

Uponor PP-RCT reducing tees, hot potable (butt to socket fusion)



Project Information

Job name:	Location:
Engineer:	Date submitted:
Contractor:	Submitted by:
Manufacturer's representative:	Approved by:

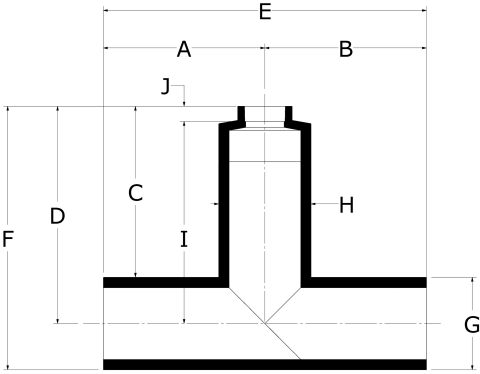
Technical data

Material	PP-RCT
Temp/pressure ratings	73 °F (23 °C) at 265 psi (18.27 bar)
	140 °F (60 °C) at 150 psi (10.34 bar)
	180 °F (82 °C) at 100 psi (6.9 bar)

Product Information and application use

Use Uponor PP-RCT hot potable pipe to convey water for hot potable plumbing applications. The fiber layer coextruded into the mid-wall of the pipe to reduce expansion/contraction with temperature changes also makes the pipe acceptable for use in hydronic heating and cooling applications.

Note: Temperature and pressure ratings stated are hydrostatic ratings. For domestic hot-water (DHW) and DHW recirculation installations, operating conditions should not exceed 140°F (60°C) at 80 psi (5.5 bar) in accordance with ASTM F2023. For additional information regarding application-specific temperature and pressure ratings, refer to the Uponor PP-RCT Piping Systems Manual, the Uponor PP-RCT Piping Systems Installation Guide, and the Uponor PP-RCT DHW Systems Design, Installation, and Operation Guidelines.



Part name	Part no.	A [inch]	B [inch]	C [inch]	D [inch]	E [inch]	F [inch]	G [inch]	H [inch]	I [inch]	J [inch]
Uponor PP-RCT Reducing Tee, Hot Potable, 6" x 6" x 2 1/2", SDR 9, Butt to Socket Fusion	PR948566253	12.598	12.598	14.173	17.323	25.197	20.472	6.299	6.299	16.142	1.181
Uponor PP-RCT Reducing Tee, Hot Potable, 6" x 6" x 3", SDR 9, Butt to Socket Fusion	PR94856633	12.598	12.598	14.173	17.323	25.197	20.472	6.299	6.299	16.024	1.299
Uponor PP-RCT Reducing Tee, Hot Potable, 8" x 8" x 2 1/2", SDR 9, Butt to Socket Fusion	PR948588253	13.78	13.78	14.567	18.504	27.559	22.441	7.874	7.874	17.323	1.181
Uponor PP-RCT Reducing Tee, Hot Potable, 8" x 8" x 3", SDR 9, Butt to Socket Fusion	PR94858833	13.78	13.78	14.567	18.504	27.559	22.441	7.874	7.874	17.205	1.299
Uponor PP-RCT Reducing Tee, Hot Potable, 8" x 8" x 4", SDR 9, Butt to Socket Fusion	PR94858843	13.78	13.78	14.567	18.504	27.559	22.441	7.874	7.874	16.929	1.575

Part name	Part no.	Equivalent length branch [ft]	Equivalent length through [ft]	End Type 1	End Type 2	End Type 3	Weight per UOM [lbs/UOM]
Uponor PP-RCT Reducing Tee, Hot Potable, 6" x 6" x 2 1/2", SDR 9, Butt to Socket Fusion	PR948566253	35.4	5	Butt 6"	Butt 6"	Socket 2-1/2"	15.68
Uponor PP-RCT Reducing Tee, Hot Potable, 6" x 6" x 3", SDR 9, Butt to Socket Fusion	PR94856633	33.4	5	Butt 6"	Butt 6"	Socket 3"	15.72
Uponor PP-RCT Reducing Tee, Hot Potable, 8" x 8" x 2 1/2", SDR 9, Butt to Socket Fusion	PR948588253	44.3	6.2	Butt 8"	Butt 8"	Socket 2-1/2"	26.28
Uponor PP-RCT Reducing Tee, Hot Potable, 8" x 8" x 3", SDR 9, Butt to Socket Fusion	PR94858833	45.6	6.2	Butt 8"	Butt 8"	Socket 3"	26.22
Uponor PP-RCT Reducing Tee, Hot Potable, 8" x 8" x 4", SDR 9, Butt to Socket Fusion	PR94858843	43.3	6.2	Butt 8"	Butt 8"	Socket 4"	26.44

Part name	Part no.	Codes	Standards	Listings
Uponor PP-RCT reducing tees, hot potable (butt to socket fusion)	All	UMC CMC IMC	ASTM E84 NSF/ANSI 14 ASTM F2389 CSA B137.11	ICC-ES-PMG 1106 IAPMO-R&T 8358 QAI P321-5 IAPMO K-12775
In addition, the following parts have additional codes, standards, or listings:				
Uponor PP-RCT Reducing Tee, Hot Potable, 6" x 6" x 2 1/2", SDR 9, Butt to Socket Fusion	PR948566253	UPC IRC IPC NPC of Canada CPC	NSF/ANSI/CAN 61 NSF/ANSI 51	
Uponor PP-RCT Reducing Tee, Hot Potable, 6" x 6" x 3", SDR 9, Butt to Socket Fusion	PR94856633	UPC IRC IPC NPC of Canada CPC	NSF/ANSI/CAN 61 NSF/ANSI 51	
Uponor PP-RCT Reducing Tee, Hot Potable, 8" x 8" x 2 1/2", SDR 9, Butt to Socket Fusion	PR948588253	UPC IRC IPC NPC of Canada CPC	NSF/ANSI/CAN 61 NSF/ANSI 51	
Uponor PP-RCT Reducing Tee, Hot Potable, 8" x 8" x 3", SDR 9, Butt to Socket Fusion	PR94858833	UPC IRC IPC NPC of Canada CPC	NSF/ANSI/CAN 61 NSF/ANSI 51	
Uponor PP-RCT Reducing Tee, Hot Potable, 8" x 8" x 4", SDR 9, Butt to Socket Fusion	PR94858843			

Installation	Related applications
Use approved butt-fusion and socket-fusion connection methods. Refer to the Uponor PP-RCT manual for complete details.	
Note: Temperature and pressure ratings stated are hydrostatic ratings. For domestic hot-water (DHW) and DHW recirculation installations, operating conditions should not exceed 140°F (60°C) at 80 psi (5.5 bar) in accordance with ASTM F2023. For additional information regarding application-specific temperature and pressure ratings, refer to the Uponor PP-RCT Piping Systems Manual, the Uponor PP-RCT Piping Systems Installation Guide, and the Uponor PP-RCT DHW Systems Design, Installation, and Operation Guidelines.	Domestic water systems Hydronic heating and cooling systems

Footnotes	Contact information
-	Uponor Inc. 5925 148th Street West Apple Valley, MN 55124 T 800.321.4739 F 952.891.2008 Uponor Ltd. 6510 Kennedy Road Mississauga, ON L5T 2X4 T 888.594.7726 F 800.638.9517