

# Uponor PP-RCT reducing tees (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 340 psi (23.44 bar)<br>140 °F (60 °C) at 190 psi (13.1 bar)<br>180 °F (82 °C) at 100 psi (6.9 bar) |

## Product Information and application use

Use Uponor PP-RCT Socket-Fusion Reducing Tees 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] | H [inch] | I [inch] | J [inch] |
|--|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Uponor PP-RCT Reducing Tee, 1" x 1" x 1/2"           | PR4751150 | 0.728    | 0.482    | 0.482    | 0.728    | 0.65     | 0.61     | 2.421    | 2.144    | 1.768    | 0.557    |
| Uponor PP-RCT Reducing Tee, 1" x 1" x 3/4"           | PR4751175 | 0.728    | 0.571    | 0.571    | 0.728    | 0.669    | 0.669    | 2.598    | 2.224    | 1.772    | 0.689    |
| Uponor PP-RCT Reducing Tee, 1 1/4" x 1 1/4" x 1"     | PR4751331 | 0.846    | 0.669    | 0.669    | 0.846    | 0.846    | 0.748    | 3.031    | 2.713    | 2.236    | 0.886    |
| Uponor PP-RCT Reducing Tee, 1 1/4" x 1 1/4" x 1/2"   | PR4751350 | 0.827    | 0.449    | 0.449    | 0.827    | 0.846    | 0.61     | 2.551    | 2.579    | 2.244    | 0.557    |
| Uponor PP-RCT Reducing Tee, 1 1/4" x 1 1/4" x 3/4"   | PR4751375 | 0.846    | 0.551    | 0.551    | 0.846    | 0.925    | 0.571    | 2.795    | 2.614    | 2.236    | 0.699    |
| Uponor PP-RCT Reducing Tee, 1" x 1/2" x 1/2"         | PR4751550 | 0.571    | 0.551    | 0.409    | 0.713    | 0.65     | 0.571    | 2.244    | 2.045    | 1.65     | 0.512    |
| Uponor PP-RCT Reducing Tee, 1 1/2" x 1 1/2" x 1"     | PR4751551 | 0.925    | 0.689    | 0.689    | 0.925    | 0.98     | 0.713    | 3.228    | 2.99     | 2.594    | 0.825    |
| Uponor PP-RCT Reducing Tee, 1 1/2" x 1 1/2" x 1 1/4" | PR4751553 | 0.925    | 0.846    | 0.846    | 0.925    | 1.004    | 0.807    | 3.543    | 3.108    | 2.594    | 1.024    |
| Uponor PP-RCT Reducing Tee, 1 1/2" x 1 1/2" x 3/4"   | PR4751575 | 0.925    | 0.531    | 0.531    | 0.925    | 0.984    | 0.63     | 2.913    | 2.911    | 2.594    | 0.644    |
| Uponor PP-RCT Reducing Tee, 1" x 3/4" x 3/4"         | PR4751775 | 0.63     | 0.571    | 0.488    | 0.713    | 0.669    | 0.63     | 2.402    | 2.124    | 1.65     | 0.644    |
| Uponor PP-RCT Reducing Tee, 2" x 2" x 1"             | PR4752210 | 1.079    | 0.693    | 0.693    | 1.079    | 1.256    | 0.713    | 3.543    | 3.6      | 3.264    | 0.825    |
| Uponor PP-RCT Reducing Tee, 2" x 2" x 1 1/4"         | PR4752213 | 1.079    | 0.85     | 0.85     | 1.079    | 1.24     | 0.807    | 3.858    | 3.679    | 3.264    | 1.024    |
| Uponor PP-RCT Reducing Tee, 2" x 2" x 1 1/2"         | PR4752215 | 1.079    | 1.047    | 1.047    | 1.079    | 1.28     | 0.925    | 4.252    | 3.837    | 3.264    | 1.297    |
| Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 1"     | PR4752510 | 1.181    | 0.709    | 0.709    | 1.181    | 1.472    | 0.713    | 3.78     | 4.14     | 3.909    | 0.825    |
| Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 1 1/4" | PR4752513 | 1.181    | 0.866    | 0.866    | 1.181    | 1.476    | 0.807    | 4.094    | 4.238    | 3.909    | 1.024    |
| Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 1 1/2" | PR4752515 | 1.181    | 1.024    | 1.024    | 1.181    | 1.476    | 0.925    | 4.409    | 4.356    | 3.909    | 1.297    |
| Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 2"     | PR4752520 | 1.181    | 1.28     | 1.28     | 1.181    | 1.48     | 1.079    | 4.921    | 4.514    | 3.909    | 1.632    |
| Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 3/4"   | PR4752575 | 1.181    | 0.591    | 0.591    | 1.181    | 1.496    | 0.63     | 3.543    | 4.081    | 3.909    | 0.644    |
| Uponor PP-RCT Reducing Tee, 3" x 3" x 1"             | PR4753310 | 1.299    | 0.748    | 0.748    | 1.299    | 1.807    | 0.713    | 4.094    | 4.868    | 4.697    | 0.825    |
| Uponor PP-RCT Reducing Tee, 3" x 3" x 1 1/4"         | PR4753313 | 1.299    | 0.866    | 0.866    | 1.299    | 1.791    | 0.807    | 4.331    | 4.947    | 4.697    | 1.024    |
| Uponor PP-RCT Reducing Tee, 3" x 3" x 1 1/2"         | PR4753315 | 1.299    | 1.063    | 1.063    | 1.299    | 1.791    | 0.925    | 4.724    | 5.065    | 4.697    | 1.297    |
| Uponor PP-RCT Reducing Tee, 3" x 3" x 2"             | PR4753320 | 1.299    | 1.299    | 1.299    | 1.299    | 1.795    | 1.079    | 5.197    | 5.222    | 4.697    | 1.632    |
| Uponor PP-RCT Reducing Tee, 4" x 4" x 2 1/2"         | PR4754425 | 1.575    | 1.575    | 1.575    | 1.575    | 2.52     | 1.181    | 6.299    | 6.972    | 6.543    | 1.955    |
| Uponor PP-RCT Reducing Tee, 4" x 4" x 3"             | PR4754430 | 1.575    | 1.811    | 1.811    | 1.575    | 2.48     | 1.299    | 6.772    | 7.051    | 6.543    | 2.348    |
| Uponor PP-RCT Reducing Tee, 1/2" x 1/2" x 3/4"       | PR4755075 | 0.606    | 0.476    | 0.476    | 0.606    | 0.441    | 0.661    | 2.165    | 1.654    | 1.102    | 0.689    |
| Uponor PP-RCT Reducing Tee, 3/4" x 3/4" x 1/2"       | PR4757550 | 0.65     | 0.443    | 0.443    | 0.65     | 0.472    | 0.61     | 2.185    | 1.772    | 1.378    | 0.557    |
| Uponor PP-RCT Reducing Tee, 3" x 3" x 2 1/2"         | PR4753325 | 1.299    | 1.535    | 1.535    | 1.299    | 1.811    | 1.181    | 5.669    | 5.341    | 4.697    | 1.955    |

| Part name  | Part no.  | K [inch] | 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, 1" x 1" x 1/2"           | PR4751150 | 0.884    | 2.6                           | 0.9                            | Socket 1"     | Socket 1"     | Socket 1/2"   | 0.12                     |
| Uponor PP-RCT Reducing Tee, 1" x 1" x 3/4"           | PR4751175 | 0.886    | 3.3                           | 0.9                            | Socket 1"     | Socket 1"     | Socket 3/4"   | 0.13                     |
| Uponor PP-RCT Reducing Tee, 1 1/4" x 1 1/4" x 1"     | PR4751331 | 1.118    | 4.2                           | 1.1                            | Socket 1-1/4" | Socket 1-1/4" | Socket 1"     | 0.24                     |
| Uponor PP-RCT Reducing Tee, 1 1/4" x 1 1/4" x 1/2"   | PR4751350 | 1.122    | 2.6                           | 1.1                            | Socket 1-1/4" | Socket 1-1/4" | Socket 1/2"   | 0.19                     |
| Uponor PP-RCT Reducing Tee, 1 1/4" x 1 1/4" x 3/4"   | PR4751375 | 1.118    | 3.3                           | 1.1                            | Socket 1-1/4" | Socket 1-1/4" | Socket 3/4"   | 0.21                     |
| Uponor PP-RCT Reducing Tee, 1" x 1/2" x 1/2"         | PR4751550 | 0.825    | 2.6                           | 0.5                            | Socket 1"     | Socket 1/2"   | Socket 1/2"   | 0.1                      |
| Uponor PP-RCT Reducing Tee, 1 1/2" x 1 1/2" x 1"     | PR4751551 | 1.297    | 4.2                           | 1.4                            | Socket 1-1/2" | Socket 1-1/2" | Socket 1"     | 0.3                      |
| Uponor PP-RCT Reducing Tee, 1 1/2" x 1 1/2" x 1 1/4" | PR4751553 | 1.297    | 5.2                           | 1.4                            | Socket 1-1/2" | Socket 1-1/2" | Socket 1-1/4" | 0.34                     |
| Uponor PP-RCT Reducing Tee, 1 1/2" x 1 1/2" x 3/4"   | PR4751575 | 1.297    | 3.3                           | 1.4                            | Socket 1-1/2" | Socket 1-1/2" | Socket 3/4"   | 0.26                     |
| Uponor PP-RCT Reducing Tee, 1" x 3/4" x 3/4"         | PR4751775 | 0.825    | 3.3                           | 0.7                            | Socket 1"     | Socket 3/4"   | Socket 3/4"   | 0.11                     |
| Uponor PP-RCT Reducing Tee, 2" x 2" x 1"             | PR4752210 | 1.632    | 4.2                           | 1.7                            | Socket 2"     | Socket 2"     | Socket 1"     | 0.5                      |
| Uponor PP-RCT Reducing Tee, 2" x 2" x 1 1/4"         | PR4752213 | 1.632    | 5.2                           | 1.7                            | Socket 2"     | Socket 2"     | Socket 1-1/4" | 0.55                     |
| Uponor PP-RCT Reducing Tee, 2" x 2" x 1 1/2"         | PR4752215 | 1.632    | 6.6                           | 1.7                            | Socket 2"     | Socket 2"     | Socket 1-1/2" | 0.63                     |
| Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 1"     | PR4752510 | 1.955    | 4.2                           | 2.1                            | Socket 2-1/2" | Socket 2-1/2" | Socket 1"     | 0.76                     |
| Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 1 1/4" | PR4752513 | 1.955    | 5.2                           | 2.1                            | Socket 2-1/2" | Socket 2-1/2" | Socket 1-1/4" | 0.84                     |
| Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 1 1/2" | PR4752515 | 1.955    | 6.6                           | 2.1                            | Socket 2-1/2" | Socket 2-1/2" | Socket 1-1/2" | 0.91                     |
| Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 2"     | PR4752520 | 1.955    | 8.3                           | 2.1                            | Socket 2-1/2" | Socket 2-1/2" | Socket 2"     | 1.07                     |
| Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 3/4"   | PR4752575 | 1.955    | 3.3                           | 2.1                            | Socket 2-1/2" | Socket 2-1/2" | Socket 3/4"   | 0.75                     |
| Uponor PP-RCT Reducing Tee, 3" x 3" x 1"             | PR4753310 | 2.348    | 4.2                           | 2.5                            | Socket 3"     | Socket 3"     | Socket 1"     | 1.2                      |
| Uponor PP-RCT Reducing Tee, 3" x 3" x 1 1/4"         | PR4753313 | 2.348    | 5.2                           | 2.5                            | Socket 3"     | Socket 3"     | Socket 1-1/4" | 1.27                     |
| Uponor PP-RCT Reducing Tee, 3" x 3" x 1 1/2"         | PR4753315 | 2.348    | 6.6                           | 2.5                            | Socket 3"     | Socket 3"     | Socket 1-1/2" | 1.41                     |
| Uponor PP-RCT Reducing Tee, 3" x 3" x 2"             | PR4753320 | 2.348    | 8.3                           | 2.5                            | Socket 3"     | Socket 3"     | Socket 2"     | 1.56                     |
| Uponor PP-RCT Reducing Tee, 4" x 4" x 2 1/2"         | PR4754425 | 3.272    | 9.8                           | 4.2                            | Socket 4"     | Socket 4"     | Socket 2-1/2" | 3.62                     |
| Uponor PP-RCT Reducing Tee, 4" x 4" x 3"             | PR4754430 | 3.272    | 11.8                          | 4.2                            | Socket 4"     | Socket 4"     | Socket 3"     | 3.94                     |
| Uponor PP-RCT Reducing Tee, 1/2" x 1/2" x 3/4"       | PR4755075 | 0.551    | 3.3                           | 0.5                            | Socket 1/2"   | Socket 1/2"   | Socket 3/4"   | 0.06                     |
| Uponor PP-RCT Reducing Tee, 3/4" x 3/4" x 1/2"       | PR4757550 | 0.689    | 2.6                           | 0.7                            | Socket 3/4"   | Socket 3/4"   | Socket 1/2"   | 0.07                     |
| Uponor PP-RCT Reducing Tee, 3" x 3" x 2 1/2"         | PR4753325 | 2.348    | 9.8                           | 2.5                            | Socket 3"     | Socket 3"     | Socket 2-1/2" | 1.78                     |

| Part name   | Part no.  | Codes       | Standards                                   | Listings  |
|---|-----------|-------------|---|---|
| Uponor PP-RCT reducing tees (socket fusion)                                     | All       | CMC IMC UMC | 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, 1" x 1" x 1/2                                       | PR4751150 |             | NSF/ANSI/CAN 61                             |   |
| Uponor PP-RCT Reducing Tee, 1" x 1" x 3/4                                       | PR4751175 |             | NSF/ANSI/CAN 61                             |   |
| Uponor PP-RCT Reducing Tee, 1 1/4" x 1 1/4" x 1                                 | PR4751331 |             | NSF/ANSI/CAN 61                             |   |
| Uponor PP-RCT Reducing Tee, 1 1/4" x 1 1/4" x 1/2                               | PR4751350 |             | NSF/ANSI/CAN 61                             |   |
| Uponor PP-RCT Reducing Tee, 1 1/4" x 1 1/4" x 3/4                               | PR4751375 |             | NSF/ANSI/CAN 61                             |   |
| Uponor PP-RCT Reducing Tee, 1" x 1/2" x 1/2                                     | PR4751550 |             | NSF/ANSI/CAN 61                             |   |
| Uponor PP-RCT Reducing Tee, 1 1/2" x 1 1/2" x 1                                 | PR4751551 |             | NSF/ANSI/CAN 61                             |   |
| Uponor PP-RCT Reducing Tee, 1 1/2" x 1 1/2" x 1 1/4                             | PR4751553 |             | NSF/ANSI/CAN 61                             |   |
| Uponor PP-RCT Reducing Tee, 1 1/2" x 1 1/2" x 3/4                               | PR4751575 |             | NSF/ANSI/CAN 61                             |   |
| Uponor PP-RCT Reducing Tee, 1" x 3/4" x 3/4                                     | PR4751775 |             | NSF/ANSI/CAN 61                             |   |
| Uponor PP-RCT Reducing Tee, 2" x 2" x 1   | PR4752210 |             | NSF/ANSI/CAN 61                             |   |
| Uponor PP-RCT Reducing Tee, 2" x 2" x 1 1/4                                     | PR4752213 |             | NSF/ANSI/CAN 61                             |   |
| Uponor PP-RCT Reducing Tee, 2" x 2" x 1 1/2                                     | PR4752215 |             | NSF/ANSI/CAN 61                             |   |
| Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 1                                 | PR4752510 |             | NSF/ANSI/CAN 61                             |   |
| Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 1 1/4                             | PR4752513 |             | NSF/ANSI/CAN 61                             |   |
| Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 1 1/2                             | PR4752515 |             | NSF/ANSI/CAN 61                             |   |
| Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 2                                 | PR4752520 |             | NSF/ANSI/CAN 61                             |   |
| Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 3/4                               | PR4752575 |             | NSF/ANSI/CAN 61                             |   |
| Uponor PP-RCT Reducing Tee, 3" x 3" x 1   | PR4753310 |             | NSF/ANSI/CAN 61                             |   |
| Uponor PP-RCT Reducing Tee, 3" x 3" x 1 1/4                                     | PR4753313 |             | NSF/ANSI/CAN 61                             |   |
| Uponor PP-RCT Reducing Tee, 3" x 3" x 1 1/2                                     | PR4753315 |             | NSF/ANSI/CAN 61                             |   |
| Uponor PP-RCT Reducing Tee, 3" x 3" x 2   | PR4753320 |             | NSF/ANSI/CAN 61                             |   |
| Uponor PP-RCT Reducing Tee, 4" x 4" x 2 1/2                                     | PR4754425 |             | NSF/ANSI/CAN 61                             |   |
| Uponor PP-RCT Reducing Tee, 4" x 4" x 3   | PR4754430 |             | NSF/ANSI/CAN 61                             |   |
| Uponor PP-RCT Reducing Tee, 1/2" x 1/2" x 3/4                                   | PR4755075 |             | NSF/ANSI/CAN 61                             |   |
| Uponor PP-RCT Reducing Tee, 3/4" x 3/4" x 1/2                                   | PR4757550 |             | NSF/ANSI/CAN 61                             |   |

| 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> |