSURE TEST	3/4" - 25 mm

CLAMPS, ACCESSORIES AND MASKS

Model Number	Description	Dimension
18000870	CLAMPS	1/2" - 20mm
18000871	CLAMPS	3/4" - 25mm
18000872	CLAMPS	1" - 32mm
18000873	CLAMPS	1¼" - 40 mm

Model Number	Description
18001000	PAD

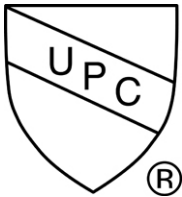
Model Number	Description
18001010	ELBOW MASK

DISTRIBUTORS

Model Number	Description	Dimension
18000770	TRANSITION ASSEMBLY	1/2" - 20 mm Female NPT

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

File Number: 8358

Product: Pressure Rated Polypropylene Piping Systems

Effective Date: July 2019

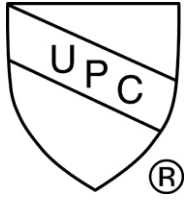
Revised Date: June 15, 2023

Void After: July 2024

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

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

Void After: July 2024

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

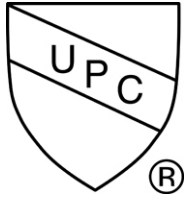
Additional Company Information

UPONOR INC.

Model Number	Description
PR9231310	1" Uponor PP-RCT Mechanical Pipe, SDR 9 with Fiber, 13-ft. straight length
PR9231313	1 1/4" Uponor PP-RCT Mechanical Pipe, SDR 9 with Fiber, 13-ft. straight length
PR9231315	1 1/2" Uponor PP-RCT Mechanical Pipe, SDR 9 with Fiber, 13-ft. straight length
PR9231320	2" Uponor PP-RCT Mechanical Pipe, SDR 9 with Fiber, 13-ft. straight length
PR9231960	6" Uponor PP-RCT Mechanical Pipe, SDR 9 with Fiber, 19-ft. straight length
PR11231310	1" Uponor PP-RCT Mechanical Pipe, SDR 11 with Fiber, 13-ft. straight length
PR11231313	1 1/4" Uponor PP-RCT Mechanical Pipe, SDR 11 with Fiber, 13-ft. straight length
PR11231315	1 1/2" Uponor PP-RCT Mechanical Pipe, SDR 11 with Fiber, 13-ft. straight length
PR11231320	2" Uponor PP-RCT Mechanical Pipe, SDR 11 with Fiber, 13-ft. straight length
PR17231940	4" Uponor PP-RCT Mechanical Pipe, SDR 17.6 with Fiber, 19-ft. straight length
PR17231960	6" Uponor PP-RCT Mechanical Pipe, SDR 17.6 with Fiber, 19-ft. straight length
PR17231980	8" Uponor PP-RCT Mechanical Pipe, SDR 17.6 with Fiber, 19-ft. straight length
PR172319100	10" Uponor PP-RCT Mechanical Pipe, SDR 17.6 with Fiber, 19-ft. straight length
PR172319120	12" Uponor PP-RCT Mechanical Pipe, SDR 17.6 with Fiber, 19-ft. straight length
PR9221310	1" Uponor PP-RCT Hot Potable Pipe, SDR 9 with Fiber, 13-ft. straight length
PR9221313	1 1/4" Uponor PP-RCT Hot Potable Pipe, SDR 9 with Fiber, 13-ft. straight length
PR9221315	1 1/2" Uponor PP-RCT Hot Potable Pipe, SDR 9 with Fiber, 13-ft. straight length
PR9221320	2" Uponor PP-RCT Hot Potable Pipe, SDR 9 with Fiber, 13-ft. straight length
PR9221925	2 1/2" Uponor PP-RCT Hot Potable Pipe, SDR 9 with Fiber, 19-ft. straight length
PR9221930	3" Uponor PP-RCT Hot Potable Pipe, SDR 9 with Fiber, 19-ft. straight length
PR9221940	4" Uponor PP-RCT Hot Potable Pipe, SDR 9 with Fiber, 19-ft. straight length
PR9221960	6" Uponor PP-RCT Hot Potable Pipe, SDR 9 with Fiber, 19-ft. straight length
PR9221980	8" Uponor PP-RCT Hot Potable Pipe, SDR 9 with Fiber, 19-ft. straight length

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

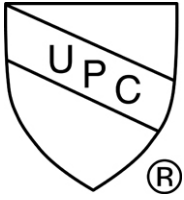
Void After: July 2024

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

Model Number	Description
PR11221310	1" Uponor PP-RCT Cold Potable Pipe, SDR 11, 13-ft. straight length
PR11221313	1 1/4" Uponor PP-RCT Cold Potable Pipe, SDR 11, 13-ft. straight length
PR11221315	1 1/2" Uponor PP-RCT Cold Potable Pipe, SDR 11, 13-ft. straight length
PR11221320	2" Uponor PP-RCT Cold Potable Pipe, SDR 11, 13-ft. straight length
PR11221925	2 1/2" Uponor PP-RCT Cold Potable Pipe, SDR 11, 19-ft. straight length
PR11221930	3" Uponor PP-RCT Cold Potable Pipe, SDR 11, 19-ft. straight length
PR11221940	4" Uponor PP-RCT Cold Potable Pipe, SDR 11, 19-ft. straight length
PR11221960	6" Uponor PP-RCT Cold Potable Pipe, SDR 11, 19-ft. straight length
PR11221980	8" Uponor PP-RCT Cold Potable Pipe, SDR 11, 19-ft. straight length
PR4771010	Uponor PP-RCT Coupling, 1" x 1"
PR4771313	Uponor PP-RCT Coupling, 1 1/4" x 1 1/4"
PR4771515	Uponor PP-RCT Coupling, 1 1/2" x 1 1/2"
PR4772020	Uponor PP-RCT Coupling, 2" x 2"
PR4772525	Uponor PP-RCT Coupling, 2 1/2" x 2 1/2"
PR4773030	Uponor PP-RCT Coupling, 3" x 3"
PR4774040	Uponor PP-RCT Coupling, 4" x 4"
PR4771310	Uponor PP-RCT Fitting Reducer, 1 1/4" x 1"
PR4771510	Uponor PP-RCT Fitting Reducer, 1 1/2" x 1"
PR4771513	Uponor PP-RCT Fitting Reducer, 1 1/2" x 1 1/4"
PR4772010	Uponor PP-RCT Fitting Reducer, 2" x 1"
PR4772013	Uponor PP-RCT Fitting Reducer, 2" x 1 1/4"
PR4772015	Uponor PP-RCT Fitting Reducer, 2" x 1 1/2"
PR4772513	Uponor PP-RCT Fitting Reducer, 2 1/2" x 1 1/4"
PR4772515	Uponor PP-RCT Fitting Reducer, 2 1/2" x 1 1/2"
PR4772520	Uponor PP-RCT Fitting Reducer, 2 1/2" x 2"
PR4772510	Uponor PP-RCT Fitting Reducer, 2 1/2" x 1"
PR4773015	Uponor PP-RCT Fitting Reducer, 3" x 1 1/2"
PR4773020	Uponor PP-RCT Fitting Reducer, 3" x 2"
PR4773025	Uponor PP-RCT Fitting Reducer, 3" x 2 1/2"

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

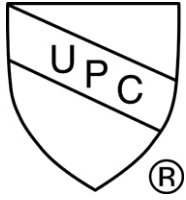
Void After: July 2024

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

Model Number	Description
PR94774025	Uponor PP-RCT Fitting Reducer, 4" x 2½", SDR 9
PR94774030	Uponor PP-RCT Fitting Reducer, 4" x 3", SDR 9
PR94776040	Uponor PP-RCT Reducer, 6" x 4", SDR 9, Butt to Socket Fusion
PR114776040	Uponor PP-RCT Reducer, 6" x 4", SDR 11, Butt to Socket Fusion
PR174776040	Uponor PP-RCT Reducer, 6" x 4", SDR 17.6, Butt to Socket Fusion
PR94778040	Uponor PP-RCT Reducer, 8" x 4", SDR 9, Butt to Socket Fusion
PR114778040	Uponor PP-RCT Reducer, 8" x 4", SDR 11, Butt to Socket Fusion
PR174778040	Uponor PP-RCT Reducer, 8" x 4", SDR 17.6, Butt to Socket Fusion
PR94778060	Uponor PP-RCT Reducer, 8" x 6", SDR 9
PR114778060	Uponor PP-RCT Reducer, 8" x 6", SDR 11
PR174778060	Uponor PP-RCT Reducer, 8" x 6", SDR 17.6
PR174771060	Uponor PP-RCT Reducer, 10" x 6", SDR 17.6
PR174771080	Uponor PP-RCT Reducer, 10" x 8", SDR 17.6
PR174771280	Uponor PP-RCT Reducer, 12" x 8", SDR 17.6
PR174771210	Uponor PP-RCT Reducer, 12" x 10", SDR 17.6
PR4769010	Uponor PP-RCT 90 Elbow, 1" x 1"
PR4769013	Uponor PP-RCT 90 Elbow, 1 1/4" x 1 1/4"
PR4769015	Uponor PP-RCT 90 Elbow, 1 1/2" x 1 1/2"
PR4769020	Uponor PP-RCT 90 Elbow, 2" x 2"
PR4769025	Uponor PP-RCT 90 Elbow, 2 1/2" x 2 1/2"
PR4769030	Uponor PP-RCT 90 Elbow, 3" x 3"
PR4769040	Uponor PP-RCT 90 Elbow, 4" x 4"
PR114769060	Uponor PP-RCT 90 Elbow, Cold Potable, 6" x 6", SDR 11
PR94769060	Uponor PP-RCT 90 Elbow, Hot Potable, 6" x 6", SDR 9
PR947690600	Uponor PP-RCT 90 Elbow, Mechanical, 6" x 6", SDR 9
PR174769060	Uponor PP-RCT 90 Elbow, Mechanical, 6" x 6", SDR 17.6
PR114769080	Uponor PP-RCT 90 Elbow, Cold Potable, 8" x 8", SDR 11
PR94769080	Uponor PP-RCT 90 Elbow, Hot Potable, 8" x 8", SDR 9
PR174769080	Uponor PP-RCT 90 Elbow, Mechanical, 8" x 8", SDR 17.6

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

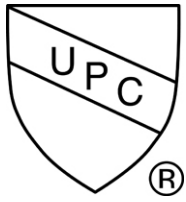
Void After: July 2024

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

Model Number	Description
PR174769010	Uponor PP-RCT 90 Elbow, Mechanical, 10" x 10",SDR 17.6
PR174769012	Uponor PP-RCT 90 Elbow, Mechanical, 12" x 12",SDR 17.6
PR4764510	Uponor PP-RCT 45 Elbow, 1" x 1"
PR4764513	Uponor PP-RCT 45 Elbow, 1 1/4" x 1 1/4"
PR4764515	Uponor PP-RCT 45 Elbow, 1 1/2" x 1 1/2"
PR4764520	Uponor PP-RCT 45 Elbow, 2" x 2"
PR4764525	Uponor PP-RCT 45 Elbow, 2 1/2" x 2 1/2"
PR4764530	Uponor PP-RCT 45 Elbow, 3" x 3"
PR4764540	Uponor PP-RCT 45 Elbow, 4" x 4"
PR114764560	Uponor PP-RCT 45 Elbow, Cold Potable, 6" x 6",SDR 11
PR94764560	Uponor PP-RCT 45 Elbow, Hot Potable, 6" x 6",SDR 9
PR947645600	Uponor PP-RCT 45 Elbow, Mechanical, 6" x 6",SDR 9
PR174764560	Uponor PP-RCT 45 Elbow, Mechanical, 6" x 6",SDR 17.6
PR114764580	Uponor PP-RCT 45 Elbow, Cold Potable, 8" x 8",SDR 11
PR94764580	Uponor PP-RCT 45 Elbow, Hot Potable, 8" x 8",SDR 9
PR174764580	Uponor PP-RCT 45 Elbow, Mechanical, 8" x 8",SDR 17.6
PR174764510	Uponor PP-RCT 45 Elbow, Mechanical, 10" x 10",SDR 17.6
PR174764512	Uponor PP-RCT 45 Elbow, Mechanical, 12" x 12",SDR 17.6
PR4751000	Uponor PP-RCT Tee, 1" x 1" x 1"
PR4751250	Uponor PP-RCT Tee, 1 1/4" x 1 1/4" x 1 1/4"
PR4751500	Uponor PP-RCT Tee, 1 1/2" x 1 1/2" x 1 1/2"
PR4752000	Uponor PP-RCT Tee, 2" x 2" x 2"
PR4752500	Uponor PP-RCT Tee, 2 1/2" x 2 1/2" x 2 1/2"
PR4753000	Uponor PP-RCT Tee, 3" x 3" x 3"
PR4754000	Uponor PP-RCT Tee, 4" x 4" x 4"
PR4751331	Uponor PP-RCT Reducing Tee, 1 1/4" x 1 1/4" x 1"
PR4751551	Uponor PP-RCT Reducing Tee, 1 1/2" x 1 1/2" x 1"
PR4751553	Uponor PP-RCT Reducing Tee, 1 1/2" x 1 1/2" x 1 1/4"
PR4752210	Uponor PP-RCT Reducing Tee, 2" x 2" x 1"

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

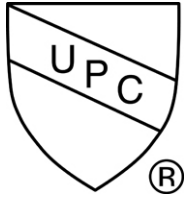
Void After: July 2024

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

Model Number	Description
PR4752213	Uponor PP-RCT Reducing Tee, 2" x 2" x 1 1/4"
PR4752215	Uponor PP-RCT Reducing Tee, 2" x 2" x 1 1/2"
PR4752510	Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 1"
PR4752513	Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 1 1/4"
PR4752515	Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 1 1/2"
PR4752520	Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 2"
PR4753310	Uponor PP-RCT Reducing Tee, 3" x 3" x 1"
PR4753313	Uponor PP-RCT Reducing Tee, 3" x 3" x 1 1/4"
PR4753315	Uponor PP-RCT Reducing Tee, 3" x 3" x 1 1/2"
PR4753320	Uponor PP-RCT Reducing Tee, 3" x 3" x 2"
PR4753325	Uponor PP-RCT Reducing Tee, 3" x 3" x 2 1/2"
PR4754425	Uponor PP-RCT Reducing Tee, 4" x 4" x 2 1/2"
PR4754430	Uponor PP-RCT Reducing Tee, 4" x 4" x 3"
PR4351000	Uponor PP-RCT End Cap, 1"
PR4351250	Uponor PP-RCT End Cap, 1 1/4"
PR4351500	Uponor PP-RCT End Cap, 1 1/2"
PR4352000	Uponor PP-RCT End Cap, 2"
PR4352500	Uponor PP-RCT End Cap, 2 1/2"
PR4353000	Uponor PP-RCT End Cap, 3"
PR4354000	Uponor PP-RCT End Cap, 4"
PR9435600	Uponor PP-RCT End Cap, 6", SDR 9
PR1143560	ponor PP-RCT End Cap, 6", SDR 11
PR1743560	Uponor PP-RCT End Cap, 6", SDR 17.6
PR1743580	Uponor PP-RCT End Cap, 8", SDR 17.6
PR17435100	Uponor PP-RCT End Cap, 10", SDR 17.6
PR17435120	Uponor PP-RCT End Cap, 12", SDR 17.6
PR4782010	Uponor PP-RCT Saddle, 2" x 1", for Outlet Fusion
PR4782510	Uponor PP-RCT Saddle, 2 1/2" x 1", for Outlet Fusion
PR4783010	Uponor PP-RCT Saddle, 3" x 1", for Outlet Fusion

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

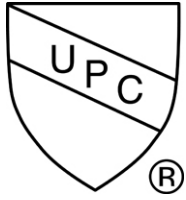
Void After: July 2024

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

Model Number	Description
PR4784010	Uponor PP-RCT Saddle, 4" x 1", for Outlet Fusion
PR4784013	Uponor PP-RCT Saddle, 4" x 1 1/4", for Outlet Fusion
PR4784015	Uponor PP-RCT Saddle, 4" x 1 1/2", for Outlet Fusion
PR4784020	Uponor PP-RCT Saddle, 4" x 2", for Outlet Fusion
PR4786010	Uponor PP-RCT Saddle, 6" x 1", for Outlet Fusion
PR4786013	Uponor PP-RCT Saddle, 6" x 1 1/4", for Outlet Fusion
PR4786015	Uponor PP-RCT Saddle, 6" x 1 1/2", for Outlet Fusion
PR4786020	Uponor PP-RCT Saddle, 6" x 2", for Outlet Fusion
PR4786025	Uponor PP-RCT Saddle, 6" x 2 1/2", for Outlet Fusion
PR4786030	Uponor PP-RCT Saddle, 6" x 3", for Outlet Fusion
PR4788010	Uponor PP-RCT Saddle, 8" x 1", for Outlet Fusion
PR4788015	Uponor PP-RCT Saddle, 8" x 1 1/2", for Outlet Fusion
PR4788020	Uponor PP-RCT Saddle, 8" x 2", for Outlet Fusion
PR4788025	Uponor PP-RCT Saddle, 8" x 2 1/2", for Outlet Fusion
PR4788030	Uponor PP-RCT Saddle, 8" x 3", for Outlet Fusion
PR4788040	Uponor PP-RCT Saddle, 8" x 4", for Outlet Fusion
PR47810010	Uponor PP-RCT Saddle, 10" x 1", for Outlet Fusion
PR47810020	Uponor PP-RCT Saddle, 10" x 2", for Outlet Fusion
PR47810025	Uponor PP-RCT Saddle, 10" x 2 1/2", for Outlet Fusion
PR47810030	Uponor PP-RCT Saddle, 10" x 3", for Outlet Fusion
PR47810040	Uponor PP-RCT Saddle, 10" x 4", for Outlet Fusion
PR47812020	Uponor PP-RCT Saddle, 12" x 2", for Outlet Fusion
PR47812025	Uponor PP-RCT Saddle, 12" x 2 1/2", for Outlet Fusion
PR47812030	Uponor PP-RCT Saddle, 12" x 3", for Outlet Fusion
PR47812040	Uponor PP-RCT Saddle, 12" x 4", for Outlet Fusion
PR4721000	Uponor PP-RCT Brass Union, 1"
PR4721250	Uponor PP-RCT Brass Union, 1 1/4"
PR4721500	Uponor PP-RCT Brass Union, 1 1/2"
PR4722000	Uponor PP-RCT Brass Union, 2"

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

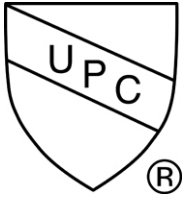
Void After: July 2024

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

Model Number	Description
PR2981500	Uponor PP-RCT Flange Adapter, 1 1/2"
PR2982000	Uponor PP-RCT Flange Adapter, 2"
PR2982500	Uponor PP-RCT Flange Adapter, 2 1/2"
PR1129840	Uponor PP-RCT Flange Adapter, 4", SDR 11, Butt or Socket Fused with Coupling
PR1729840	Uponor PP-RCT Flange Adapter, 4", SDR 17.6, Butt or Socket Fused with Coupling
PR929860	Uponor PP-RCT Flange Adapter, 6", SDR 9
PR1129860	Uponor PP-RCT Flange Adapter, 6", SDR 11
PR1729860	Uponor PP-RCT Flange Adapter, 6", SDR 17.6
PR929880	Uponor PP-RCT Flange Adapter, 8", SDR 9
PR1129880	Uponor PP-RCT Flange Adapter, 8", SDR 11
PR1729880	Uponor PP-RCT Flange Adapter, 8", SDR 17.6
PR17298100	Uponor PP-RCT Flange Adapter, 10", SDR 17.6
PR17298120	Uponor PP-RCT Flange Adapter, 12", SDR 17.6
PR4511010	Uponor ProPEX LF Brass Adapter, 1" PP-RCT x 1" PEX
PR4515050	Uponor ProPEX LF Brass Adapter, 1/2" PP-RCT x 1/2" PEX
PR4517575	Uponor ProPEX LF Brass Adapter, 3/4" PP-RCT x 3/4" PEX
PR4511550	Uponor ProPEX LF Brass Saddle Adapter, 1 1/2" / 3/4" PP-RCT x 1/2" PEX, for Outlet Fusion
PR4512075	Uponor ProPEX LF Brass Saddle Adapter, 2" / 3/4" PP-RCT x 3/4" PEX, for Outlet Fusion
PR4571075	Uponor LF Brass Female Threaded Adapter, 1" PP-RCT x 3/4" NPT
PR4571010	Uponor LF Brass Female Threaded Adapter, 1" PP-RCT x 1" NPT
PR4571310	Uponor LF Brass Female Threaded Adapter, 1 1/4" PP-RCT x 1" NPT
PR4571313	Uponor LF Brass Female Threaded Adapter, 1 1/4" PP-RCT x 1 1/4" NPT
PR4571515	Uponor LF Brass Female Threaded Adapter, 1 1/2" PP-RCT x 1 1/2" NPT
PR4572020	Uponor LF Brass Female Threaded Adapter, 2" PP-RCT x 2" NPT
PR4521010	Uponor LF Brass Male Threaded Adapter, 1" PP-RCT x 1" NPT
PR4521313	Uponor LF Brass Male Threaded Adapter, 1 1/4" PP-RCT x 1 1/4" NPT
PR4521515	Uponor LF Brass Male Threaded Adapter, 1 1/2" PP-RCT x 1 1/2" NPT
PR4522020	Uponor LF Brass Male Threaded Adapter, 2" PP-RCT x 2" NPT
PR6071000	Uponor PP-RCT Repair Plug

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

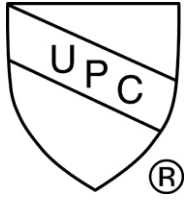
Void After: July 2024

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

Model Number	Description
PR6041000	Uponor PP-RCT Marking Guide
PR7231350	1/2" Uponor PP-RCT Mechanical Pipe, SDR 7.4 with Fiber, 13-ft. straight length
PR7231375	3/4" Uponor PP-RCT Mechanical Pipe, SDR 7.4 with Fiber, 13-ft. straight length
PR7221350	1/2" Uponor PP-RCT Hot Potable Pipe, SDR 7.4 with Fiber, 13-ft. straight length
PR7221375	3/4" Uponor PP-RCT Hot Potable Pipe, SDR 7.4 with Fiber, 13-ft. straight length
PR72213500	1/2" Uponor PP-RCT Cold Potable Pipe, SDR 7.4, 13-ft. straight length
PR72213750	3/4" Uponor PP-RCT Cold Potable Pipe, SDR 7.4, 13-ft. straight length
PR4775050	Uponor PP-RCT Coupling, 1/2" x 1/2"
PR4777575	Uponor PP-RCT Coupling, 3/4" x 3/4"
PR4777550	Uponor PP-RCT Fitting Reducer, 3/4" x 1/2"
PR4771050	Uponor PP-RCT Fitting Reducer, 1" x 1/2"
PR4771075	Uponor PP-RCT Fitting Reducer, 1" x 3/4"
PR4771575	Uponor PP-RCT Fitting Reducer, 1 1/2" x 3/4"
PR4772075	Uponor PP-RCT Fitting Reducer, 2" x 3/4"
PR4772550	Uponor PP-RCT Fitting Reducer, 2 1/2" x 1/2"
PR4772575	Uponor PP-RCT Fitting Reducer, 2 1/2" x 3/4"
PR4439050	Uponor PP-RCT 90 Street Elbow, 1/2" x 1/2"
PR4439075	Uponor PP-RCT 90 Street Elbow, 3/4" x 3/4"
PR4439010	Uponor PP-RCT 90 Street Elbow, 1" x 1"
PR4434550	Uponor PP-RCT 45 Street Elbow, 1/2" x 1/2"
PR4434575	Uponor PP-RCT 45 Street Elbow, 3/4" x 3/4"
PR4434510	Uponor PP-RCT 45 Street Elbow, 1" x 1"
PR4769050	Uponor PP-RCT 90 Elbow, 1/2" x 1/2"
PR4769075	Uponor PP-RCT 90 Elbow, 3/4" x 3/4"
PR4764550	Uponor PP-RCT 45 Elbow, 1/2" x 1/2"
PR4764575	Uponor PP-RCT 45 Elbow, 3/4" x 3/4"
PR4755050	Uponor PP-RCT Tee, 1/2" x 1/2" x 1/2"
PR4757575	Uponor PP-RCT Tee, 3/4" x 3/4" x 3/4"
PR4755075	Uponor PP-RCT Reducing Tee, 1/2" x 1/2" x 3/4"

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

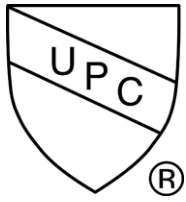
Void After: July 2024

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

Model Number	Description
PR4757550	Uponor PP-RCT Reducing Tee, 3/4" x 3/4" x 1/2"
PR4751550	Uponor PP-RCT Reducing Tee, 1" x 1/2" x 1/2"
PR4751150	Uponor PP-RCT Reducing Tee, 1" x 1" x 1/2"
PR4751775	Uponor PP-RCT Reducing Tee, 1" x 3/4" x 3/4"
PR4751175	Uponor PP-RCT Reducing Tee, 1" x 1" x 3/4"
PR4751350	Uponor PP-RCT Reducing Tee, 1 1/4" x 1 1/4" x 1/2"
PR4751375	Uponor PP-RCT Reducing Tee, 1 1/4" x 1 1/4" x 3/4"
PR4751575	Uponor PP-RCT Reducing Tee, 1 1/2" x 1 1/2" x 3/4"
PR4752575	Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 3/4"
PR4350500	Uponor PP-RCT End Cap, 1/2"
PR4350750	Uponor PP-RCT End Cap, 3/4"
PR4781350	Uponor PP-RCT Saddle, 1 1/4" x 1/2",for Outlet Fusion
PR4781375	Uponor PP-RCT Saddle, 1 1/4" x 3/4",for Outlet Fusion
PR4781550	Uponor PP-RCT Saddle, 1 1/2" x 1/2",for Outlet Fusion
PR4781575	Uponor PP-RCT Saddle, 1 1/2" x 3/4",for Outlet Fusion
PR4782050	Uponor PP-RCT Saddle, 2" x 1/2",for Outlet Fusion
PR4782075	Uponor PP-RCT Saddle, 2" x 3/4",for Outlet Fusion
PR4782550	Uponor PP-RCT Saddle, 2 1/2" x 1/2",for Outlet Fusion
PR4782575	Uponor PP-RCT Saddle, 2 1/2" x 3/4",for Outlet Fusion
PR4783050	Uponor PP-RCT Saddle, 3" x 1/2",for Outlet Fusion
PR4783075	Uponor PP-RCT Saddle, 3" x 3/4",for Outlet Fusion
PR4784050	Uponor PP-RCT Saddle, 4" x 1/2",for Outlet Fusion
PR4784075	Uponor PP-RCT Saddle, 4" x 3/4",for Outlet Fusion
PR4485050	Uponor PP-RCT Crossover, Molded, 1/2" x 1/2"
PR4487575	Uponor PP-RCT Crossover, Molded, 3/4" x 3/4"
PR4481010	Uponor PP-RCT Crossover, Molded, 1" x 1"
PR4720500	Uponor PP-RCT Brass Union, 1/2"
PR4720750	Uponor PP-RCT Brass Union, 3/4"
PR4575050	Uponor LF Brass Female Threaded Adapter, 1/2" PP-RCT x 1/2" NPT

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

File Number: 8358

Product: Pressure Rated Polypropylene Piping Systems

Effective Date: July 2019

Revised Date: June 15, 2023

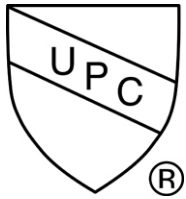
Void After: July 2024

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

Model Number	Description
PR4575075	Uponor LF Brass Female Threaded Adapter, 1/2" PP-RCT x 3/4" NPT
PR4577550	Uponor LF Brass Female Threaded Adapter, 3/4" PP-RCT x 1/2" NPT
PR4577575	Uponor LF Brass Female Threaded Adapter, 3/4" PP-RCT x 3/4" NPT
PR4525050	Uponor LF Brass Male Threaded Adapter, 1/2" PP-RCT x 1/2" NPT
PR4527550	Uponor LF Brass Male Threaded Adapter, 3/4" PP-RCT x 1/2" NPT
PR4527575	Uponor LF Brass Male Threaded Adapter, 3/4" PP-RCT x 3/4" NPT
PR4521075	Uponor LF Brass Male Threaded Adapter, 1" PP-RCT x 3/4" NPT
PR5575050	Uponor Brass Female Threaded Adapter, 1/2" PP-RCT x 1/2" NPT
PR5577550	Uponor Brass Female Threaded Adapter, 3/4" PP-RCT x 1/2" NPT
PR5577575	Uponor Brass Female Threaded Adapter, 3/4" PP-RCT x 3/4" NPT
PR5571075	Uponor Brass Female Threaded Adapter, 1" PP-RCT x 3/4" NPT
PR5571010	Uponor Brass Female Threaded Adapter, 1" PP-RCT x 1" NPT
PR5571310	Uponor Brass Female Threaded Adapter, 1 1/4" PP-RCT x 1" NPT
PR5571313	Uponor Brass Female Threaded Adapter, 1 1/4" PP-RCT x 1 1/4" NPT
PR5571515	Uponor Brass Female Threaded Adapter, 1 1/2" PP-RCT x 1 1/2" NPT
PR5572020	Uponor Brass Female Threaded Adapter, 2" PP-RCT x 2" NPT
PR5525050	Uponor Brass Male Threaded Adapter, 1/2" PP-RCT x 1/2" NPT
PR5527575	Uponor Brass Male Threaded Adapter, 3/4" PP-RCT x 3/4" NPT
PR5521010	Uponor Brass Male Threaded Adapter, 1" PP-RCT x 1" NPT
PR5521313	Uponor Brass Male Threaded Adapter, 1 1/4" PP-RCT x 1 1/4" NPT
PR5521515	Uponor Brass Male Threaded Adapter, 1 1/2" PP-RCT x 1 1/2" NPT
PR5522020	Uponor Brass Male Threaded Adapter, 2" PP-RCT x 2" NPT
PR9231925	2 1/2" Uponor PP-RCT Mechanical Pipe, SDR 9 with Fiber, 19-ft. straight length
PR9231930	3" Uponor PP-RCT Mechanical Pipe, SDR 9 with Fiber, 19-ft. straight length
PR9231940	4" Uponor PP-RCT Mechanical Pipe, SDR 9 with Fiber, 19-ft. straight length
PR11231925	2 1/2" Uponor PP-RCT Mechanical Pipe, SDR 11 with Fiber, 19-ft. straight length
PR11231930	3" Uponor PP-RCT Mechanical Pipe, SDR 11 with Fiber, 19-ft. straight length
PR114774025	Uponor PP-RCT Fitting Reducer, 4" x 2 1/2", SDR 11
PR174774025	Uponor PP-RCT Fitting Reducer, 4" x 2 1/2", SDR 17.6

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

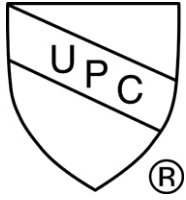
Void After: July 2024

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

Model Number	Description
PR114774030	Uponor PP-RCT Fitting Reducer, 4" x 3", SDR 11
PR174774030	Uponor PP-RCT Fitting Reducer, 4" x 3", SDR 17.6
PR2982525	Uponor PP-RCT Flange Adapter, 2 1/2", for Butterfly Valves
PR2983030	Uponor PP-RCT Flange Adapter, 3", for Butterfly Valves
PR929840	Uponor PP-RCT Flange Adapter, 4", SDR 9, Butt or Socket Fused with Coupling
PR4771350	Uponor PP-RCT Fitting Reducer, 1 1/4" x 1/2"
PR4771375	Uponor PP-RCT Fitting Reducer, 1 1/4" x 3/4"
PR4771550	Uponor PP-RCT Fitting Reducer, 1 1/2" x 1/2"
PR1147690600	Uponor PP-RCT 90 Elbow, Mechanical, 6" x 6", SDR 11
PR947690800	Uponor PP-RCT 90 Elbow, Mechanical, 8" x 8", SDR 9
PR1147645600	Uponor PP-RCT 45 Elbow, Mechanical, 6" x 6", SDR 11
PR947560	Uponor PP-RCT Tee, Hot Potable, 6" x 6" x 6", SDR 9
PR9475600	Uponor PP-RCT Tee, Mechanical, 6" x 6" x 6", SDR 9
PR1147560	Uponor PP-RCT Tee, Cold Potable, 6" x 6" x 6", SDR 11
PR11475600	Uponor PP-RCT Tee, Mechanical, 6" x 6" x 6", SDR 11
PR17475600	Uponor PP-RCT Tee, Mechanical, 6" x 6" x 6", SDR 17.6
PR1147580	Uponor PP-RCT Tee, Cold Potable, 8" x 8" x 8", SDR 11
PR9475800	Uponor PP-RCT Tee, Mechanical, 8" x 8" x 8", SDR 9
PR17475800	Uponor PP-RCT Tee, Mechanical, 8" x 8" x 8", SDR 17.6
PR17475100	Uponor PP-RCT Tee, Mechanical, 10" x 10" x 10", SDR 17.6
PR17475120	Uponor PP-RCT Tee, Mechanical, 12" x 12" x 12", SDR 17.6
PR94756640	Uponor PP-RCT Reducing Tee, Hot Potable, 6" x 6" x 4", SDR 9
PR947566400	Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 4", SDR 9
PR114756640	Uponor PP-RCT Reducing Tee, Cold Potable, 6" x 6" x 4", SDR 11
PR1147566400	Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 4", SDR 11
PR1747566400	Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 4", SDR 17.6
PR114758840	Uponor PP-RCT Reducing Tee, Cold Potable, 8" x 8" x 4", SDR 11
PR1747588400	Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 4", SDR 17.6
PR11231940	4" Uponor PP-RCT Mechanical Pipe, SDR 11 with Fiber, 19-ft. straight length

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

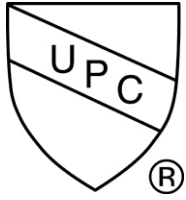
Void After: July 2024

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

Model Number	Description
PR11231960	6" Uponor PP-RCT Mechanical Pipe, SDR 11 with Fiber, 19-ft. straight length
PR11231980	8" Uponor PP-RCT Mechanical Pipe, SDR 11 with Fiber, 19-ft. straight length
PR112319100	10" Uponor PP-RCT Mechanical Pipe, SDR 11 with Fiber, 19-ft. straight length
PR112319120	12" Uponor PP-RCT Mechanical Pipe, SDR 11 with Fiber, 19-ft. straight length
PR94764561	Uponor PP-RCT 45 Elbow, Mechanical, 6" x 6", SDR 9, Short Radius
PR114764561	Uponor PP-RCT 45 Elbow, Mechanical, 6" x 6", SDR 11, Short Radius
PR1747645600	Uponor PP-RCT 45 Elbow, Mechanical, 6" x 6", SDR 17.6, Short Radius
PR94764581	Uponor PP-RCT 45 Elbow, Mechanical, 8" x 8", SDR 9, Short Radius
PR114764581	Uponor PP-RCT 45 Elbow, Mechanical, 8" x 8", SDR 11, Short Radius
PR1747645800	Uponor PP-RCT 45 Elbow, Mechanical, 8" x 8", SDR 17.6, Short Radius
PR947645100	Uponor PP-RCT 45 Elbow, Mechanical, 10" x 10", SDR 9, Short Radius
PR1147645100	Uponor PP-RCT 45 Elbow, Mechanical, 10" x 10", SDR 11, Short Radius
PR1747645100	Uponor PP-RCT 45 Elbow, Mechanical, 10" x 10", SDR 17.6, Short Radius
PR947645120	Uponor PP-RCT 45 Elbow, Mechanical, 12" x 12", SDR 9, Short Radius
PR1147645120	Uponor PP-RCT 45 Elbow, Mechanical, 12" x 12", SDR 11, Short Radius
PR1747645120	Uponor PP-RCT 45 Elbow, Mechanical, 12" x 12", SDR 17.6, Short Radius
PR947690120	Uponor PP-RCT 90 Elbow, Mechanical, 12" x 12", SDR 9, Short Radius
PR1147690120	Uponor PP-RCT 90 Elbow, Mechanical, 12" x 12", SDR 11, Short Radius
PR1747690120	Uponor PP-RCT 90 Elbow, Mechanical, 12" x 12", SDR 17.6, Short Radius
PR94769061	Uponor PP-RCT 90 Elbow, Mechanical, 6" x 6", SDR 9, Short Radius
PR114769061	Uponor PP-RCT 90 Elbow, Mechanical, 6" x 6", SDR 11, Short Radius
PR1747690600	Uponor PP-RCT 90 Elbow, Mechanical, 6" x 6", SDR 17.6, Short Radius
PR94769081	Uponor PP-RCT 90 Elbow, Mechanical, 8" x 8", SDR 9, Short Radius
PR114769081	Uponor PP-RCT 90 Elbow, Mechanical, 8" x 8", SDR 11, Short Radius
PR1747690800	Uponor PP-RCT 90 Elbow, Mechanical, 8" x 8", SDR 17.6, Short Radius
PR94769010	Uponor PP-RCT 90 Elbow, Mechanical, 10" x 10", SDR 9, Short Radius
PR114769010	Uponor PP-RCT 90 Elbow, Mechanical, 10" x 10", SDR 11, Short Radius
PR1747690100	Uponor PP-RCT 90 Elbow, Mechanical, 10" x 10", SDR 17.6, Short Radius
PR943580	Uponor PP-RCT End Cap, 8", SDR 9

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

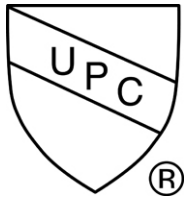
Void After: July 2024

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

Model Number	Description
PR1143580	Uponor PP-RCT End Cap, 8", SDR 11
PR9435100	Uponor PP-RCT End Cap, 10", SDR 9
PR11435100	Uponor PP-RCT End Cap, 10", SDR 11
PR9435120	Uponor PP-RCT End Cap, 12", SDR 9
PR11435120	Uponor PP-RCT End Cap, 12", SDR 11
PR9298100	Uponor PP-RCT Flange Adapter, 10", SDR 9
PR11298100	Uponor PP-RCT Flange Adapter, 10", SDR 11
PR9298120	Uponor PP-RCT Flange Adapter, 12", SDR 9
PR11298120	Uponor PP-RCT Flange Adapter, 12", SDR 11
PR94771060	Uponor PP-RCT Reducer, 10" x 6", SDR 9
PR114771060	Uponor PP-RCT Reducer, 10" x 6", SDR 11
PR94771080	Uponor PP-RCT Reducer, 10" x 8", SDR 9
PR114771080	Uponor PP-RCT Reducer, 10" x 8", SDR 11
PR94771280	Uponor PP-RCT Reducer, 12" x 8", SDR 9
PR114771280	Uponor PP-RCT Reducer, 12" x 8", SDR 11
PR94771210	Uponor PP-RCT Reducer, 12" x 10", SDR 9
PR114771210	Uponor PP-RCT Reducer, 12" x 10", SDR 11
PR4791550	Uponor PP-RCT Transition Saddle, 1 1/2" x 1/2", Female NPT, for Outlet Fusion
PR4792050	Uponor PP-RCT Transition Saddle, 2" x 1/2", Female NPT, for Outlet Fusion
PR4792550	Uponor PP-RCT Transition Saddle, 2 1/2" x 1/2", Female NPT, for Outlet Fusion
PR4793050	Uponor PP-RCT Transition Saddle, 3" x 1/2", Female NPT, for Outlet Fusion
PR4794050	Uponor PP-RCT Transition Saddle, 4" x 1/2", Female NPT, for Outlet Fusion
PR4796050	Uponor PP-RCT Transition Saddle, 6" x 1/2", Female NPT, for Outlet Fusion
PR4798050	Uponor PP-RCT Transition Saddle, 8" x 1/2", Female NPT, for Outlet Fusion
PR47910050	Uponor PP-RCT Transition Saddle, 10" x 1/2", Female NPT, for Outlet Fusion
PR4791575	Uponor PP-RCT Transition Saddle, 1 1/2" x 3/4", Female NPT, for Outlet Fusion
PR4792075	Uponor PP-RCT Transition Saddle, 2" x 3/4", Female NPT, for Outlet Fusion
PR4792575	Uponor PP-RCT Transition Saddle, 2 1/2" x 3/4", Female NPT, for Outlet Fusion
PR4793075	Uponor PP-RCT Transition Saddle, 3" x 3/4", Female NPT, for Outlet Fusion

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

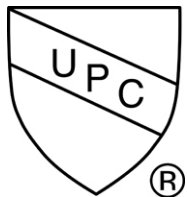
Void After: July 2024

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

Model Number	Description
PR4794075	Uponor PP-RCT Transition Saddle, 4" x 3/4", Female NPT, for Outlet Fusion
PR4796075	Uponor PP-RCT Transition Saddle, 6" x 3/4", Female NPT, for Outlet Fusion
PR4798075	Uponor PP-RCT Transition Saddle, 8" x 3/4", Female NPT, for Outlet Fusion
PR47910075	Uponor PP-RCT Transition Saddle, 10" x 3/4", Female NPT, for Outlet Fusion
PR4792510	Uponor PP-RCT Transition Saddle, 2 1/2" x 1", Female NPT, for Outlet Fusion
PR4793010	Uponor PP-RCT Transition Saddle, 3" x 1", Female NPT, for Outlet Fusion
PR4794010	Uponor PP-RCT Transition Saddle, 4" x 1", Female NPT, for Outlet Fusion
PR4796010	Uponor PP-RCT Transition Saddle, 6" x 1", Female NPT, for Outlet Fusion
PR4798010	Uponor PP-RCT Transition Saddle, 8" x 1", Female NPT, for Outlet Fusion
PR47910010	Uponor PP-RCT Transition Saddle, 10" x 1", Female NPT, for Outlet Fusion
PR4782513	Uponor PP-RCT Saddle, 2 1/2" x 1 1/4", for Outlet Fusion
PR4783013	Uponor PP-RCT Saddle, 3" x 1 1/4", for Outlet Fusion
PR4786050	Uponor PP-RCT Saddle, 6" x 1/2", for Outlet Fusion
PR947580	Uponor PP-RCT Tee, Hot Potable, 8" x 8" x 8", SDR 9
PR94758840	Uponor PP-RCT Reducing Tee, Hot Potable, 8" x 8" x 4", SDR 9
PR94758860	Uponor PP-RCT Reducing Tee, Hot Potable, 8" x 8" x 6", SDR 9
PR114758860	Uponor PP-RCT Reducing Tee, Cold Potable, 8" x 8" x 6", SDR 9
PR4786075	Uponor PP-RCT Saddle, 6" x 3/4", for Outlet Fusion
PR4788050	Uponor PP-RCT Saddle, 8" x 1/2", for Outlet Fusion
PR4788075	Uponor PP-RCT Saddle, 8" x 3/4", for Outlet Fusion
PR4788013	Uponor PP-RCT Saddle, 8" x 1 1/4", for Outlet Fusion
PR47810050	Uponor PP-RCT Saddle, 10" x 1/2", for Outlet Fusion
PR47810075	Uponor PP-RCT Saddle, 10" x 3/4", for Outlet Fusion
PR47810013	Uponor PP-RCT Saddle, 10" x 1 1/4", for Outlet Fusion
PR47810015	Uponor PP-RCT Saddle, 10" x 1 1/2", for Outlet Fusion
PR114764510	Uponor PP-RCT 45 Elbow, Mechanical, 10" x 10", SDR 11
PR114764512	Uponor PP-RCT 45 Elbow, Mechanical, 12" x 12", SDR 11
PR114764582	Uponor PP-RCT 45 Elbow, Cold Potable, 8" x 8", SDR 11, Short Radius
PR94764583	Uponor PP-RCT 45 Elbow, Hot Potable, 8" x 8", SDR 9, Short Radius

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

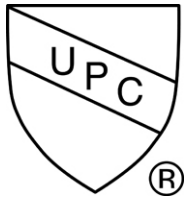
Void After: July 2024

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

Model Number	Description
PR1147690100	Uponor PP-RCT 90 Elbow, Mechanical, 10" x 10", SDR 11
PR114769082	Uponor PP-RCT 90 Elbow, Cold Potable, 8" x 8", SDR 11, Short Radius
PR94769083	Uponor PP-RCT 90 Elbow, Hot Potable, 8" x 8", SDR 11, Short Radius
PR11475800	Uponor PP-RCT Tee, Mechanical, 8" x 8" x 8", SDR 11
PR11475100	Uponor PP-RCT Tee, Mechanical, 10" x 10" x 10", SDR 11
PR11475120	Uponor PP-RCT Tee, Mechanical, 12" x 12" x 12", SDR 11
PR1147645800	Uponor PP-RCT 45 Elbow, Mechanical, 8" x 8", SDR 11
PR94764510	Uponor PP-RCT 45 Elbow, Mechanical, 10" x 10", SDR 9
PR94764512	Uponor PP-RCT 45 Elbow, Mechanical, 12" x 12", SDR 9
PR947645800	Uponor PP-RCT 45 Elbow, Mechanical, 8" x 8", SDR 9
PR114764562	Uponor PP-RCT 45 Elbow, Cold Potable, 6" x 6", SDR 11, Short Radius
PR94764563	Uponor PP-RCT 45 Elbow, Hot Potable, 6" x 6", SDR 9, Short Radius
PR1147690800	Uponor PP-RCT 90 Elbow, Mechanical, 8" x 8", SDR 11
PR947690100	Uponor PP-RCT 90 Elbow, Mechanical, 10" x 10", SDR 9
PR114769012	Uponor PP-RCT 90 Elbow, Mechanical, 12" x 12", SDR 11
PR94769012	Uponor PP-RCT 90 Elbow, Mechanical, 12" x 12", SDR 9
PR114769062	Uponor PP-RCT 90 Elbow, Cold Potable, 6" x 6", SDR 11, Short Radius
PR94769063	Uponor PP-RCT 90 Elbow, Hot Potable, 6" x 6", SDR 9, Short Radius
PR2981000	Uponor PP-RCT Flange Adapter, 1"
PR2981250	Uponor PP-RCT Flange Adapter, 1 1/4"
PR9475100	Uponor PP-RCT Tee, Mechanical, 10" x 10" x 10", SDR 9
PR9475120	Uponor PP-RCT Tee, Mechanical, 12" x 12" x 12", SDR 9
PR114851025	Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 2 1/2", SDR 11, Butt to Socket Fusion
PR174851025	Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 2 1/2", SDR 17.6, Butt to Socket Fusion
PR9485101025	Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 2 1/2", SDR 9, Butt to Socket Fusion
PR114851030	Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 3", SDR 11, Butt to Socket Fusion
PR174851030	Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 3", SDR 17.6, Butt to Socket Fusion
PR9485101030	Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 3", SDR 9, Butt to Socket Fusion
PR114851040	Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 4", SDR 11, Butt to Socket Fusion

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

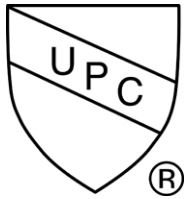
Void After: July 2024

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

Model Number	Description
PR174851040	Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 4", SDR 17.6, Butt to Socket Fusion
PR9485101040	Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 4", SDR 9, Butt to Socket Fusion
PR114751060	Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 6", SDR 11
PR174751060	Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 6", SDR 17.6
PR9475101060	Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 6", SDR 9
PR114751080	Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 8", SDR 11
PR174751080	Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 8", SDR 17.6
PR9475101080	Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 8", SDR 9
PR114851230	Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 3", SDR 11, Butt to Socket Fusion
PR174851230	Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 3", SDR 17.6, Butt to Socket Fusion
PR9485121230	Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 3", SDR 9, Butt to Socket Fusion
PR114851240	Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 4", SDR 11, Butt to Socket Fusion
PR174851240	Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 4", SDR 17.6, Butt to Socket Fusion
PR9485121240	Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 4", SDR 9, Butt to Socket Fusion
PR114751210	Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 10", SDR 11
PR174751210	Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 10", SDR 17.6
PR9475121210	Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 10", SDR 9
PR1147512128	Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 8", SDR 11
PR1747512128	Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 8", SDR 17.6
PR947512128	Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 8", SDR 9
PR4752275	Uponor PP-RCT Reducing Tee, 2" x 2" x 3/4"
PR114856625	Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 2 1/2", SDR 11, Butt to Socket Fusion
PR174856625	Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 2 1/2", SDR 17.6, Butt to Socket Fusion
PR94856625	Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 2 1/2", SDR 9, Butt to Socket Fusion
PR1148566252	Uponor PP-RCT Reducing Tee, Cold Potable, 6" x 6" x 2 1/2", SDR 11, Butt to Socket Fusion
PR948566253	Uponor PP-RCT Reducing Tee, Hot Potable, 6" x 6" x 2 1/2", SDR 9, Butt to Socket Fusion
PR114856630	Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 3", SDR 11, Butt to Socket Fusion
PR174856630	Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 3", SDR 17.6, Butt to Socket Fusion
PR94856630	Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 3", SDR 9, Butt to Socket Fusion

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

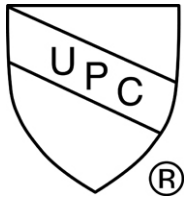
Void After: July 2024

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

Model Number	Description
PR114856632	Uponor PP-RCT Reducing Tee, Cold Potable, 6" x 6" x 3", SDR 11, Butt to Socket Fusion
PR94856633	Uponor PP-RCT Reducing Tee, Hot Potable, 6" x 6" x 3", SDR 9, Butt to Socket Fusion
PR114858825	Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 2½", SDR 11, Butt to Socket Fusion
PR174858825	Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 2½", SDR 17.6, Butt to Socket Fusion
PR94858825	Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 2½", SDR 9, Butt to Socket Fusion
PR1148588252	Uponor PP-RCT Reducing Tee, Cold Potable, 8" x 8" x 2½", SDR 11, Butt to Socket Fusion
PR948588253	Uponor PP-RCT Reducing Tee, Hot Potable, 8" x 8" x 2½", SDR 9, Butt to Socket Fusion
PR114858832	Uponor PP-RCT Reducing Tee, Cold Potable, 8" x 8" x 3", SDR 11, Butt to Socket Fusion
PR94858833	Uponor PP-RCT Reducing Tee, Hot Potable, 8" x 8" x 3", SDR 9, Butt to Socket Fusion
PR114858830	Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 3", SDR 11, Butt to Socket Fusion
PR174858830	Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 3", SDR 17.6, Butt to Socket Fusion
PR94858830	Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 3", SDR 9, Butt to Socket Fusion
PR1147588400	Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 4", SDR 11
PR94858840	Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 4", SDR 9, Butt to Socket Fusion
PR947588400	Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 4", SDR 9
PR94858843	Uponor PP-RCT Reducing Tee, Hot Potable, 8" x 8" x 4", SDR 9, Butt to Socket Fusion
PR1147588600	Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 6", SDR 11
PR174758860	Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 6", SDR 17.6
PR947588600	Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 6", SDR 9
PR92319100	10" Uponor PP-RCT Mechanical Pipe, SDR 9 with Fiber, 19-ft. straight length
PR92319120	12" Uponor PP-RCT Mechanical Pipe, SDR 9 with Fiber, 19-ft. straight length
PR9231980	8" Uponor PP-RCT Mechanical Pipe, SDR 9 with Fiber, 19-ft. straight length
PR4781260	Uponor PP-RCT Saddle, 12" x 6", for Outlet Fusion
PR4811550	Uponor PP-RCT Transition Saddle, 1½" x ½", Male NPT, for Outlet Fusion
PR4811575	Uponor PP-RCT Transition Saddle, 1½" x ¾", Male NPT, for Outlet Fusion
PR4812050	Uponor PP-RCT Transition Saddle, 2" x ½", Male NPT, for Outlet Fusion
PR4812075	Uponor PP-RCT Transition Saddle, 2" x ¾", Male NPT, for Outlet Fusion
PR4812550	Uponor PP-RCT Transition Saddle, 2½" x ½", Male NPT, for Outlet Fusion
PR4812575	Uponor PP-RCT Transition Saddle, 2½" x ¾", Male NPT, for Outlet Fusion

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: PESTAN NORTH AMERICA

Effective Date: July 2019

File Number: 8358

Revised Date: June 15, 2023

Product: Pressure Rated Polypropylene Piping Systems

Void After: July 2024

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

Model Number	Description
PR5792510	Uponor PP-RCT LF Transition Saddle, 2½" x 1", Female NPT, for Outlet Fusion
PR4813050	Uponor PP-RCT Transition Saddle, 3" x ½", Male NPT, for Outlet Fusion
PR4813075	Uponor PP-RCT Transition Saddle, 3" x ¾", Male NPT, for Outlet Fusion
PR5793010	Uponor PP-RCT LF Transition Saddle, 3" x 1", Female NPT, for Outlet Fusion
PR4814050	Uponor PP-RCT Transition Saddle, 4" x ½", Male NPT, for Outlet Fusion
PR4814075	Uponor PP-RCT Transition Saddle, 4" x ¾", Male NPT, for Outlet Fusion
PR5794010	Uponor PP-RCT LF Transition Saddle, 4" x 1", Female NPT, for Outlet Fusion
PR4816050	Uponor PP-RCT Transition Saddle, 6" x ½", Male NPT, for Outlet Fusion
PR4816075	Uponor PP-RCT Transition Saddle, 6" x ¾", Male NPT, for Outlet Fusion
PR5796010	Uponor PP-RCT LF Transition Saddle, 6" x 1", Female NPT, for Outlet Fusion
PR57910050	Uponor PP-RCT LF Transition Saddle, 10" x ½", Female NPT, for Outlet Fusion
PR57910075	Uponor PP-RCT LF Transition Saddle, 10" x ¾", Female NPT, for Outlet Fusion
PR57910010	Uponor PP-RCT LF Transition Saddle, 10" x 1", Female NPT, for Outlet Fusion
PR5791575	Uponor PP-RCT LF Transition Saddle, 1½" x ¾", Female NPT, for Outlet Fusion
PR5792050	Uponor PP-RCT LF Transition Saddle, 2" x ½", Female NPT, for Outlet Fusion
PR5792075	Uponor PP-RCT LF Transition Saddle, 2" x ¾", Female NPT, for Outlet Fusion
PR5792550	Uponor PP-RCT LF Transition Saddle, 2½" x ½", Female NPT, for Outlet Fusion
PR5792575	Uponor PP-RCT LF Transition Saddle, 2½" x ¾", Female NPT, for Outlet Fusion
PR5793050	Uponor PP-RCT LF Transition Saddle, 3" x ½", Female NPT, for Outlet Fusion
PR5793075	Uponor PP-RCT LF Transition Saddle, 3" x ¾", Female NPT, for Outlet Fusion
PR5794050	Uponor PP-RCT LF Transition Saddle, 4" x ½", Female NPT, for Outlet Fusion
PR5794075	Uponor PP-RCT LF Transition Saddle, 4" x ¾", Female NPT, for Outlet Fusion
PR5796050	Uponor PP-RCT LF Transition Saddle, 6" x ½", Female NPT, for Outlet Fusion
PR5796075	Uponor PP-RCT LF Transition Saddle, 6" x ¾", Female NPT, for Outlet Fusion
PR5798050	Uponor PP-RCT LF Transition Saddle, 8" x ½", Female NPT, for Outlet Fusion
PR5798075	Uponor PP-RCT LF Transition Saddle, 8" x ¾", Female NPT, for Outlet Fusion
PR5798010	Uponor PP-RCT LF Transition Saddle, 8" x 1", Female NPT, for Outlet Fusion