Uponor PP-RCT fitting reducers (socket fusion)

Project information

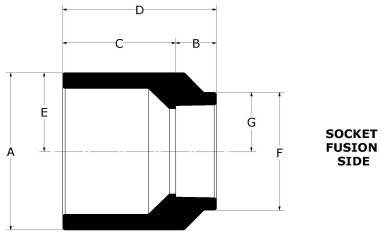
Job name:	Location:
Engineer:	Date submitted:
Contractor:	Submitted by:
Manufacturer's representative:	Approved by:

Technical data

Material PP-RCT

Product information and application use

Use Uponor PP-RCT socket-fusion fitting reducers 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]	Equivalent length through [ft]	End Type 1	End Type 2
Uponor PP-RCT Fitting Reducer, 4" x 2 1/2", SDR 11	PR114774025	4.921	1.299	1.339	2.638	2.461	3.976	1.988	8.4	Butt 4"	Socket 2-1/2"
Uponor PP-RCT Fitting Reducer, 4" x 2 1/2", SDR 17.6	PR174774025	4.921	1.299	1.339	2.638	2.461	3.976	1.988	8.4	Butt 4"	Socket 2-1/2"
Uponor PP-RCT Fitting Reducer, 4" x 3", SDR 17.6	PR174774030	4.921	1.299	1.339	2.638	2.461	3.976	1.988	6.7	Butt 4"	Socket 3"
Uponor PP-RCT Fitting Reducer, 1" x 1/2	PR4771050	1.272	0.693	0.933	1.626	0.636	0.756	0.378	1.4	Socket 1"	Socket 1/2"
Uponor PP-RCT Fitting Reducer, 1 1/4" x 1	PR4771310	1.575	0.752	1.126	1.878	0.787	1.228	0.614	1.7	Socket 1-1/4"	Socket 1"
Uponor PP-RCT Fitting Reducer, 1 1/4" x 1/2	PR4771350	1.575	0.571	0.931	1.502	0.787	0.756	0.378	1.7	Socket 1-1/4"	Socket 1/2"
Uponor PP-RCT Fitting Reducer, 1 1/4" x 3/4	PR4771375	1.575	0.63	0.886	1.516	0.787	0.952	0.476	1.7	Socket 1-1/4"	Socket 3/4"
Uponor PP-RCT Fitting Reducer, 1 1/2" x 1	PR4771510	1.969	0.713	0.868	1.58	0.984	1.224	0.612	2.2	Socket 1-1/2"	Socket 1"
Uponor PP-RCT Fitting Reducer, 1 1/2" x 1 1/4	PR4771513	1.969	0.846	1.004	1.85	0.984	1.543	0.772	2.2	Socket 1-1/2"	Socket 1-1/4"
Uponor PP-RCT Fitting Reducer, 1 1/2" x 1/2	PR4771550	1.969	0.571	0.813	1.384	0.984	0.756	0.378	2.2	Socket 1-1/2"	Socket 1/2"
Uponor PP-RCT Fitting Reducer, 2" x 1	PR4772010	2.48	0.728	1.713	2.441	1.24	1.232	0.616	2.8	Socket 2"	Socket 1"
Uponor PP-RCT Fitting Reducer, 2" x 1 1/4	PR4772013	2.48	0.827	1.732	2.559	1.24	1.543	0.772	2.8	Socket 2"	Socket 1-1/4"
Uponor PP-RCT Fitting Reducer, 2" x 1 1/2	PR4772015	2.48	0.945	1.232	2.177	1.24	1.937	0.969	2.8	Socket 2"	Socket 1-1/2"
Uponor PP-RCT Fitting Reducer, 2" x 3/4	PR4772075	2.48	0.65	1.909	2.559	1.24	0.96	0.48	4.9	Socket 2"	Socket 3/4"
Uponor PP-RCT Fitting Reducer, 2 1/2" x 1	PR4772510	2.953	0.713	1.215	1.927	1.476	1.224	0.612	4.1	Socket 2-1/2"	Socket 1"
Uponor PP-RCT Fitting Reducer, 2 1/2" x 1 1/4	PR4772513	2.953	0.807	1.135	1.942	1.476	1.535	0.768	4.1	Socket 2-1/2"	Socket 1-1/4"
Uponor PP-RCT Fitting Reducer, 2 1/2" x 1 1/2	PR4772515	2.953	0.925	1.033	1.958	1.476	1.925	0.963	3.3	Socket 2-1/2"	Socket 1-1/2"
Uponor PP-RCT Fitting Reducer, 2 1/2" x 2"	PR4772520	2.953	1.079	1.539	2.618	1.476	2.448	1.224	3.3	Socket 2-1/2"	Socket 2"
Uponor PP-RCT Fitting Reducer, 2 1/2" x 1/2	PR4772550	2.953	0.571	1.202	1.772	1.476	0.756	0.378	4.1	Socket 2-1/2"	Socket 1/2"

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	Uponor PP-RCT Fitting Reducer, 2 1/2" x 3/4	PR4772575	2.953	0.63	1.305	1.935	1.476	0.952	0.476	4.1	Socket 2-1/2"	Socket 3/4"
	Uponor PP-RCT Fitting Reducer, 3" x 1 1/2	PR4773015	3.543	0.925	1.207	2.133	1.772	1.925	0.963	4.9	Socket 3"	Socket 1-1/2"
	Uponor PP-RCT Fitting Reducer, 3" x 2	PR4773020	3.543	1.079	1.091	2.17	1.772	2.437	1.218	3.9	Socket 3"	Socket 2"
	Uponor PP-RCT Fitting Reducer, 3" x 2 1/2	PR4773025	3.559	1.22	1.811	3.031	1.78	2.922	1.461	3.9	Socket 3"	Socket 2-1/2"
	Uponor PP-RCT Fitting Reducer, 3/4" x 1/2	PR4777550	0.984	0.571	0.61	1.181	0.492	0.756	0.378	1.1	Socket 3/4"	Socket 1/2"
	Uponor PP-RCT Fitting Reducer, 1" x 3/4	PR4771075	1.272	0.685	0.941	1.626	0.636	0.953	0.476	1.4	Socket 1"	Socket 3/4"
✔	Uponor PP-RCT Fitting Reducer, 1 1/2" x 3/4	PR4771575	1.969	0.63	0.936	1.566	0.984	0.952	0.476	2.2	Socket 1-1/2"	Socket 3/4"
	Uponor PP-RCT Fitting Reducer, 4" x 3", SDR 11	PR114774030	4.921	1.299	1.339	2.638	2.461	4.213	2.106	6.7	Butt 4"	Socket 3"
	Uponor PP-RCT Fitting Reducer, 4" x 2 1/2", SDR 9	PR94774025	4.921	1.181	1.371	2.552	2.461	3.909	1.955	8.4	Butt 4"	Socket 2-1/2"
	Uponor PP-RCT Fitting Reducer, 4" x 3", SDR 9	PR94774030	4.921	1.299	1.457	2.756	2.461	4.697	2.348	6.7	Butt 4"	Socket 3"

Part name	Part no.	Operating Temperature 1 [°F]	Operating Temperature 2 [°F]	Operating Temperature 3 [°F]	Weight per UOM [lbs/UOM]
Uponor PP-RCT Fitting Reducer, 4" x 2 1/2", SDR 11	PR114774025	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)	0.71
Uponor PP-RCT Fitting Reducer, 4" x 2 1/2", SDR 17.6	PR174774025	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)	0.62
Uponor PP-RCT Fitting Reducer, 4" x 3", SDR 17.6	PR174774030	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)	0.44
Uponor PP-RCT Fitting Reducer, 1" x 1/2	PR4771050	73 °F (23 °C) at 340 psi (23 °C)	140 °F (60 °C) at 190 psi (60 °C)	180 °F (82 °C) at 100 psi (82 °C)	0.05
Uponor PP-RCT Fitting Reducer, 1 1/4" x 1	PR4771310	73 °F (23 °C) at 340 psi (23 °C)	140 °F (60 °C) at 190 psi (60 °C)	180 °F (82 °C) at 100 psi (82 °C)	0.08
Uponor PP-RCT Fitting Reducer, 1 1/4" x 1/2	PR4771350	73 °F (23 °C) at 340 psi (23 °C)	140 °F (60 °C) at 190 psi (60 °C)	180 °F (82 °C) at 100 psi (82 °C)	0.04
Uponor PP-RCT Fitting Reducer, 1 1/4" x 3/4	PR4771375	73 °F (23 °C) at 340 psi (23 °C)	140 °F (60 °C) at 190 psi (60 °C)	180 °F (82 °C) at 100 psi (82 °C)	0.04
Uponor PP-RCT Fitting Reducer, 1 1/2" x 1	PR4771510	73 °F (23 °C) at 340 psi (23 °C)	140 °F (60 °C) at 190 psi (60 °C)	180 °F (82 °C) at 100 psi (82 °C)	0.08
Uponor PP-RCT Fitting Reducer, 1 1/2" x 1 1/4	PR4771513	73 °F (23 °C) at 340 psi (23 °C)	140 °F (60 °C) at 190 psi (60 °C)	180 °F (82 °C) at 100 psi (82 °C)	0.12
Uponor PP-RCT Fitting Reducer, 1 1/2" x 1/2	PR4771550	73 °F (23 °C) at 340 psi (23 °C)	140 °F (60 °C) at 190 psi (60 °C)	180 °F (82 °C) at 100 psi (82 °C)	0.07
Uponor PP-RCT Fitting Reducer, 2" x 1	PR4772010	73 °F (23 °C) at 340 psi (23 °C)	140 °F (60 °C) at 190 psi (60 °C)	180 °F (82 °C) at 100 psi (82 °C)	0.19
Uponor PP-RCT Fitting Reducer, 2" x 1 1/4	PR4772013	73 °F (23 °C) at 340 psi (23 °C)	140 °F (60 °C) at 190 psi (60 °C)	180 °F (82 °C) at 100 psi (82 °C)	0.19
Uponor PP-RCT Fitting Reducer, 2" x 1 1/2	PR4772015	73 °F (23 °C) at 340 psi (23 °C)	140 °F (60 °C) at 190 psi (60 °C)	180 °F (82 °C) at 100 psi (82 °C)	0.22
Uponor PP-RCT Fitting Reducer, 2" x 3/4	PR4772075	73 °F (23 °C) at 340 psi (23 °C)	140 °F (60 °C) at 190 psi (60 °C)	180 °F (82 °C) at 100 psi (82 °C)	0.19
Uponor PP-RCT Fitting Reducer, 2 1/2" x 1	PR4772510	73 °F (23 °C) at 340 psi (23 °C)	140 °F (60 °C) at 190 psi (60 °C)	180 °F (82 °C) at 100 psi (82 °C)	0.22
Uponor PP-RCT Fitting Reducer, 2 1/2" x 1 1/4	PR4772513	73 °F (23 °C) at 340 psi (23 °C)	140 °F (60 °C) at 190 psi (60 °C)	180 °F (82 °C) at 100 psi (82 °C)	0.22
Uponor PP-RCT Fitting Reducer, 2 1/2" x 1 1/2	PR4772515	73 °F (23 °C) at 340 psi (23 °C)	140 °F (60 °C) at 190 psi (60 °C)	180 °F (82 °C) at 100 psi (82 °C)	0.23
Uponor PP-RCT Fitting Reducer, 2 1/2" x 2"	PR4772520	73 °F (23 °C) at 340 psi (23 °C)	140 °F (60 °C) at 190 psi (60 °C)	180 °F (82 °C) at 100 psi (82 °C)	0.38
Uponor PP-RCT Fitting Reducer, 2 1/2" x 1/2	PR4772550	73 °F (23 °C) at 340 psi (23 °C)	140 °F (60 °C) at 190 psi (60 °C)	180 °F (82 °C) at 100 psi (82 °C)	0.21
Uponor PP-RCT Fitting Reducer, 2 1/2" x 3/4	PR4772575	73 °F (23 °C) at 340 psi (23 °C)	140 °F (60 °C) at 190 psi (60 °C)	180 °F (82 °C) at 100 psi (82 °C)	0.22
Uponor PP-RCT Fitting Reducer, 3" x 1 1/2	PR4773015	73 °F (23 °C) at 340 psi (23 °C)	140 °F (60 °C) at 190 psi (60 °C)	180 °F (82 °C) at 100 psi (82 °C)	0.35
Uponor PP-RCT Fitting Reducer, 3" x 2	PR4773020	73 °F (23 °C) at 340 psi (23 °C)	140 °F (60 °C) at 190 psi (60 °C)	180 °F (82 °C) at 100 psi (82 °C)	0.36
Uponor PP-RCT Fitting Reducer, 3" x 2 1/2	PR4773025	73 °F (23 °C) at 340 psi (23 °C)	140 °F (60 °C) at 190 psi (60 °C)	180 °F (82 °C) at 100 psi (82 °C)	0.7

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	Uponor PP-RCT Fitting Reducer, 3/4" x 1/2	PR4777550	73 °F (23 °C) at 340 psi (23 °C)	140 °F (60 °C) at 190 psi (60 °C)	180 °F (82 °C) at 100 psi (82 °C)	0.02
	Uponor PP-RCT Fitting Reducer, 1" x 3/4	PR4771075	73 °F (23 °C) at 340 psi (23 °C)	140 °F (60 °C) at 190 psi (60 °C)	180 °F (82 °C) at 100 psi (82 °C)	0.04
✔	Uponor PP-RCT Fitting Reducer, 1 1/2" x 3/4	PR4771575	73 °F (23 °C) at 340 psi (23 °C)	140 °F (60 °C) at 190 psi (60 °C)	180 °F (82 °C) at 100 psi (82 °C)	0.08
	Uponor PP-RCT Fitting Reducer, 4" x 3", SDR 11	PR114774030	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)	0.58
	Uponor PP-RCT Fitting Reducer, 4" x 2 1/2", SDR 9	PR94774025	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)	0.82
	Uponor PP-RCT Fitting Reducer, 4" x 3", SDR 9	PR94774030	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)	0.89

Part name	Part no.	Codes	Standards	Listings
Uponor PP-RCT fitting reducers (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

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

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