

Uponor PP-RCT reducing tees, hot potable (butt to socket fusion)



Project Information

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

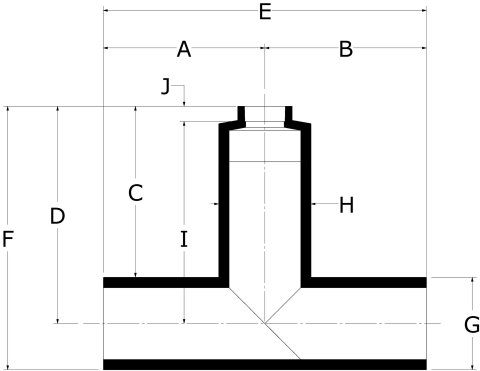
Technical data

| | |
|-----------------------|---------------------------------------|
| Material | PP-RCT |
| Temp/pressure ratings | 73 °F (23 °C) at 265 psi (18.27 bar) |
| | 140 °F (60 °C) at 150 psi (10.34 bar) |
| | 180 °F (82 °C) at 100 psi (6.9 bar) |

Product Information and application use

Use Uponor PP-RCT hot potable pipe to convey water for hot potable plumbing applications. The fiber layer coextruded into the mid-wall of the pipe to reduce expansion/contraction with temperature changes also makes the pipe acceptable for use in hydronic heating and cooling applications.

Note: Temperature and pressure ratings stated are hydrostatic ratings. For domestic hot-water (DHW) and DHW recirculation installations, operating conditions should not exceed 140°F (60°C) at 80 psi (5.5 bar) in accordance with ASTM F2023. For additional information regarding application-specific temperature and pressure ratings, refer to the Uponor PP-RCT Piping Systems Manual, the Uponor PP-RCT Piping Systems Installation Guide, and the Uponor PP-RCT DHW Systems Design, Installation, and Operation Guidelines.



| Part name | Part no. | A [inch] | B [inch] | C [inch] | D [inch] | E [inch] | F [inch] | G [inch] | H [inch] | I [inch] | J [inch] |
|---|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Uponor PP-RCT Reducing Tee, Hot Potable, 6" x 6" x 2 1/2", SDR 9, Butt to Socket Fusion | PR948566253 | 12.598 | 12.598 | 14.173 | 17.323 | 25.197 | 20.472 | 6.299 | 6.299 | 16.142 | 1.181 |
| Uponor PP-RCT Reducing Tee, Hot Potable, 6" x 6" x 3", SDR 9, Butt to Socket Fusion | PR94856633 | 12.598 | 12.598 | 14.173 | 17.323 | 25.197 | 20.472 | 6.299 | 6.299 | 16.024 | 1.299 |
| Uponor PP-RCT Reducing Tee, Hot Potable, 8" x 8" x 2 1/2", SDR 9, Butt to Socket Fusion | PR948588253 | 13.78 | 13.78 | 14.567 | 18.504 | 27.559 | 22.441 | 7.874 | 7.874 | 17.323 | 1.181 |
| Uponor PP-RCT Reducing Tee, Hot Potable, 8" x 8" x 3", SDR 9, Butt to Socket Fusion | PR94858833 | 13.78 | 13.78 | 14.567 | 18.504 | 27.559 | 22.441 | 7.874 | 7.874 | 17.205 | 1.299 |
| Uponor PP-RCT Reducing Tee, Hot Potable, 8" x 8" x 4", SDR 9, Butt to Socket Fusion | PR94858843 | 13.78 | 13.78 | 14.567 | 18.504 | 27.559 | 22.441 | 7.874 | 7.874 | 16.929 | 1.575 |

| Part name | Part no. | Equivalent length branch [ft] | Equivalent length through [ft] | End Type 1 | End Type 2 | End Type 3 | Weight per UOM [lbs/UOM] |
|---|-------------|-------------------------------|--------------------------------|------------|------------|---------------|--------------------------|
| Uponor PP-RCT Reducing Tee, Hot Potable, 6" x 6" x 2 1/2", SDR 9, Butt to Socket Fusion | PR948566253 | 35.4 | 5 | Butt 6" | Butt 6" | Socket 2-1/2" | 15.68 |
| Uponor PP-RCT Reducing Tee, Hot Potable, 6" x 6" x 3", SDR 9, Butt to Socket Fusion | PR94856633 | 33.4 | 5 | Butt 6" | Butt 6" | Socket 3" | 15.72 |
| Uponor PP-RCT Reducing Tee, Hot Potable, 8" x 8" x 2 1/2", SDR 9, Butt to Socket Fusion | PR948588253 | 44.3 | 6.2 | Butt 8" | Butt 8" | Socket 2-1/2" | 26.28 |
| Uponor PP-RCT Reducing Tee, Hot Potable, 8" x 8" x 3", SDR 9, Butt to Socket Fusion | PR94858833 | 45.6 | 6.2 | Butt 8" | Butt 8" | Socket 3" | 26.22 |
| Uponor PP-RCT Reducing Tee, Hot Potable, 8" x 8" x 4", SDR 9, Butt to Socket Fusion | PR94858843 | 43.3 | 6.2 | Butt 8" | Butt 8" | Socket 4" | 26.44 |

| Part name | Part no. | Codes | Standards | Listings |
|---|-------------|-------------------------------|---|---|
| Uponor PP-RCT reducing tees, hot potable (butt to socket fusion) | All | UMC CMC IMC | ASTM E84 NSF/ANSI 14 ASTM F2389 CSA B137.11 | ICC-ES-PMG 1106 IAPMO-R&T 8358 QAI P321-5 IAPMO K-12775 |
| In addition, the following parts have additional codes, standards, or listings: | | | | |
| Uponor PP-RCT Reducing Tee, Hot Potable, 6" x 6" x 2 1/2", SDR 9, Butt to Socket Fusion | PR948566253 | UPC IRC IPC NPC of Canada CPC | NSF/ANSI/CAN 61 NSF/ANSI 51 | |
| Uponor PP-RCT Reducing Tee, Hot Potable, 6" x 6" x 3", SDR 9, Butt to Socket Fusion | PR94856633 | UPC IRC IPC NPC of Canada CPC | NSF/ANSI/CAN 61 NSF/ANSI 51 | |
| Uponor PP-RCT Reducing Tee, Hot Potable, 8" x 8" x 2 1/2", SDR 9, Butt to Socket Fusion | PR948588253 | UPC IRC IPC NPC of Canada CPC | NSF/ANSI/CAN 61 NSF/ANSI 51 | |
| Uponor PP-RCT Reducing Tee, Hot Potable, 8" x 8" x 3", SDR 9, Butt to Socket Fusion | PR94858833 | UPC IRC IPC NPC of Canada CPC | NSF/ANSI/CAN 61 NSF/ANSI 51 | |
| Uponor PP-RCT Reducing Tee, Hot Potable, 8" x 8" x 4", SDR 9, Butt to Socket Fusion | PR94858843 | | | |

| Installation | Related applications |
|--|---|
| <p>Use approved butt-fusion and socket-fusion connection methods. Refer to the Uponor PP-RCT manual for complete details.</p> <p>Note: Temperature and pressure ratings stated are hydrostatic ratings. For domestic hot-water (DHW) and DHW recirculation installations, operating conditions should not exceed 140°F (60°C) at 80 psi (5.5 bar) in accordance with ASTM F2023. For additional information regarding application-specific temperature and pressure ratings, refer to the Uponor PP-RCT Piping Systems Manual, the Uponor PP-RCT Piping Systems Installation Guide, and the Uponor PP-RCT DHW Systems Design, Installation, and Operation Guidelines.</p> | <p>Domestic water systems</p> <p>Hydronic heating and cooling systems</p> |

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