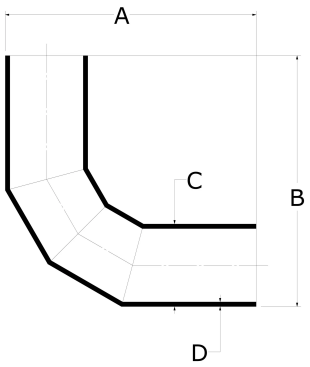
Uponor PP-RCT 90 elbows, mechanical (butt fusion)

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 45 fabricated elbows 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]	Equivalent length through [ft]	End Type 1	End Type 2	Operating Temperature 1 [°F]
	Uponor PP-RCT 90 Elbow, Mechanical, 6" x 6", SDR 11	PR1147690600	22.39	22.39	6.299	0.579	-	-	17.2	Butt 6"	Butt 6"	73 °F (23 °C) at 215 psi (23 °C)
	Uponor PP-RCT 90 Elbow, Mechanical, 12" x 12", SDR 17.6	PR174769012	31.201	31.201	12.402	0.705	-	-	36.6	Butt 12"	Butt 12"	73 °F (23 °C) at 130 psi (23 °C)
✔	Uponor PP-RCT 90 Elbow, Mechanical, 6" x 6", SDR 17.6	PR174769060	22.39	22.39	6.299	0.358	-	-	19.8	Butt 6"	Butt 6"	73 °F (23 °C) at 130 psi (23 °C)
	Uponor PP-RCT 90 Elbow, Mechanical, 6" x 6", SDR 9	PR947690600	22.39	22.39	6.299	0.7	-	-	18	Butt 6"	Butt 6"	73 °F (23 °C) at 265 psi (23 °C)
	Uponor PP-RCT 90 Elbow, Mechanical, 8" x 8", SDR 9	PR947690800	23.937	23.937	7.874	0.882	-	-	21.5	Butt 8"	Butt 8"	73 °F (23 °C) at 265 psi (23 °C)
	Uponor PP-RCT 90 Elbow, Mechanical, 8" x 8", SDR 17.6	PR174769080	23.937	23.937	7.874	0.449	-	-	23.3	Butt 8"	Butt 8"	73 °F (23 °C) at 130 psi (23 °C)
	Uponor PP-RCT 90 Elbow, Mechanical, 10" x 10", SDR 17.6	PR174769010	26.929	26.929	9.843	0.559	-	-	29.1	Butt 10"	Butt 10"	73 °F (23 °C) at 130 psi (23 °C)
	Uponor PP-RCT 90 Elbow, Mechanical, 10" x 10", SDR 11	PR1147690100	-	-	-	-	-	-	-	-	-	-
	Uponor PP-RCT 90 Elbow, Mechanical, 12" x 12", SDR 11	PR114769012	-	-	-	-	-	-	-	-	-	-
	Uponor PP-RCT 90 Elbow, Mechanical, 8" x 8", SDR 11	PR1147690800	-	-	-	-	-	-	-	-	-	-
	Uponor PP-RCT 90 Elbow, Mechanical, 10" x 10", SDR 9	PR947690100	-	-	-	-	-	-	-	-	-	-
	Uponor PP-RCT 90 Elbow, Mechanical, 12" x 12", SDR 9	PR94769012	-	-	-	-	-	-	-	-	-	-

	Part name	Part no.	Operating Temperature 2 [°F]	Operating Temperature 3 [°F]	Material group	Weight per UOM [lbs/UOM]
	Uponor PP-RCT 90 Elbow, Mechanical, 6" x 6", SDR 11	PR1147690600	140 °F (60 °C) at 120 psi (60 °C)	180 °F (82 °C) at 80 psi (82 °C)	-	12.58
	Uponor PP-RCT 90 Elbow, Mechanical, 12" x 12", SDR 17.6	PR174769012	140 °F (60 °C) at 70 psi (60 °C)	180 °F (82 °C) at 50 psi (82 °C)	PP-RCT	42.04
✔	Uponor PP-RCT 90 Elbow, Mechanical, 6" x 6", SDR 17.6	PR174769060	140 °F (60 °C) at 70 psi (60 °C)	180 °F (82 °C) at 50 psi (82 °C)	PP-RCT	8.47
	Uponor PP-RCT 90 Elbow, Mechanical, 6" x 6", SDR 9	PR947690600	140 °F (60 °C) at 150 psi (60 °C)	180 °F (82 °C) at 100 psi (82 °C)	PP-RCT	15.15
	Uponor PP-RCT 90 Elbow, Mechanical, 8" x 8", SDR 9	PR947690800	140 °F (60 °C) at 150 psi (60 °C)	180 °F (82 °C) at 100 psi (82 °C)	-	23.9
	Uponor PP-RCT 90 Elbow, Mechanical, 8" x 8", SDR 17.6	PR174769080	140 °F (60 °C) at 70	180 °F (82 °C) at 50	PP-RCT	13.34

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		psi (60 °C)	psi (82 °C)		
Uponor PP-RCT 90 Elbow, Mechanical, 10" x 10", SDR 17.6	PR174769010	140 °F (60 °C) at 70 psi (60 °C)	180 °F (82 °C) at 50 psi (82 °C)	PP-RCT	23.5
Uponor PP-RCT 90 Elbow, Mechanical, 10" x 10", SDR 11	PR1147690100	-	-	-	-
Uponor PP-RCT 90 Elbow, Mechanical, 12" x 12", SDR 11	PR114769012	-	-	-	-
Uponor PP-RCT 90 Elbow, Mechanical, 8" x 8", SDR 11	PR1147690800	-	-	-	-
Uponor PP-RCT 90 Elbow, Mechanical, 10" x 10", SDR 9	PR947690100	-	-	-	-
Uponor PP-RCT 90 Elbow, Mechanical, 12" x 12", SDR 9	PR94769012	-	-	-	-

Part name	Part no.	Codes	Standards	Listings
Uponor PP-RCT 90 elbows, 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

Use approved butt-fusion connection methods. Refer to the Uponor PP-RCT manual for complete details.

Related applications

Hydronic heating and cooling systems

Industrial

Footnotes

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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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