

# Uponor PP-RCT fitting reducers (socket fusion)

## Project Information

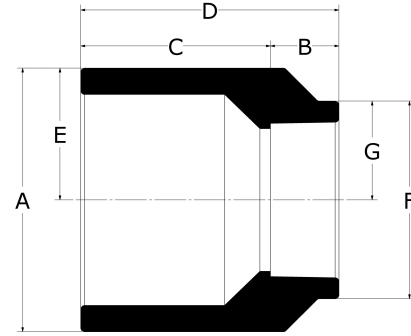
|                                |                 |
|--------------------------------|-----------------|
| Job name:                      | Location:       |
| Engineer:                      | Date submitted: |
| Contractor:                    | Submitted by:   |
| Manufacturer's representative: | Approved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

## Technical data

Material PP-RCT

## Product information and application use

Use Uponor PP-RCT Socket-Fusion Fitting 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] | D [inch] | E [inch] | F [inch] | G [inch] | Equivalent length through [ft] | End Type 1    | End Type 2    |
|--|-------------|----------|----------|----------|----------|----------|----------|----------|--------------------------------|---------------|---------------|
| Uponor PP-RCT Fitting Reducer, 4" x 2 1/2", SDR 11   | PR114774025 | 4.921    | 1.299    | 1.339    | 2.638    | 2.461    | 3.976    | 1.988    | 8.4                            | Butt 4"       | Socket 2-1/2" |
| Uponor PP-RCT Fitting Reducer, 4" x 2 1/2", SDR 17.6 | PR174774025 | 4.921    | 1.299    | 1.339    | 2.638    | 2.461    | 3.976    | 1.988    | 8.4                            | Butt 4"       | Socket 2-1/2" |
| Uponor PP-RCT Fitting Reducer, 4" x 3", SDR 17.6     | PR174774030 | 4.921    | 1.299    | 1.339    | 2.638    | 2.461    | 3.976    | 1.988    | 6.7                            | Butt 4"       | Socket 3"     |
| Uponor PP-RCT Fitting Reducer, 1" x 1/2              | PR4771050   | 1.272    | 0.693    | 0.933    | 1.626    | 0.636    | 1.339    | 0.669    | 1.4                            | Socket 1"     | Socket 1/2"   |
| Uponor PP-RCT Fitting Reducer, 1 1/4" x 1            | PR4771310   | 1.575    | 0.752    | 1.126    | 1.878    | 0.787    | 1.732    | 0.866    | 1.7                            | Socket 1-1/4" | Socket 1"     |
| Uponor PP-RCT Fitting Reducer, 1 1/4" x 1/2          | PR4771350   | 1.575    | 0.571    | 0.931    | 1.502    | 0.787    | 1.047    | 0.524    | 1.7                            | Socket 1-1/4" | Socket 1/2"   |
| Uponor PP-RCT Fitting Reducer, 1 1/4" x 3/4          | PR4771375   | 1.575    | 0.63     | 0.886    | 1.516    | 0.787    | 1.287    | 0.644    | 1.7                            | Socket 1-1/4" | Socket 3/4"   |
| Uponor PP-RCT Fitting Reducer, 1 1/2" x 1            | PR4771510   | 1.969    | 0.713    | 0.868    | 1.58     | 0.984    | 1.65     | 0.825    | 2.2                            | Socket 1-1/2" | Socket 1"     |
| Uponor PP-RCT Fitting Reducer, 1 1/2" x 1 1/4        | PR4771513   | 1.969    | 0.846    | 1.004    | 1.85     | 0.984    | 2.185    | 1.093    | 2.2                            | Socket 1-1/2" | Socket 1-1/4" |
| Uponor PP-RCT Fitting Reducer, 1 1/2" x 1/2          | PR4771550   | 1.969    | 0.571    | 0.813    | 1.384    | 0.984    | 1.024    | 0.512    | 2.2                            | Socket 1-1/2" | Socket 1/2"   |
| Uponor PP-RCT Fitting Reducer, 2" x 1                | PR4772010   | 2.48     | 0.728    | 1.713    | 2.441    | 1.24     | 1.705    | 0.852    | 2.8                            | Socket 2"     | Socket 1"     |
| Uponor PP-RCT Fitting Reducer, 2" x 1 1/4            | PR4772013   | 2.48     | 0.827    | 1.732    | 2.559    | 1.24     | 2.067    | 1.033    | 2.8                            | Socket 2"     | Socket 1-1/4" |
| Uponor PP-RCT Fitting Reducer, 2" x 1 1/2            | PR4772015   | 2.48     | 0.945    | 1.232    | 2.177    | 1.24     | 2.717    | 1.358    | 2.8                            | Socket 2"     | Socket 1-1/2" |
| Uponor PP-RCT Fitting Reducer, 2" x 3/4              | PR4772075   | 2.48     | 0.65     | 1.909    | 2.559    | 1.24     | 1.358    | 0.679    | 4.9                            | Socket 2"     | Socket 3/4"   |
| Uponor PP-RCT Fitting Reducer, 2 1/2" x 1            | PR4772510   | 2.953    | 0.713    | 1.215    | 1.927    | 1.476    | 1.65     | 0.825    | 4.1                            | Socket 2-1/2" | Socket 1"     |
| Uponor PP-RCT Fitting Reducer, 2 1/2" x 1 1/4        | PR4772513   | 2.953    | 0.807    | 1.135    | 1.942    | 1.476    | 2.047    | 1.024    | 4.1                            | Socket 2-1/2" | Socket 1-1/4" |
| Uponor PP-RCT Fitting Reducer, 2 1/2" x 1 1/2        | PR4772515   | 2.953    | 0.925    | 1.033    | 1.958    | 1.476    | 2.594    | 1.297    | 3.3                            | Socket 2-1/2" | Socket 1-1/2" |
| Uponor PP-RCT Fitting Reducer, 2 1/2" x 2"           | PR4772520   | 2.953    | 1.079    | 1.539    | 2.618    | 1.476    | 3.425    | 1.713    | 3.3                            | Socket 2-1/2" | Socket 2"     |
| Uponor PP-RCT Fitting Reducer, 2 1/2" x 1/2          | PR4772550   | 2.953    | 0.571    | 1.202    | 1.772    | 1.476    | 1.024    | 0.512    | 4.1                            | Socket 2-1/2" | Socket 1/2"   |

|   |             |       |       |       |       |       |       |       |     |               |               |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-----|---------------|---------------|
| Uponor PP-RCT Fitting Reducer, 2 1/2" x 3/4       | PR4772575   | 2.953 | 0.63  | 1.305 | 1.935 | 1.476 | 1.287 | 0.644 | 4.1 | Socket 2-1/2" | Socket 3/4"   |
| Uponor PP-RCT Fitting Reducer, 3" x 1 1/2         | PR4773015   | 3.543 | 0.925 | 1.207 | 2.133 | 1.772 | 2.594 | 1.297 | 4.9 | Socket 3"     | Socket 1-1/2" |
| Uponor PP-RCT Fitting Reducer, 3" x 2             | PR4773020   | 3.543 | 1.079 | 1.091 | 2.17  | 1.772 | 3.264 | 1.632 | 3.9 | Socket 3"     | Socket 2"     |
| Uponor PP-RCT Fitting Reducer, 3" x 2 1/2         | PR4773025   | 3.559 | 1.22  | 1.811 | 3.031 | 1.78  | 4.13  | 2.065 | 3.9 | Socket 3"     | Socket 2-1/2" |
| Uponor PP-RCT Fitting Reducer, 3/4" x 1/2         | PR4777550   | 0.984 | 0.571 | 0.61  | 1.181 | 0.492 | 1.024 | 0.512 | 1.1 | Socket 3/4"   | Socket 1/2"   |
| Uponor PP-RCT Fitting Reducer, 1" x 3/4           | PR4771075   | 1.272 | 0.685 | 0.941 | 1.626 | 0.636 | 1.339 | 0.669 | 1.4 | Socket 1"     | Socket 3/4"   |
| Uponor PP-RCT Fitting Reducer, 1 1/2" x 3/4       | PR4771575   | 1.969 | 0.63  | 0.936 | 1.566 | 0.984 | 1.287 | 0.644 | 2.2 | Socket 1-1/2" | Socket 3/4"   |
| Uponor PP-RCT Fitting Reducer, 4" x 3", SDR 11    | PR114774030 | 4.921 | 1.299 | 1.339 | 2.638 | 2.461 | 4.213 | 2.106 | 6.7 | Butt 4"       | Socket 3"     |
| Uponor PP-RCT Fitting Reducer, 4" x 2 1/2", SDR 9 | PR94774025  | 4.921 | 1.181 | 1.371 | 2.552 | 2.461 | 3.909 | 1.955 | 8.4 | Butt 4"       | Socket 2-1/2" |
| Uponor PP-RCT Fitting Reducer, 4" x 3", SDR 9     | PR94774030  | 4.921 | 1.299 | 1.457 | 2.756 | 2.461 | 4.697 | 2.348 | 6.7 | Butt 4"       | Socket 3"     |

| Part name  | Part no.    | Operating Temperature 1 [°F]     | Operating Temperature 2 [°F]      | Operating Temperature 3 [°F]      | Weight per UOM [lbs/UOM] |
|--|-------------|----------------------------------|-----------------------------------|-----------------------------------|--------------------------|
| Uponor PP-RCT Fitting Reducer, 4" x 2 1/2", SDR 11   | PR114774025 | 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)  | 0.71                     |
| Uponor PP-RCT Fitting Reducer, 4" x 2 1/2", SDR 17.6 | PR174774025 | 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)  | 0.62                     |
| Uponor PP-RCT Fitting Reducer, 4" x 3", SDR 17.6     | PR174774030 | 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)  | 0.44                     |
| Uponor PP-RCT Fitting Reducer, 1" x 1/2              | PR4771050   | 73 °F (23 °C) at 340 psi (23 °C) | 140 °F (60 °C) at 190 psi (60 °C) | 180 °F (82 °C) at 100 psi (82 °C) | 0.05                     |
| Uponor PP-RCT Fitting Reducer, 1 1/4" x 1            | PR4771310   | 73 °F (23 °C) at 340 psi (23 °C) | 140 °F (60 °C) at 190 psi (60 °C) | 180 °F (82 °C) at 100 psi (82 °C) | 0.08                     |
| Uponor PP-RCT Fitting Reducer, 1 1/4" x 1/2          | PR4771350   | 73 °F (23 °C) at 340 psi (23 °C) | 140 °F (60 °C) at 190 psi (60 °C) | 180 °F (82 °C) at 100 psi (82 °C) | 0.04                     |
| Uponor PP-RCT Fitting Reducer, 1 1/4" x 3/4          | PR4771375   | 73 °F (23 °C) at 340 psi (23 °C) | 140 °F (60 °C) at 190 psi (60 °C) | 180 °F (82 °C) at 100 psi (82 °C) | 0.04                     |
| Uponor PP-RCT Fitting Reducer, 1 1/2" x 1            | PR4771510   | 73 °F (23 °C) at 340 psi (23 °C) | 140 °F (60 °C) at 190 psi (60 °C) | 180 °F (82 °C) at 100 psi (82 °C) | 0.08                     |
| Uponor PP-RCT Fitting Reducer, 1 1/2" x 1 1/4        | PR4771513   | 73 °F (23 °C) at 340 psi (23 °C) | 140 °F (60 °C) at 190 psi (60 °C) | 180 °F (82 °C) at 100 psi (82 °C) | 0.12                     |
| Uponor PP-RCT Fitting Reducer, 1 1/2" x 1/2          | PR4771550   | 73 °F (23 °C) at 340 psi (23 °C) | 140 °F (60 °C) at 190 psi (60 °C) | 180 °F (82 °C) at 100 psi (82 °C) | 0.07                     |
| Uponor PP-RCT Fitting Reducer, 2" x 1                | PR4772010   | 73 °F (23 °C) at 340 psi (23 °C) | 140 °F (60 °C) at 190 psi (60 °C) | 180 °F (82 °C) at 100 psi (82 °C) | 0.19                     |
| Uponor PP-RCT Fitting Reducer, 2" x 1 1/4            | PR4772013   | 73 °F (23 °C) at 340 psi (23 °C) | 140 °F (60 °C) at 190 psi (60 °C) | 180 °F (82 °C) at 100 psi (82 °C) | 0.19                     |
| Uponor PP-RCT Fitting Reducer, 2" x 1 1/2            | PR4772015   | 73 °F (23 °C) at 340 psi (23 °C) | 140 °F (60 °C) at 190 psi (60 °C) | 180 °F (82 °C) at 100 psi (82 °C) | 0.22                     |
| Uponor PP-RCT Fitting Reducer, 2" x 3/4              | PR4772075   | 73 °F (23 °C) at 340 psi (23 °C) | 140 °F (60 °C) at 190 psi (60 °C) | 180 °F (82 °C) at 100 psi (82 °C) | 0.19                     |
| Uponor PP-RCT Fitting Reducer, 2 1/2" x 1            | PR4772510   | 73 °F (23 °C) at 340 psi (23 °C) | 140 °F (60 °C) at 190 psi (60 °C) | 180 °F (82 °C) at 100 psi (82 °C) | 0.22                     |
| Uponor PP-RCT Fitting Reducer, 2 1/2" x 1 1/4        | PR4772513   | 73 °F (23 °C) at 340 psi (23 °C) | 140 °F (60 °C) at 190 psi (60 °C) | 180 °F (82 °C) at 100 psi (82 °C) | 0.22                     |
| Uponor PP-RCT Fitting Reducer, 2 1/2" x 1 1/2        | PR4772515   | 73 °F (23 °C) at 340 psi (23 °C) | 140 °F (60 °C) at 190 psi (60 °C) | 180 °F (82 °C) at 100 psi (82 °C) | 0.23                     |
| Uponor PP-RCT Fitting Reducer, 2 1/2" x 2"           | PR4772520   | 73 °F (23 °C) at 340 psi (23 °C) | 140 °F (60 °C) at 190 psi (60 °C) | 180 °F (82 °C) at 100 psi (82 °C) | 0.38                     |
| Uponor PP-RCT Fitting Reducer, 2 1/2" x 1/2          | PR4772550   | 73 °F (23 °C) at 340 psi (23 °C) | 140 °F (60 °C) at 190 psi (60 °C) | 180 °F (82 °C) at 100 psi (82 °C) | 0.21                     |
| Uponor PP-RCT Fitting Reducer, 2 1/2" x 3/4          | PR4772575   | 73 °F (23 °C) at 340 psi (23 °C) | 140 °F (60 °C) at 190 psi (60 °C) | 180 °F (82 °C) at 100 psi (82 °C) | 0.22                     |
| Uponor PP-RCT Fitting Reducer, 3" x 1 1/2            | PR4773015   | 73 °F (23 °C) at 340 psi (23 °C) | 140 °F (60 °C) at 190 psi (60 °C) | 180 °F (82 °C) at 100 psi (82 °C) | 0.35                     |
| Uponor PP-RCT Fitting Reducer, 3" x 2                | PR4773020   | 73 °F (23 °C) at 340 psi (23 °C) | 140 °F (60 °C) at 190 psi (60 °C) | 180 °F (82 °C) at 100 psi (82 °C) | 0.36                     |
| Uponor PP-RCT Fitting Reducer, 3" x 2 1/2            | PR4773025   | 73 °F (23 °C) at 340 psi (23 °C) | 140 °F (60 °C) at 190 psi (60 °C) | 180 °F (82 °C) at 100 psi (82 °C) | 0.7                      |

|   |             |                                  |                                   |                                   |      |
|---|-------------|----------------------------------|-----------------------------------|-----------------------------------|------|
| Uponor PP-RCT Fitting Reducer, 3/4" x 1/2         | PR4777550   | 73 °F (23 °C) at 340 psi (23 °C) | 140 °F (60 °C) at 190 psi (60 °C) | 180 °F (82 °C) at 100 psi (82 °C) | 0.02 |
| Uponor PP-RCT Fitting Reducer, 1" x 3/4           | PR4771075   | 73 °F (23 °C) at 340 psi (23 °C) | 140 °F (60 °C) at 190 psi (60 °C) | 180 °F (82 °C) at 100 psi (82 °C) | 0.04 |
| Uponor PP-RCT Fitting Reducer, 1 1/2" x 3/4       | PR4771575   | 73 °F (23 °C) at 340 psi (23 °C) | 140 °F (60 °C) at 190 psi (60 °C) | 180 °F (82 °C) at 100 psi (82 °C) | 0.08 |
| Uponor PP-RCT Fitting Reducer, 4" x 3", SDR 11    | PR114774030 | 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)  | 0.58 |
| Uponor PP-RCT Fitting Reducer, 4" x 2 1/2", SDR 9 | PR94774025  | 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) | 0.82 |
| Uponor PP-RCT Fitting Reducer, 4" x 3", SDR 9     | PR94774030  | 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) | 0.89 |

| Part name                                      | Part no. | Codes       | Standards   | Listings  |
|--|----------|-------------|---|---|
| Uponor PP-RCT fitting reducers (socket fusion) | All      | CMC IMC UMC | NSF/ANSI/CAN 61 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 socket-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> |