

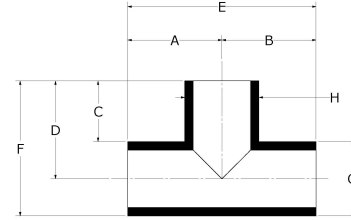
Uponor PP-RCT tees, mechanical (butt fusion)

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 fabricated 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] | Equivalent length branch [ft] | Equivalent length through [ft] |
|--|------------|----------|----------|----------|----------|----------|----------|----------|----------|-------------------------------|--------------------------------|
| Uponor PP-RCT Tee, Mechanical, 6" x 6" x 6", SDR 11 | PR11475600 | 11.811 | 11.811 | 8.661 | 11.811 | 23.622 | 14.961 | 6.299 | 6.299 | 25.8 | 5.4 |
| Uponor PP-RCT Tee, Mechanical, 10" x 10" x 10", SDR 17.6 | PR17475100 | 17.717 | 17.717 | 12.795 | 17.717 | 35.433 | 22.638 | 9.843 | 9.843 | 43.6 | 9.1 |
| Uponor PP-RCT Tee, Mechanical, 12" x 12" x 12", SDR 17.6 | PR17475120 | 19.685 | 19.685 | 13.484 | 19.685 | 39.37 | 25.886 | 12.402 | 12.402 | 55 | 11.5 |
| Uponor PP-RCT Tee, Mechanical, 6" x 6" x 6", SDR 17.6 | PR17475600 | 11.811 | 11.811 | 8.661 | 11.811 | 23.622 | 14.961 | 6.299 | 6.299 | 27.9 | 5.8 |
| Uponor PP-RCT Tee, Mechanical, 8" x 8" x 8", SDR 17.6 | PR17475800 | 13.78 | 13.78 | 9.843 | 13.78 | 27.559 | 17.717 | 7.874 | 7.874 | 34.9 | 7.3 |
| Uponor PP-RCT Tee, Mechanical, 6" x 6" x 6", SDR 9 | PR9475600 | 11.811 | 11.811 | 8.661 | 11.811 | 23.622 | 14.961 | 6.299 | 6.299 | 23.9 | 5 |
| Uponor PP-RCT Tee, Mechanical, 8" x 8" x 8", SDR 9 | PR9475800 | 13.78 | 13.78 | 9.843 | 13.78 | 27.559 | 17.717 | 7.874 | 7.874 | 30.6 | 6.2 |
| Uponor PP-RCT Tee, Mechanical, 10" x 10" x 10", SDR 11 | PR11475100 | 15.748 | 15.748 | 10.827 | 15.748 | 31.496 | 20.669 | 9.843 | 9.843 | 40.29 | 8.4 |
| Uponor PP-RCT Tee, Mechanical, 12" x 12" x 12", SDR 11 | PR11475120 | 19.783 | 19.783 | 13.583 | 19.783 | 39.567 | 25.984 | 12.402 | 12.402 | 50.69 | 10.6 |
| Uponor PP-RCT Tee, Mechanical, 8" x 8" x 8", SDR 11 | PR11475800 | 13.78 | 13.78 | 9.843 | 13.78 | 27.559 | 17.717 | 7.874 | 7.874 | 32.19 | 6.69 |
| Uponor PP-RCT Tee, Mechanical, 10" x 10" x 10", SDR 9 | PR9475100 | 15.748 | 15.748 | 10.827 | 15.748 | 31.496 | 20.669 | 9.843 | 9.843 | 38.19 | 7.71 |
| Uponor PP-RCT Tee, Mechanical, 12" x 12" x 12", SDR 9 | PR9475120 | 19.783 | 19.783 | 13.583 | 19.783 | 39.567 | 25.984 | 12.402 | 12.402 | 48.2 | 9.09 |

| Part name | Part no. | End Type 1 | End Type 2 | End Type 3 | Operating Temperature 1 [°F] | Operating Temperature 2 [°F] | Operating Temperature 3 [°F] | Material group | Weight per UOM [lbs/UOM] |
|--|------------|------------|------------|------------|----------------------------------|-----------------------------------|----------------------------------|----------------|--------------------------|
| Uponor PP-RCT Tee, Mechanical, 6" x 6" x 6", SDR 11 | PR11475600 | Butt 6" | Butt 6" | 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) | - | 11.39 |
| Uponor PP-RCT Tee, Mechanical, 10" x 10" x 10", SDR 17.6 | PR17475100 | Butt 10" | Butt 10" | 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) | - | 28.1 |
| Uponor PP-RCT Tee, Mechanical, 12" x 12" x 12", SDR 17.6 | PR17475120 | Butt 12" | Butt 12" | Butt 12" | 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) | - | 48 |
| Uponor PP-RCT Tee, Mechanical, 6" x 6" x 6", SDR 17.6 | PR17475600 | Butt 6" | Butt 6" | 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) | - | 7.64 |

| | | | | | | °C) | °C) | | |
|--|------------|----------|----------|----------|----------------------------------|-----------------------------------|-----------------------------------|--------|-------|
| Uponor PP-RCT Tee, Mechanical, 8" x 8" x 8", SDR 17.6 | PR17475800 | Butt 8" | Butt 8" | 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) | - | 13.95 |
| Uponor PP-RCT Tee, Mechanical, 6" x 6" x 6", SDR 9 | PR9475600 | Butt 6" | Butt 6" | 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) | PP-RCT | 13.76 |
| Uponor PP-RCT Tee, Mechanical, 8" x 8" x 8", SDR 9 | PR9475800 | Butt 8" | Butt 8" | 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) | - | 25.15 |
| Uponor PP-RCT Tee, Mechanical, 10" x 10" x 10", SDR 11 | PR11475100 | Butt 10" | Butt 10" | 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) | PP-RCT | 37.69 |
| Uponor PP-RCT Tee, Mechanical, 12" x 12" x 12", SDR 11 | PR11475120 | Butt 12" | Butt 12" | Butt 12" | 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) | PP-RCT | 75.14 |
| Uponor PP-RCT Tee, Mechanical, 8" x 8" x 8", SDR 11 | PR11475800 | Butt 8" | Butt 8" | 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) | PP-RCT | 21.4 |
| Uponor PP-RCT Tee, Mechanical, 10" x 10" x 10", SDR 9 | PR9475100 | Butt 10" | Butt 10" | 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) | PP-RCT | 45.4 |
| Uponor PP-RCT Tee, Mechanical, 12" x 12" x 12", SDR 9 | PR9475120 | Butt 12" | Butt 12" | Butt 12" | 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) | PP-RCT | 90.62 |

| Part name | Part no. | Codes | Standards | Listings |
|--|----------|-------------|---|---|
| Uponor PP-RCT tees, 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 |
|--|--|
| Use approved butt-fusion connection methods. Refer to the Uponor PP-RCT manual for complete details. | Hydronic heating and cooling systems Industrial |

| Footnotes | Contact information |
|-----------|---|
| - | <p>Uponor Inc. 5925 148th Street West Apple Valley, MN 55124 T 800.321.4739 F 952.891.2008</p> <p>Uponor Ltd. 6510 Kennedy Road Mississauga, ON L5T 2X4 T 888.594.7726 F 800.638.9517</p> |