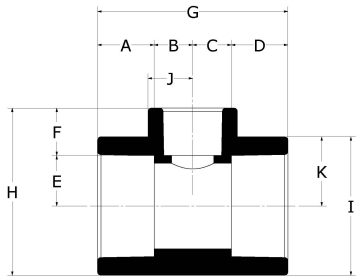
Uponor PP-RCT reducing tees, mechanical (socket fusion)

Project information

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

Product information and application use

Use Uponor PP-RCT 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]	I [inch]	J [inch]
	Uponor PP-RCT Reducing Tee, 1" x 1" x 1/2	PR4751150	0.728	0.482	0.482	0.728	0.65	0.61	2.421	2.144	1.768	0.557
	Uponor PP-RCT Reducing Tee, 1" x 1" x 3/4	PR4751175	0.728	0.571	0.571	0.728	0.669	0.669	2.598	2.224	1.772	0.689
	Uponor PP-RCT Reducing Tee, 1 1/4" x 1 1/4" x 1	PR4751331	0.846	0.669	0.669	0.846	0.846	0.748	3.031	2.713	2.236	0.886
	Uponor PP-RCT Reducing Tee, 1 1/4" x 1 1/4" x 1/2	PR4751350	0.827	0.449	0.449	0.827	0.846	0.61	2.551	2.579	2.244	0.557
	Uponor PP-RCT Reducing Tee, 1 1/4" x 1 1/4" x 3/4	PR4751375	0.846	0.551	0.551	0.846	0.925	0.571	2.795	2.614	2.236	0.699
	Uponor PP-RCT Reducing Tee, 1" x 1/2" x 1/2	PR4751550	0.571	0.551	0.409	0.713	0.65	0.571	2.244	2.045	1.65	0.512
	Uponor PP-RCT Reducing Tee, 1 1/2" x 1 1/2" x 1	PR4751551	0.925	0.689	0.689	0.925	0.98	0.713	3.228	2.99	2.594	0.825
	Uponor PP-RCT Reducing Tee, 1 1/2" x 1 1/2" x 1 1/4	PR4751553	0.925	0.846	0.846	0.925	1.004	0.807	3.543	3.108	2.594	1.024
	Uponor PP-RCT Reducing Tee, 1 1/2" x 1 1/2" x 3/4	PR4751575	0.925	0.531	0.531	0.925	0.984	0.63	2.913	2.911	2.594	0.644
	Uponor PP-RCT Reducing Tee, 1" x 3/4" x 3/4	PR4751775	0.63	0.571	0.488	0.713	0.669	0.63	2.402	2.124	1.65	0.644
	Uponor PP-RCT Reducing Tee, 2" x 2" x 3/4	PR4752275	-	-	-	-	-	-	-	-	-	-
	Uponor PP-RCT Reducing Tee, 2" x 2" x 1	PR4752210	1.079	0.693	0.693	1.079	1.256	0.713	3.543	3.6	3.264	0.825
	Uponor PP-RCT Reducing Tee, 2" x 2" x 1 1/4	PR4752213	1.079	0.85	0.85	1.079	1.24	0.807	3.858	3.679	3.264	1.024
	Uponor PP-RCT Reducing Tee, 2" x 2" x 1 1/2	PR4752215	1.079	1.047	1.047	1.079	1.28	0.925	4.252	3.837	3.264	1.297
	Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 1	PR4752510	1.181	0.709	0.709	1.181	1.472	0.713	3.78	4.14	3.909	0.825
	Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 1 1/4	PR4752513	1.181	0.866	0.866	1.181	1.476	0.807	4.094	4.238	3.909	1.024
	Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 1 1/2	PR4752515	1.181	1.024	1.024	1.181	1.476	0.925	4.409	4.356	3.909	1.297
	Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 2	PR4752520	1.181	1.28	1.28	1.181	1.48	1.079	4.921	4.514	3.909	1.632
	Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 3/4	PR4752575	1.181	0.591	0.591	1.181	1.496	0.63	3.543	4.081	3.909	0.644
	Uponor PP-RCT Reducing Tee, 3" x 3" x 1	PR4753310	1.299	0.748	0.748	1.299	1.807	0.713	4.094	4.868	4.697	0.825
	Uponor PP-RCT Reducing Tee, 3" x 3" x 1 1/4	PR4753313	1.299	0.866	0.866	1.299	1.791	0.807	4.331	4.947	4.697	1.024
	Uponor PP-RCT Reducing Tee, 3" x 3" x 1 1/2	PR4753315	1.299	1.063	1.063	1.299	1.791	0.925	4.724	5.065	4.697	1.297
	Uponor PP-RCT Reducing Tee, 3" x 3" x 2	PR4753320	1.299	1.299	1.299	1.299	1.795	1.079	5.197	5.222	4.697	1.632
✔	Uponor PP-RCT Reducing Tee, 4" x 4" x 2 1/2	PR4754425	1.575	1.575	1.575	1.575	2.52	1.181	6.299	6.972	6.543	1.955
	Uponor PP-RCT Reducing Tee, 4" x 4" x 3	PR4754430	1.575	1.811	1.811	1.575	2.48	1.299	6.772	7.051	6.543	2.348
	Uponor PP-RCT Reducing Tee, 1/2" x 1/2" x 3/4	PR4755075	0.606	0.476	0.476	0.606	0.441	0.661	2.165	1.654	1.102	0.689
	Uponor PP-RCT Reducing Tee, 3/4" x 3/4" x 1/2	PR4757550	0.65	0.443	0.443	0.65	0.472	0.61	2.185	1.772	1.378	0.557

© 2024 Uponor North America. All Rights Reserved

	Uponor PP-RCT Reducing Tee, 3" x 3" x 2 1/2	PR4753325	1.299	1.535	1.535	1.299	1.811	1.181	5.669	5.341	4.697	1.955	

	Part name	Part no.	K [inch]	Equivalent length branch [ft]	Equivalent length through [ft]	Material group	End Type 1	End Type 2	End Type 3	Operating Temperature 1 [°F]	Operating Temperature 2 [°F]	Operating Temperature 3 [°F]
	Uponor PP-RCT Reducing Tee, 1" x 1" x 1/2	PR4751150	0.884	2.6	0.9	PP-RCT	Socket 1"	Socket 1"	Socket 1/2"	73	140	180
	Uponor PP-RCT Reducing Tee, 1" x 1" x 3/4	PR4751175	0.886	3.3	0.9	PP-RCT	Socket 1"	Socket 1"	Socket 3/4"	73	140	180
	Uponor PP-RCT Reducing Tee, 1 1/4" x 1 1/4" x 1	PR4751331	1.118	4.2	1.1	PP-RCT	Socket 1-1/4"	Socket 1-1/4"	Socket 1"	73	140	180
	Uponor PP-RCT Reducing Tee, 1 1/4" x 1 1/4" x 1/2	PR4751350	1.122	2.6	1.1	PP-RCT	Socket 1-1/4"	Socket 1-1/4"	Socket 1/2"	73	140	180
	Uponor PP-RCT Reducing Tee, 1 1/4" x 1 1/4" x 3/4	PR4751375	1.118	3.3	1.1	PP-RCT	Socket 1-1/4"	Socket 1-1/4"	Socket 3/4"	73	140	180
	Uponor PP-RCT Reducing Tee, 1" x 1/2" x 1/2	PR4751550	0.825	2.6	0.5	PP-RCT	Socket 1"	Socket 1/2"	Socket 1/2"	73	140	180
	Uponor PP-RCT Reducing Tee, 1 1/2" x 1 1/2" x 1	PR4751551	1.297	4.2	1.4	PP-RCT	Socket 1-1/2"	Socket 1-1/2"	Socket 1"	73	140	180
	Uponor PP-RCT Reducing Tee, 1 1/2" x 1 1/2" x 1 1/4	PR4751553	1.297	5.2	1.4	PP-RCT	Socket 1-1/2"	Socket 1-1/2"	Socket 1-1/4"	73	140	180
	Uponor PP-RCT Reducing Tee, 1 1/2" x 1 1/2" x 3/4	PR4751575	1.297	3.3	1.4	PP-RCT	Socket 1-1/2"	Socket 1-1/2"	Socket 3/4"	73	140	180
	Uponor PP-RCT Reducing Tee, 1" x 3/4" x 3/4	PR4751775	0.825	3.3	0.7	PP-RCT	Socket 1"	Socket 3/4"	Socket 3/4"	73	140	180
	Uponor PP-RCT Reducing Tee, 2" x 2" x 3/4	PR4752275	-	-	-	-	-	-	-	-	-	-
	Uponor PP-RCT Reducing Tee, 2" x 2" x 1	PR4752210	1.632	4.2	1.7	PP-RCT	Socket 2"	Socket 2"	Socket 1"	73	140	180
	Uponor PP-RCT Reducing Tee, 2" x 2" x 1 1/4	PR4752213	1.632	5.2	1.7	PP-RCT	Socket 2"	Socket 2"	Socket 1-1/4"	73	140	180
	Uponor PP-RCT Reducing Tee, 2" x 2" x 1 1/2	PR4752215	1.632	6.6	1.7	PP-RCT	Socket 2"	Socket 2"	Socket 1-1/2"	73	140	180
	Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 1	PR4752510	1.955	4.2	2.1	PP-RCT	Socket 2-1/2"	Socket 2-1/2"	Socket 1"	73	140	180
	Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 1 1/4	PR4752513	1.955	5.2	2.1	PP-RCT	Socket 2-1/2"	Socket 2-1/2"	Socket 1-1/4"	73	140	180
	Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 1 1/2	PR4752515	1.955	6.6	2.1	PP-RCT	Socket 2-1/2"	Socket 2-1/2"	Socket 1-1/2"	73	140	180
	Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 2	PR4752520	1.955	8.3	2.1	PP-RCT	Socket 2-1/2"	Socket 2-1/2"	Socket 2"	73	140	180
	Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 3/4	PR4752575	1.955	3.3	2.1	PP-RCT	Socket 2-1/2"	Socket 2-1/2"	Socket 3/4"	73	140	180
	Uponor PP-RCT Reducing Tee, 3" x 3" x 1	PR4753310	2.348	4.2	2.5	PP-RCT	Socket 3"	Socket 3"	Socket 1"	73	140	180
	Uponor PP-RCT Reducing Tee, 3" x 3" x 1 1/4	PR4753313	2.348	5.2	2.5	PP-RCT	Socket 3"	Socket 3"	Socket 1-1/4"	73	140	180
	Uponor PP-RCT Reducing Tee, 3" x 3" x 1 1/2	PR4753315	2.348	6.6	2.5	PP-RCT	Socket 3"	Socket 3"	Socket 1-1/2"	73	140	180
	Uponor PP-RCT Reducing Tee, 3" x 3" x 2	PR4753320	2.348	8.3	2.5	PP-RCT	Socket 3"	Socket 3"	Socket 2"	73	140	180
✔	Uponor PP-RCT	PR4754425	3.272	9.8	4.2	PP-RCT	Socket	Socket	Socket	73	140	180

© 2024 Uponor North America. All Rights Reserved

Reducing Tee, 4" x 4" x 2 1/2						4"	4"	2-1/2"			
Uponor PP-RCT Reducing Tee, 4" x 4" x 3	PR4754430	3.272	11.8	4.2	PP-RCT	Socket 4"	Socket 4"	Socket 3"	73	140	180
Uponor PP-RCT Reducing Tee, 1/2" x 1/2" x 3/4	PR4755075	0.551	3.3	0.5	PP-RCT	Socket 1/2"	Socket 1/2"	Socket 3/4"	73	140	180
Uponor PP-RCT Reducing Tee, 3/4" x 3/4" x 1/2	PR4757550	0.689	2.6	0.7	PP-RCT	Socket 3/4"	Socket 3/4"	Socket 1/2"	73	140	180
Uponor PP-RCT Reducing Tee, 3" x 3" x 2 1/2	PR4753325	2.348	9.8	2.5	PP-RCT	Socket 3"	Socket 3"	Socket 2-1/2"	73	140	180

	Part name	Part no.	Weight per UOM [lbs/UOM]
	Uponor PP-RCT Reducing Tee, 1" x 1" x 1/2	PR4751150	0.12
	Uponor PP-RCT Reducing Tee, 1" x 1" x 3/4	PR4751175	0.13
	Uponor PP-RCT Reducing Tee, 1 1/4" x 1 1/4" x 1	PR4751331	0.24
	Uponor PP-RCT Reducing Tee, 1 1/4" x 1 1/4" x 1/2	PR4751350	0.19
	Uponor PP-RCT Reducing Tee, 1 1/4" x 1 1/4" x 3/4	PR4751375	0.21
	Uponor PP-RCT Reducing Tee, 1" x 1/2" x 1/2	PR4751550	0.1
	Uponor PP-RCT Reducing Tee, 1 1/2" x 1 1/2" x 1	PR4751551	0.3
	Uponor PP-RCT Reducing Tee, 1 1/2" x 1 1/2" x 1 1/4	PR4751553	0.34
	Uponor PP-RCT Reducing Tee, 1 1/2" x 1 1/2" x 3/4	PR4751575	0.26
	Uponor PP-RCT Reducing Tee, 1" x 3/4" x 3/4	PR4751775	0.11
	Uponor PP-RCT Reducing Tee, 2" x 2" x 3/4	PR4752275	-
	Uponor PP-RCT Reducing Tee, 2" x 2" x 1	PR4752210	0.5
	Uponor PP-RCT Reducing Tee, 2" x 2" x 1 1/4	PR4752213	0.55
	Uponor PP-RCT Reducing Tee, 2" x 2" x 1 1/2	PR4752215	0.63
	Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 1	PR4752510	0.76
	Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 1 1/4	PR4752513	0.84
	Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 1 1/2	PR4752515	0.91
	Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 2	PR4752520	1.07
	Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 3/4	PR4752575	0.75
	Uponor PP-RCT Reducing Tee, 3" x 3" x 1	PR4753310	1.2
	Uponor PP-RCT Reducing Tee, 3" x 3" x 1 1/4	PR4753313	1.27
	Uponor PP-RCT Reducing Tee, 3" x 3" x 1 1/2	PR4753315	1.41
	Uponor PP-RCT Reducing Tee, 3" x 3" x 2	PR4753320	1.56
✔	Uponor PP-RCT Reducing Tee, 4" x 4" x 2 1/2	PR4754425	3.62
	Uponor PP-RCT Reducing Tee, 4" x 4" x 3	PR4754430	3.94
	Uponor PP-RCT Reducing Tee, 1/2" x 1/2" x 3/4	PR4755075	0.06
	Uponor PP-RCT Reducing Tee, 3/4" x 3/4" x 1/2	PR4757550	0.07
	Uponor PP-RCT Reducing Tee, 3" x 3" x 2 1/2	PR4753325	1.78

Part name	Part no.	Codes	Standards	Listings
Uponor PP-RCT reducing tees, mechanical (socket fusion)	All	CMC|IMC|UMC	ASTM E84|NSF-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 socket-fusion connection methods. Refer to the Uponor PP-RCT manual for complete details.	Hydronic heating and cooling systems Industrial

© 2024 Uponor North America. All Rights Reserved

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
-		

© 2024 Uponor North America. All Rights Reserved