

Uponor PP-RCT reducing tees, mechanical (socket fusion)

Project information

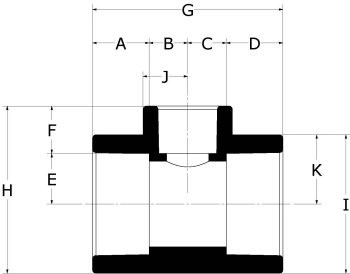
|                                |                 |
|--------------------------------|-----------------|
| Job name:                      | Location:       |
| Engineer:                      | Date submitted: |
| Contractor:                    | Submitted by:   |
| Manufacturer's representative: | Approved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

Technical data

|                       |                                      |
|-----------------------|--------------------------------------|
| Material              | PP-RCT                               |
| Temp/pressure ratings | 73 °F (23 °C) at 340 psi (23.44 bar) |
|                       | 140 °F (60 °C) at 190 psi (13.1 bar) |
|                       | 180 °F (82 °C) at 100 psi (6.9 bar)  |

Product information and application use

Use Uponor PP-RCT reducing tees 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] | H<br>[inch] | I<br>[inch] | J<br>[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 3/4           | PR4752275 | 1.083       | 0.728       | 0.728       | 1.083       | 1.213       | 0.748       | 3.622       | 3.593       | 3.264       | 0.831       |
| 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 3/4           | PR4752275 | 1.632    | 0.8                           | 1.7                            | Socket 2"     | Socket 2"     | Socket 3/4"   | 0.49                     |
| 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, mechanical (socket 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 Reducing Tee, 1" x 1" x 1/2                                       | PR4751150 |             | NSF-14                          |                                                         |
| Uponor PP-RCT Reducing Tee, 1" x 1" x 3/4                                       | PR4751175 |             | NSF-14                          |                                                         |
| Uponor PP-RCT Reducing Tee, 1 1/4" x 1 1/4" x 1                                 | PR4751331 |             | NSF-14                          |                                                         |
| Uponor PP-RCT Reducing Tee, 1 1/4" x 1 1/4" x 1/2                               | PR4751350 |             | NSF-14                          |                                                         |
| Uponor PP-RCT Reducing Tee, 1 1/4" x 1 1/4" x 3/4                               | PR4751375 |             | NSF-14                          |                                                         |
| Uponor PP-RCT Reducing Tee, 1" x 1/2" x 1/2                                     | PR4751550 |             | NSF-14                          |                                                         |
| Uponor PP-RCT Reducing Tee, 1 1/2" x 1 1/2" x 1                                 | PR4751551 |             | NSF-14                          |                                                         |
| Uponor PP-RCT Reducing Tee, 1 1/2" x 1 1/2" x 1 1/4                             | PR4751553 |             | NSF-14                          |                                                         |
| Uponor PP-RCT Reducing Tee, 1 1/2" x 1 1/2" x 3/4                               | PR4751575 |             | NSF-14                          |                                                         |
| Uponor PP-RCT Reducing Tee, 1" x 3/4" x 3/4                                     | PR4751775 |             | NSF-14                          |                                                         |
| Uponor PP-RCT Reducing Tee, 2" x 2" x 3/4                                       | PR4752275 |             | NSF/ANSI 14 NSF/ANSI 14         |                                                         |
| Uponor PP-RCT Reducing Tee, 2" x 2" x 1                                         | PR4752210 |             | NSF-14                          |                                                         |
| Uponor PP-RCT Reducing Tee, 2" x 2" x 1 1/4                                     | PR4752213 |             | NSF-14                          |                                                         |
| Uponor PP-RCT Reducing Tee, 2" x 2" x 1 1/2                                     | PR4752215 |             | NSF-14                          |                                                         |
| Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 1                                 | PR4752510 |             | NSF-14                          |                                                         |
| Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 1 1/4                             | PR4752513 |             | NSF-14                          |                                                         |
| Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 1 1/2                             | PR4752515 |             | NSF-14                          |                                                         |
| Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 2                                 | PR4752520 |             | NSF-14                          |                                                         |
| Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 3/4                               | PR4752575 |             | NSF-14                          |                                                         |
| Uponor PP-RCT Reducing Tee, 3" x 3" x 1                                         | PR4753310 |             | NSF-14                          |                                                         |
| Uponor PP-RCT Reducing Tee, 3" x 3" x 1 1/4                                     | PR4753313 |             | NSF-14                          |                                                         |
| Uponor PP-RCT Reducing Tee, 3" x 3" x 1 1/2                                     | PR4753315 |             | NSF-14                          |                                                         |
| Uponor PP-RCT Reducing Tee, 3" x 3" x 2                                         | PR4753320 |             | NSF-14                          |                                                         |
| Uponor PP-RCT Reducing Tee, 4" x 4" x 2 1/2                                     | PR4754425 |             | NSF-14                          |                                                         |
| Uponor PP-RCT Reducing Tee, 4" x 4" x 3                                         | PR4754430 |             | NSF-14                          |                                                         |
| Uponor PP-RCT Reducing Tee, 1/2" x 1/2" x 3/4                                   | PR4755075 |             | NSF-14                          |                                                         |
| Uponor PP-RCT Reducing Tee, 3/4" x 3/4" x 1/2                                   | PR4757550 |             | NSF-14                          |                                                         |
| Uponor PP-RCT Reducing Tee, 3" x 3" x 2 1/2                                     | PR4753325 |             | NSF-14                          |                                                         |

| 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    |                         |
|-----------|--|------------------------|-------------------------|
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