

# 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:    |

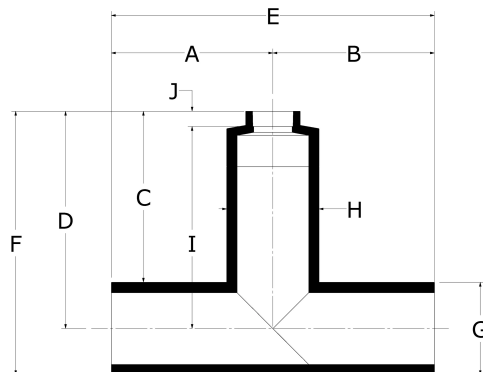
## Technical data

|                       |  |
|-----------------------|--|
| Material              | PP-RCT   |
| Temp/pressure ratings | 73 °F (23 °C) at 265 psi (18.27 bar)<br>140 °F (60 °C) at 150 psi (10.34 bar)<br>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   |
|---|--|
| Use approved butt-fusion and socket-fusion connection methods. Refer to the Uponor PP-RCT manual for complete details.  |  |
| <b>Note:</b> 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. | Domestic water systems<br>Hydronic heating and cooling systems |

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