

# Uponor PP-RCT reducers (butt fusion)

## Project Information

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

## Technical data

Material PP-RCT

## Product information and application use

Use Uponor PP-RCT Butt-Fusion Reducers with Uponor PP-RCT Mechanical Pipe to convey fluid for hydronic heating and cooling or industrial applications and with Uponor PP-RCT Potable Pipe to convey water for potable plumbing applications.



| Part name                                  | Part no.    | A [inch] | B [inch] | C [inch] | Equivalent length through [ft] | End Type 1 | End Type 2 | Operating Temperature 1 [°F]     | Operating Temperature 2 [°F]      | Operating Temperature 3 [°F]      | Weight per UOM [lbs/UOM] |
|--|-------------|----------|----------|----------|--------------------------------|------------|------------|----------------------------------|-----------------------------------|-----------------------------------|--------------------------|
| Uponor PP-RCT Reducer, 8" x 4", SDR 9      | PR94778040  | 7.898    | 4.937    | 6.239    | 17.5                           | Butt 8"    | Butt 4"    | 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) | 2.5                      |
| Uponor PP-RCT Reducer, 8" x 4", SDR 11     | PR114778040 | 7.898    | 4.937    | 6.239    | 18.8                           | Butt 8"    | Butt 4"    | 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)  | 2.21                     |
| Uponor PP-RCT Reducer, 8" x 4", SDR 17.6   | PR174778040 | 7.898    | 4.937    | 6.239    | 20.3                           | Butt 8"    | Butt 4"    | 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)  | 1.52                     |
| Uponor PP-RCT Reducer, 10" x 6", SDR 11    | PR114771060 | 9.843    | 6.299    | 8.071    | 23.5                           | Butt 10"   | 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)  | 4.03                     |
| Uponor PP-RCT Reducer, 10" x 6", SDR 17.6  | PR174771060 | 9.874    | 6.323    | 8.339    | 25.4                           | Butt 10"   | 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)  | 2.67                     |
| Uponor PP-RCT Reducer, 10" x 6", SDR 9     | PR94771060  | 9.843    | 6.299    | 8.071    | 21.8                           | Butt 10"   | 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) | 4.48                     |
| Uponor PP-RCT Reducer, 10" x 8", SDR 11    | PR114771080 | 9.843    | 7.874    | 7.874    | 16.8                           | Butt 10"   | 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)  | 3.64                     |
| Uponor PP-RCT Reducer, 10" x 8", SDR 17.6  | PR174771080 | 9.874    | 7.898    | 7.884    | 18.2                           | Butt 10"   | 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)  | 2.39                     |
| Uponor PP-RCT Reducer, 10" x 8", SDR 9     | PR94771080  | 9.843    | 7.874    | 7.874    | 15.9                           | Butt 10"   | 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) | 4.15                     |
| Uponor PP-RCT Reducer, 12" x 10", SDR 11   | PR114771210 | 12.402   | 9.843    | 8.071    | 21.1                           | Butt 12"   | 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)  | 6.59                     |
| Uponor PP-RCT Reducer, 12" x 10", SDR 17.6 | PR174771210 | 12.433   | 9.874    | 8.053    | 22.9                           | Butt 12"   | 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)  | 4.34                     |
| Uponor PP-RCT Reducer, 12" x 10", SDR 9    | PR94771210  | 12.402   | 9.843    | 8.071    | 20.1                           | Butt 12"   | 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) | 7.49                     |
| Uponor PP-RCT Reducer, 12" x 8", SDR 11    | PR114771280 | 12.402   | 7.874    | 8.465    | 29.6                           | Butt 12"   | 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)  | 7.46                     |
| Uponor PP-RCT Reducer, 12" x 8", SDR 17.6  | PR174771280 | 12.433   | 7.898    | 8.623    | 32.1                           | Butt 12"   | 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)  | 4.95                     |

| 17.6                                     |             |        |       |       |      |          | °C)     | °C)                              |                                   |                                   |      |
|--|-------------|--------|-------|-------|------|----------|---------|----------------------------------|-----------------------------------|-----------------------------------|------|
| Uponor PP-RCT Reducer, 12" x 8", SDR 9   | PR94771280  | 12.402 | 7.874 | 8.465 | 27.3 | Butt 12" | 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) | 8.24 |
| Uponor PP-RCT Reducer, 8" x 6", SDR 11   | PR114778060 | 7.898  | 6.323 | 7.926 | 13.4 | Butt 8"  | 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)  | 2.11 |
| Uponor PP-RCT Reducer, 8" x 6", SDR 17.6 | PR174778060 | 7.898  | 6.323 | 7.926 | 14.5 | Butt 8"  | 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)  | 1.39 |
| Uponor PP-RCT Reducer, 8" x 6", SDR 9    | PR94778060  | 7.898  | 6.323 | 7.926 | 12.7 | Butt 8"  | 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) | 2.44 |

| Part name                            | Part no. | Codes       | Standards                       | Listings  |
|--------------------------------------|----------|-------------|---------------------------------|---|
| Uponor PP-RCT reducers (butt fusion) | All      | CMC IMC UMC | ASTM E84 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 Reducer, 8" x 4", SDR 9      | PR94778040  |  | NSF/ANSI 14                 |  |
| Uponor PP-RCT Reducer, 8" x 4", SDR 11     | PR114778040 |  | NSF/ANSI 14                 |  |
| Uponor PP-RCT Reducer, 8" x 4", SDR 17.6   | PR174778040 |  | NSF/ANSI 14                 |  |
| Uponor PP-RCT Reducer, 10" x 6", SDR 11    | PR114771060 |  | NSF/ANSI/CAN 61 NSF/ANSI 14 |  |
| Uponor PP-RCT Reducer, 10" x 6", SDR 17.6  | PR174771060 |  | NSF/ANSI 14                 |  |
| Uponor PP-RCT Reducer, 10" x 6", SDR 9     | PR94771060  |  | NSF/ANSI/CAN 61 NSF/ANSI 14 |  |
| Uponor PP-RCT Reducer, 10" x 8", SDR 11    | PR114771080 |  | NSF/ANSI/CAN 61 NSF/ANSI 14 |  |
| Uponor PP-RCT Reducer, 10" x 8", SDR 17.6  | PR174771080 |  | NSF/ANSI 14                 |  |
| Uponor PP-RCT Reducer, 10" x 8", SDR 9     | PR94771080  |  | NSF/ANSI/CAN 61 NSF/ANSI 14 |  |
| Uponor PP-RCT Reducer, 12" x 10", SDR 11   | PR114771210 |  | NSF/ANSI/CAN 61 NSF/ANSI 14 |  |
| Uponor PP-RCT Reducer, 12" x 10", SDR 17.6 | PR174771210 |  | NSF/ANSI 14                 |  |
| Uponor PP-RCT Reducer, 12" x 10", SDR 9    | PR94771210  |  | NSF/ANSI/CAN 61 NSF/ANSI 14 |  |
| Uponor PP-RCT Reducer, 12" x 8", SDR 11    | PR114771280 |  | NSF-61 NSF-14               |  |
| Uponor PP-RCT Reducer, 12" x 8", SDR 17.6  | PR174771280 |  | NSF/ANSI 14                 |  |
| Uponor PP-RCT Reducer, 12" x 8", SDR 9     | PR94771280  |  | NSF/ANSI/CAN 61 NSF/ANSI 14 |  |
| Uponor PP-RCT Reducer, 8" x 6", SDR 11     | PR114778060 |  | NSF/ANSI 14                 |  |
| Uponor PP-RCT Reducer, 8" x 6", SDR 17.6   | PR174778060 |  | NSF/ANSI 14                 |  |
| Uponor PP-RCT Reducer, 8" x 6", SDR 9      | PR94778060  |  | NSF/ANSI 14                 |  |

| Installation   | Related applications   |
|--|--|
| Use approved butt-fusion connection methods. Refer to the Uponor PP-RCT manual for complete details. | Hydronic heating and cooling systems<br>Industrial<br>Domestic water 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> |