# Uponor PP-RCT reducers (butt fusion)

## Project information

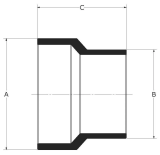
| | |
|---|---|
| Job name: | Location: |
| Engineer: | Date submitted: |
| Contractor: | Submitted by: |
| Manufacturer's representative: | Approved by: |

## 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 water for hydronic heating and cooling or industrial 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 | 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 | 180 °F (82 °C) at 50 psi (82 | 4.95 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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\|NSF-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 Reducer, 10" x 6", SDR 11 | PR114771060 | | NSF-61 | |
| Uponor PP-RCT Reducer, 10" x 6", SDR 9 | PR94771060 | | NSF-61 | |
| Uponor PP-RCT Reducer, 10" x 8", SDR 11 | PR114771080 | | NSF-61 | |
| Uponor PP-RCT Reducer, 10" x 8", SDR 9 | PR94771080 | | NSF-61 | |
| Uponor PP-RCT Reducer, 12" x 10", SDR 11 | PR114771210 | | NSF-61 | |
| Uponor PP-RCT Reducer, 12" x 10", SDR 9 | PR94771210 | | NSF-61 | |
| Uponor PP-RCT Reducer, 12" x 8", SDR 11 | PR114771280 | | NSF-61 | |
| Uponor PP-RCT Reducer, 12" x 8", SDR 9 | PR94771280 | | NSF-61 | |

## Installation

Use approved butt-fusion connection methods. Refer to the Uponor PP-RCT manual for complete details.

## Related applications

Hydronic heating and cooling systems

Industrial

## Footnotes

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## Contact information

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