

# Uponor PP-RCT reducing tees, mechanical (butt fusion)

## Project Information

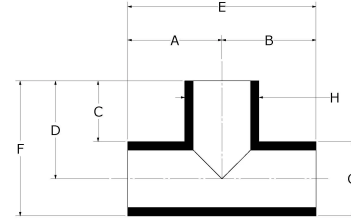
Job name:	Location:
Engineer:	Date submitted:
Contractor:	Submitted by:
Manufacturer's representative:	Approved by:

## Technical data

Material PP-RCT

## Product information and application use

Use Uponor PP-RCT fabricated reducing tees with Uponor PP-RCT mechanical pipe to convey water for hydronic heating and cooling or industrial applications.



Part name	Part no.	A [inch]	B [inch]	C [inch]	D [inch]	E [inch]	F [inch]	G [inch]	H [inch]	Equivalent length branch [ft]	Equivalent length through [ft]
Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 4", SDR 11	PR1147566400	11.811	11.811	12.598	15.748	23.622	18.898	6.299	4.921	20.1	5.4
Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 4", SDR 17.6	PR1747566400	11.811	11.811	12.598	15.748	23.622	18.898	6.299	4.921	20.1	5.8
Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 4", SDR 17.6	PR1747588400	13.78	13.78	29.803	33.74	27.559	37.677	7.874	4.921	20.1	7.3
Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 4", SDR 9	PR947566400	11.811	11.811	12.598	15.748	23.622	18.898	6.299	4.921	20.1	5
Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 6", SDR 11	PR114751060	15.748	15.748	18.898	23.819	31.496	28.74	9.843	6.299	25.8	8.4
Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 8", SDR 11	PR114751080	15.748	15.748	18.386	23.307	31.496	28.228	9.843	7.874	32.2	8.4
Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 10", SDR 11	PR114751210	19.783	19.783	21.26	27.461	39.567	33.661	12.402	9.843	40.3	10.6
Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 8", SDR 11	PR1147512128	19.783	19.783	21.811	28.012	39.567	34.213	12.402	7.874	32.2	10.6
Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 4", SDR 11	PR1147588400	13.78	13.78	16.063	20	27.559	23.937	7.874	4.921	20.1	6.7
Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 6", SDR 11	PR1147588600	13.78	13.78	17.638	21.575	27.559	25.512	7.874	6.299	25.8	6.7
Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 6", SDR 17.6	PR174751060	15.748	15.748	18.898	23.819	31.496	28.74	9.843	6.299	27.9	9.1
Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 8", SDR 17.6	PR174751080	15.748	15.748	18.386	23.307	31.496	28.228	9.843	7.874	34.9	9.1
Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 10", SDR 17.6	PR174751210	19.783	19.783	21.26	27.461	39.567	33.661	12.402	9.843	43.6	11.5
Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 8", SDR 17.6	PR1747512128	19.783	19.783	21.811	28.012	39.567	34.213	12.402	7.874	34.9	11.5
Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 6", SDR 17.6	PR174758860	13.78	13.78	17.638	21.575	27.559	25.512	7.874	6.299	27.9	7.3
Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 6", SDR 9	PR9475101060	15.748	15.748	18.898	23.819	31.496	28.74	9.843	6.299	23.9	7.7
Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 8", SDR 9	PR9475101080	15.748	15.748	18.386	23.307	31.496	28.228	9.843	7.874	30.6	7.7
Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 10", SDR 9	PR9475121210	19.783	19.783	21.26	27.461	39.567	33.661	12.402	9.843	38.2	9.1
Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 8", SDR 9	PR947512128	19.783	19.783	21.811	28.012	39.567	34.213	12.402	7.874	30.6	9.1

Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 4", SDR 9	PR947588400	13.78	13.78	16.063	20	27.559	23.937	7.874	4.921	20.1	6.2
Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 6", SDR 9	PR947588600	13.78	13.78	17.638	21.575	27.559	25.512	7.874	6.299	23.9	6.2

Part name	Part no.	End Type 1	End Type 2	End Type 3	Operating Temperature 1 [°F]	Operating Temperature 2 [°F]	Operating Temperature 3 [°F]	Weight per UOM [lbs/UOM]
Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 4", SDR 11	PR1147566400	Butt 6"	Butt 6"	Butt 4"	73 °F (23 °C) at 215 psi (23 °C)	140 °F (60 °C) at 120 psi (60 °C)	180 °F (82 °C) at 80 psi (82 °C)	12.71
Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 4", SDR 17.6	PR1747566400	Butt 6"	Butt 6"	Butt 4"	73 °F (23 °C) at 130 psi (23 °C)	140 °F (60 °C) at 70 psi (60 °C)	180 °F (82 °C) at 50 psi (82 °C)	8.5
Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 4", SDR 17.6	PR1747588400	Butt 8"	Butt 8"	Butt 4"	73 °F (23 °C) at 130 psi (23 °C)	140 °F (60 °C) at 70 psi (60 °C)	180 °F (82 °C) at 50 psi (82 °C)	16.08
Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 4", SDR 9	PR947566400	Butt 6"	Butt 6"	Butt 4"	73 °F (23 °C) at 265 psi (23 °C)	140 °F (60 °C) at 150 psi (60 °C)	180 °F (82 °C) at 100 psi (82 °C)	15.31
Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 6", SDR 11	PR114751060	Butt 10"	Butt 10"	Butt 6"	73 °F (23 °C) at 215 psi (23 °C)	140 °F (60 °C) at 120 psi (60 °C)	180 °F (82 °C) at 80 psi (82 °C)	39.04
Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 8", SDR 11	PR114751080	Butt 10"	Butt 10"	Butt 8"	73 °F (23 °C) at 215 psi (23 °C)	140 °F (60 °C) at 120 psi (60 °C)	180 °F (82 °C) at 80 psi (82 °C)	39.49
Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 10", SDR 11	PR114751210	Butt 12"	Butt 12"	Butt 10"	73 °F (23 °C) at 215 psi (23 °C)	140 °F (60 °C) at 120 psi (60 °C)	180 °F (82 °C) at 80 psi (82 °C)	76.66
Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 8", SDR 11	PR1147512128	Butt 12"	Butt 12"	Butt 8"	73 °F (23 °C) at 215 psi (23 °C)	140 °F (60 °C) at 120 psi (60 °C)	180 °F (82 °C) at 80 psi (82 °C)	76.02
Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 4", SDR 11	PR1147588400	Butt 8"	Butt 8"	Butt 4"	73 °F (23 °C) at 215 psi (23 °C)	140 °F (60 °C) at 120 psi (60 °C)	180 °F (82 °C) at 80 psi (82 °C)	22.12
Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 6", SDR 11	PR1147588600	Butt 8"	Butt 8"	Butt 6"	73 °F (23 °C) at 215 psi (23 °C)	140 °F (60 °C) at 120 psi (60 °C)	180 °F (82 °C) at 80 psi (82 °C)	22.86
Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 6", SDR 17.6	PR174751060	Butt 10"	Butt 10"	Butt 6"	73 °F (23 °C) at 130 psi (23 °C)	140 °F (60 °C) at 70 psi (60 °C)	180 °F (82 °C) at 50 psi (82 °C)	25.25
Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 8", SDR 17.6	PR174751080	Butt 10"	Butt 10"	Butt 8"	73 °F (23 °C) at 130 psi (23 °C)	140 °F (60 °C) at 70 psi (60 °C)	180 °F (82 °C) at 50 psi (82 °C)	25.55
Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 10", SDR 17.6	PR174751210	Butt 12"	Butt 12"	Butt 10"	73 °F (23 °C) at 130 psi (23 °C)	140 °F (60 °C) at 70 psi (60 °C)	180 °F (82 °C) at 50 psi (82 °C)	49.71
Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 8", SDR 17.6	PR1747512128	Butt 12"	Butt 12"	Butt 8"	73 °F (23 °C) at 130 psi (23 °C)	140 °F (60 °C) at 70 psi (60 °C)	180 °F (82 °C) at 50 psi (82 °C)	49.3
Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 6", SDR 17.6	PR174758860	Butt 8"	Butt 8"	Butt 6"	73 °F (23 °C) at 130 psi (23 °C)	140 °F (60 °C) at 70 psi (60 °C)	180 °F (82 °C) at 50 psi (82 °C)	14.81
Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 6", SDR 9	PR9475101060	Butt 10"	Butt 10"	Butt 6"	73 °F (23 °C) at 265 psi (23 °C)	140 °F (60 °C) at 150 psi (60 °C)	180 °F (82 °C) at 100 psi (82 °C)	46.93
Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 8", SDR 9	PR9475101080	Butt 10"	Butt 10"	Butt 8"	73 °F (23 °C) at 265 psi (23 °C)	140 °F (60 °C) at 150 psi (60 °C)	180 °F (82 °C) at 100 psi (82 °C)	47.48
Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 10", SDR 9	PR9475121210	Butt 12"	Butt 12"	Butt 10"	73 °F (23 °C) at 265 psi (23 °C)	140 °F (60 °C) at 150 psi (60 °C)	180 °F (82 °C) at 100 psi (82 °C)	92.34
Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 8", SDR 9	PR947512128	Butt 12"	Butt 12"	Butt 8"	73 °F (23 °C) at 265 psi (23 °C)	140 °F (60 °C) at 150 psi (60 °C)	180 °F (82 °C) at 100 psi (82 °C)	91.46
Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 4", SDR 9	PR947588400	Butt 8"	Butt 8"	Butt 4"	73 °F (23 °C) at 265 psi (23 °C)	140 °F (60 °C) at 150 psi (60 °C)	180 °F (82 °C) at 100 psi (82 °C)	26.57
Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 6", SDR 9	PR947588600	Butt 8"	Butt 8"	Butt 6"	73 °F (23 °C) at 265 psi (23 °C)	140 °F (60 °C) at 150 psi (60 °C)	180 °F (82 °C) at 100 psi (82 °C)	27.53

Part name	Part no.	Codes	Standards	Listings
Uponor PP-RCT reducing tees, mechanical (butt fusion)	All	CMC IMC UMC	ASTM E84 NSF/ANSI 14 ASTM F2389 CSA B137.11	ICC-ES-PMG 1106 IAPMO-R&T 8358 QAI P321-5 IAPMO K-12775

Installation	Related applications
Use approved butt-fusion connection methods. Refer to the Uponor PP-RCT manual for complete details.	Hydronic heating and cooling systems Industrial

Footnotes	Contact information		
-	<table border="0"> <tr> <td>Uponor Inc. 5925 148th Street West Apple Valley, MN 55124 T 800.321.4739 F 952.891.2008</td> <td>Uponor Ltd. 6510 Kennedy Road Mississauga, ON L5T 2X4 T 888.594.7726 F 800.638.9517</td> </tr> </table>	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
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