

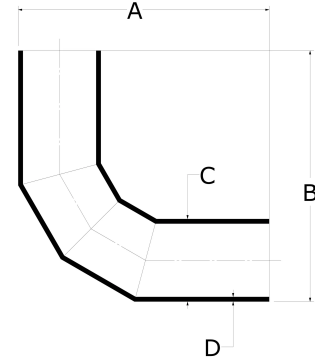
Uponor PP-RCT 90 elbows, mechanical (butt fusion)

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) |

| 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 psi (60 °C) | 180 °F (82 °C) at 50 psi (82 °C) | PP-RCT | 13.34 |
| 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 |

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