

Uponor PP-RCT reducers (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 butt-fusion 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]	Weight per UOM [lbs/UOM]	Equivalent length through [ft]	End Type 1	End Type 2	Operating Temperature 1 [°F]	Operating Temperature 2 [°F]	Operating Temperature 3 [°F]
Uponor PP-RCT Reducer, 10" x 6", SDR 11	PR114771060	9.843	6.299	8.071	4.03	23.5	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)
Uponor PP-RCT Reducer, 10" x 8", SDR 11	PR114771080	9.843	7.874	7.874	3.64	16.8	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)
Uponor PP-RCT Reducer, 12" x 10", SDR 11	PR114771210	12.402	9.843	8.071	6.59	21.1	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)
Uponor PP-RCT Reducer, 12" x 8", SDR 11	PR114771280	12.402	7.874	8.465	7.46	29.6	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)
Uponor PP-RCT Reducer, 8" x 6", SDR 11	PR114778060	7.898	6.323	7.926	2.11	13.4	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)
Uponor PP-RCT Reducer, 10" x 6", SDR 17.6	PR174771060	9.874	6.323	8.339	2.67	25.4	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)
Uponor PP-RCT Reducer, 10" x 8", SDR 17.6	PR174771080	9.874	7.898	7.884	2.39	18.2	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)
Uponor PP-RCT Reducer, 12" x 10", SDR 17.6	PR174771210	12.433	9.874	8.053	4.34	22.9	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)
Uponor PP-RCT Reducer, 12" x 8", SDR 17.6	PR174771280	12.433	7.898	8.623	4.95	32.1	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)
Uponor PP-RCT Reducer, 8" x 6", SDR 17.6	PR174778060	7.898	6.323	7.926	1.39	14.5	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)
Uponor PP-RCT Reducer, 10" x 6", SDR 9	PR94771060	9.843	6.299	8.071	4.48	21.8	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)
Uponor PP-RCT Reducer, 10" x 8", SDR 9	PR94771080	9.843	7.874	7.874	4.15	15.9	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)
Uponor PP-RCT Reducer, 12" x 10", SDR 9	PR94771210	12.402	9.843	8.071	7.49	20.1	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)
Uponor PP-RCT Reducer, 12" x 8", SDR 9	PR94771280	12.402	7.874	8.465	8.24	27.3	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)

SDR 9										psi (23 °C)	psi (60 °C)	psi (82 °C)
Uponor PP-RCT Reducer, 8" x 6", SDR 9	PR94778060	7.898	6.323	7.926	2.44	12.7	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)

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

Codes	Standards	Listings
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

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