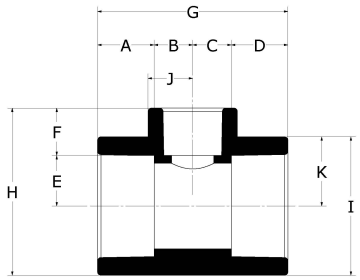
# Uponor PP-RCT reducing tees, mechanical (socket fusion)

## Project information

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

## 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 [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 3/4 | PR4752275 | - | - | - | - | - | - | - | - | - | - |
| | 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 |

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| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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] | Material group | End Type 1 | End Type 2 | End Type 3 | Operating Temperature 1 [°F] | Operating Temperature 2 [°F] | Operating Temperature 3 [°F] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Uponor PP-RCT Reducing Tee, 1" x 1" x 1/2 | PR4751150 | 0.884 | 2.6 | 0.9 | PP-RCT | Socket 1" | Socket 1" | Socket 1/2" | 73 | 140 | 180 |
| | Uponor PP-RCT Reducing Tee, 1" x 1" x 3/4 | PR4751175 | 0.886 | 3.3 | 0.9 | PP-RCT | Socket 1" | Socket 1" | Socket 3/4" | 73 | 140 | 180 |
| ✔ | Uponor PP-RCT Reducing Tee, 1 1/4" x 1 1/4" x 1 | PR4751331 | 1.118 | 4.2 | 1.1 | PP-RCT | Socket 1-1/4" | Socket 1-1/4" | Socket 1" | 73 | 140 | 180 |
| | Uponor PP-RCT Reducing Tee, 1 1/4" x 1 1/4" x 1/2 | PR4751350 | 1.122 | 2.6 | 1.1 | PP-RCT | Socket 1-1/4" | Socket 1-1/4" | Socket 1/2" | 73 | 140 | 180 |
| | Uponor PP-RCT Reducing Tee, 1 1/4" x 1 1/4" x 3/4 | PR4751375 | 1.118 | 3.3 | 1.1 | PP-RCT | Socket 1-1/4" | Socket 1-1/4" | Socket 3/4" | 73 | 140 | 180 |
| | Uponor PP-RCT Reducing Tee, 1" x 1/2" x 1/2 | PR4751550 | 0.825 | 2.6 | 0.5 | PP-RCT | Socket 1" | Socket 1/2" | Socket 1/2" | 73 | 140 | 180 |
| | Uponor PP-RCT Reducing Tee, 1 1/2" x 1 1/2" x 1 | PR4751551 | 1.297 | 4.2 | 1.4 | PP-RCT | Socket 1-1/2" | Socket 1-1/2" | Socket 1" | 73 | 140 | 180 |
| | Uponor PP-RCT Reducing Tee, 1 1/2" x 1 1/2" x 1 1/4 | PR4751553 | 1.297 | 5.2 | 1.4 | PP-RCT | Socket 1-1/2" | Socket 1-1/2" | Socket 1-1/4" | 73 | 140 | 180 |
| | Uponor PP-RCT Reducing Tee, 1 1/2" x 1 1/2" x 3/4 | PR4751575 | 1.297 | 3.3 | 1.4 | PP-RCT | Socket 1-1/2" | Socket 1-1/2" | Socket 3/4" | 73 | 140 | 180 |
| | Uponor PP-RCT Reducing Tee, 1" x 3/4" x 3/4 | PR4751775 | 0.825 | 3.3 | 0.7 | PP-RCT | Socket 1" | Socket 3/4" | Socket 3/4" | 73 | 140 | 180 |
| | Uponor PP-RCT Reducing Tee, 2" x 2" x 3/4 | PR4752275 | - | - | - | - | - | - | - | - | - | - |
| | Uponor PP-RCT Reducing Tee, 2" x 2" x 1 | PR4752210 | 1.632 | 4.2 | 1.7 | PP-RCT | Socket 2" | Socket 2" | Socket 1" | 73 | 140 | 180 |
| | Uponor PP-RCT Reducing Tee, 2" x 2" x 1 1/4 | PR4752213 | 1.632 | 5.2 | 1.7 | PP-RCT | Socket 2" | Socket 2" | Socket 1-1/4" | 73 | 140 | 180 |
| | Uponor PP-RCT Reducing Tee, 2" x 2" x 1 1/2 | PR4752215 | 1.632 | 6.6 | 1.7 | PP-RCT | Socket 2" | Socket 2" | Socket 1-1/2" | 73 | 140 | 180 |
| | Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 1 | PR4752510 | 1.955 | 4.2 | 2.1 | PP-RCT | Socket 2-1/2" | Socket 2-1/2" | Socket 1" | 73 | 140 | 180 |
| | Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 1 1/4 | PR4752513 | 1.955 | 5.2 | 2.1 | PP-RCT | Socket 2-1/2" | Socket 2-1/2" | Socket 1-1/4" | 73 | 140 | 180 |
| | Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 1 1/2 | PR4752515 | 1.955 | 6.6 | 2.1 | PP-RCT | Socket 2-1/2" | Socket 2-1/2" | Socket 1-1/2" | 73 | 140 | 180 |
| | Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 2 | PR4752520 | 1.955 | 8.3 | 2.1 | PP-RCT | Socket 2-1/2" | Socket 2-1/2" | Socket 2" | 73 | 140 | 180 |
| | Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 3/4 | PR4752575 | 1.955 | 3.3 | 2.1 | PP-RCT | Socket 2-1/2" | Socket 2-1/2" | Socket 3/4" | 73 | 140 | 180 |
| | Uponor PP-RCT Reducing Tee, 3" x 3" x 1 | PR4753310 | 2.348 | 4.2 | 2.5 | PP-RCT | Socket 3" | Socket 3" | Socket 1" | 73 | 140 | 180 |
| | Uponor PP-RCT Reducing Tee, 3" x 3" x 1 1/4 | PR4753313 | 2.348 | 5.2 | 2.5 | PP-RCT | Socket 3" | Socket 3" | Socket 1-1/4" | 73 | 140 | 180 |
| | Uponor PP-RCT Reducing Tee, 3" x 3" x 1 1/2 | PR4753315 | 2.348 | 6.6 | 2.5 | PP-RCT | Socket 3" | Socket 3" | Socket 1-1/2" | 73 | 140 | 180 |
| | Uponor PP-RCT Reducing Tee, 3" x 3" x 2 | PR4753320 | 2.348 | 8.3 | 2.5 | PP-RCT | Socket 3" | Socket 3" | Socket 2" | 73 | 140 | 180 |
| | Uponor PP-RCT | PR4754425 | 3.272 | 9.8 | 4.2 | PP-RCT | Socket | Socket | Socket | 73 | 140 | 180 |

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| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Reducing Tee, 4" x 4" x 2 1/2 | | | | | | 4" | 4" | 2-1/2" | | | |
| | Uponor PP-RCT Reducing Tee, 4" x 4" x 3 | PR4754430 | 3.272 | 11.8 | 4.2 | PP-RCT | Socket 4" | Socket 4" | Socket 3" | 73 | 140 | 180 |
| | Uponor PP-RCT Reducing Tee, 1/2" x 1/2" x 3/4 | PR4755075 | 0.551 | 3.3 | 0.5 | PP-RCT | Socket 1/2" | Socket 1/2" | Socket 3/4" | 73 | 140 | 180 |
| | Uponor PP-RCT Reducing Tee, 3/4" x 3/4" x 1/2 | PR4757550 | 0.689 | 2.6 | 0.7 | PP-RCT | Socket 3/4" | Socket 3/4" | Socket 1/2" | 73 | 140 | 180 |
| | Uponor PP-RCT Reducing Tee, 3" x 3" x 2 1/2 | PR4753325 | 2.348 | 9.8 | 2.5 | PP-RCT | Socket 3" | Socket 3" | Socket 2-1/2" | 73 | 140 | 180 |

| | Part name | Part no. | Weight per UOM [lbs/UOM] |
|---|---|---|---|
| | Uponor PP-RCT Reducing Tee, 1" x 1" x 1/2 | PR4751150 | 0.12 |
| | Uponor PP-RCT Reducing Tee, 1" x 1" x 3/4 | PR4751175 | 0.13 |
| ✔ | Uponor PP-RCT Reducing Tee, 1 1/4" x 1 1/4" x 1 | PR4751331 | 0.24 |
| | Uponor PP-RCT Reducing Tee, 1 1/4" x 1 1/4" x 1/2 | PR4751350 | 0.19 |
| | Uponor PP-RCT Reducing Tee, 1 1/4" x 1 1/4" x 3/4 | PR4751375 | 0.21 |
| | Uponor PP-RCT Reducing Tee, 1" x 1/2" x 1/2 | PR4751550 | 0.1 |
| | Uponor PP-RCT Reducing Tee, 1 1/2" x 1 1/2" x 1 | PR4751551 | 0.3 |
| | Uponor PP-RCT Reducing Tee, 1 1/2" x 1 1/2" x 1 1/4 | PR4751553 | 0.34 |
| | Uponor PP-RCT Reducing Tee, 1 1/2" x 1 1/2" x 3/4 | PR4751575 | 0.26 |
| | Uponor PP-RCT Reducing Tee, 1" x 3/4" x 3/4 | PR4751775 | 0.11 |
| | Uponor PP-RCT Reducing Tee, 2" x 2" x 3/4 | PR4752275 | - |
| | Uponor PP-RCT Reducing Tee, 2" x 2" x 1 | PR4752210 | 0.5 |
| | Uponor PP-RCT Reducing Tee, 2" x 2" x 1 1/4 | PR4752213 | 0.55 |
| | Uponor PP-RCT Reducing Tee, 2" x 2" x 1 1/2 | PR4752215 | 0.63 |
| | Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 1 | PR4752510 | 0.76 |
| | Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 1 1/4 | PR4752513 | 0.84 |
| | Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 1 1/2 | PR4752515 | 0.91 |
| | Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 2 | PR4752520 | 1.07 |
| | Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 3/4 | PR4752575 | 0.75 |
| | Uponor PP-RCT Reducing Tee, 3" x 3" x 1 | PR4753310 | 1.2 |
| | Uponor PP-RCT Reducing Tee, 3" x 3" x 1 1/4 | PR4753313 | 1.27 |
| | Uponor PP-RCT Reducing Tee, 3" x 3" x 1 1/2 | PR4753315 | 1.41 |
| | Uponor PP-RCT Reducing Tee, 3" x 3" x 2 | PR4753320 | 1.56 |
| | Uponor PP-RCT Reducing Tee, 4" x 4" x 2 1/2 | PR4754425 | 3.62 |
| | Uponor PP-RCT Reducing Tee, 4" x 4" x 3 | PR4754430 | 3.94 |
| | Uponor PP-RCT Reducing Tee, 1/2" x 1/2" x 3/4 | PR4755075 | 0.06 |
| | Uponor PP-RCT Reducing Tee, 3/4" x 3/4" x 1/2 | PR4757550 | 0.07 |
| | Uponor PP-RCT Reducing Tee, 3" x 3" x 2 1/2 | PR4753325 | 1.78 |

| Part name | Part no. | Codes | Standards | Listings |
|---|---|---|---|---|
| Uponor PP-RCT reducing tees, mechanical (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 |

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| Footnotes | Contact information | |
|---|---|---|
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| - | | |

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