

Uponor PP-RCT fitting reducers (socket fusion)

Project information

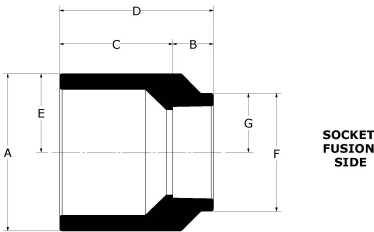
|                                |                 |
|--------------------------------|-----------------|
| Job name:                      | Location:       |
| Engineer:                      | Date submitted: |
| Contractor:                    | Submitted by:   |
| Manufacturer's representative: | Approved 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 water for hydronic heating and cooling or industrial applications.



| Part name                                            | Part no.    | A<br>[inch] | B<br>[inch] | C<br>[inch] | D<br>[inch] | E<br>[inch] | F<br>[inch] | G<br>[inch] | Equivalent<br>length<br>through<br>[ft] | End<br>Type<br>1 | End<br>Type<br>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       | 0.756       | 0.378       | 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       | 1.228       | 0.614       | 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       | 0.756       | 0.378       | 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       | 0.952       | 0.476       | 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       | 1.224       | 0.612       | 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       | 1.543       | 0.772       | 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       | 0.756       | 0.378       | 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        | 1.232       | 0.616       | 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        | 1.543       | 0.772       | 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        | 1.937       | 0.969       | 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        | 0.96        | 0.48        | 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       | 1.224       | 0.612       | 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       | 1.535       | 0.768       | 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       | 1.925       | 0.963       | 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       | 2.448       | 1.224       | 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       | 0.756       | 0.378       | 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 | 0.952 | 0.476 | 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 | 1.925 | 0.963 | 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 | 2.437 | 1.218 | 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  | 2.922 | 1.461 | 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 | 0.756 | 0.378 | 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 | 0.953 | 0.476 | 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 | 0.952 | 0.476 | 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 | ASTM E84 NSF-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 |

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