

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

Project Information

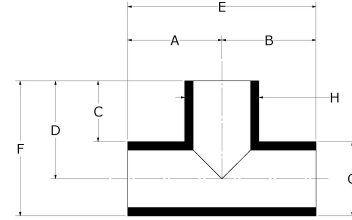
| | |
|--------------------------------|-----------------|
| Job name: | Location: |
| Engineer: | Date submitted: |
| Contractor: | Submitted by: |
| Manufacturer's representative: | Approved by: |

Technical data

Material PP-RCT

Product information and application use

Use Uponor PP-RCT fabricated 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] | Equivalent length branch [ft] | Equivalent length through [ft] |
|---|--------------|----------|----------|----------|----------|----------|----------|----------|----------|-------------------------------|--------------------------------|
| Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 4", SDR 11 | PR1147566400 | 11.811 | 11.811 | 12.598 | 15.748 | 23.622 | 18.898 | 6.299 | 4.921 | 20.1 | 5.4 |
| Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 4", SDR 17.6 | PR1747566400 | 11.811 | 11.811 | 12.598 | 15.748 | 23.622 | 18.898 | 6.299 | 4.921 | 20.1 | 5.8 |
| Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 4", SDR 17.6 | PR1747588400 | 13.78 | 13.78 | 29.803 | 33.74 | 27.559 | 37.677 | 7.874 | 4.921 | 20.1 | 7.3 |
| Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 4", SDR 9 | PR947566400 | 11.811 | 11.811 | 12.598 | 15.748 | 23.622 | 18.898 | 6.299 | 4.921 | 20.1 | 5 |
| Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 6", SDR 11 | PR114751060 | 15.748 | 15.748 | 18.898 | 23.819 | 31.496 | 28.74 | 9.843 | 6.299 | 25.8 | 8.4 |
| Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 8", SDR 11 | PR114751080 | 15.748 | 15.748 | 18.386 | 23.307 | 31.496 | 28.228 | 9.843 | 7.874 | 32.2 | 8.4 |
| Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 10", SDR 11 | PR114751210 | 19.783 | 19.783 | 21.26 | 27.461 | 39.567 | 33.661 | 12.402 | 9.843 | 40.3 | 10.6 |
| Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 8", SDR 11 | PR1147512128 | 19.783 | 19.783 | 21.811 | 28.012 | 39.567 | 34.213 | 12.402 | 7.874 | 32.2 | 10.6 |
| Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 4", SDR 11 | PR1147588400 | 13.78 | 13.78 | 16.063 | 20 | 27.559 | 23.937 | 7.874 | 4.921 | 20.1 | 6.7 |
| Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 6", SDR 11 | PR1147588600 | 13.78 | 13.78 | 17.638 | 21.575 | 27.559 | 25.512 | 7.874 | 6.299 | 25.8 | 6.7 |
| Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 6", SDR 17.6 | PR174751060 | 15.748 | 15.748 | 18.898 | 23.819 | 31.496 | 28.74 | 9.843 | 6.299 | 27.9 | 9.1 |
| Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 8", SDR 17.6 | PR174751080 | 15.748 | 15.748 | 18.386 | 23.307 | 31.496 | 28.228 | 9.843 | 7.874 | 34.9 | 9.1 |
| Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 10", SDR 17.6 | PR174751210 | 19.783 | 19.783 | 21.26 | 27.461 | 39.567 | 33.661 | 12.402 | 9.843 | 43.6 | 11.5 |
| Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 8", SDR 17.6 | PR1747512128 | 19.783 | 19.783 | 21.811 | 28.012 | 39.567 | 34.213 | 12.402 | 7.874 | 34.9 | 11.5 |
| Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 6", SDR 17.6 | PR174758860 | 13.78 | 13.78 | 17.638 | 21.575 | 27.559 | 25.512 | 7.874 | 6.299 | 27.9 | 7.3 |
| Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 6", SDR 9 | PR9475101060 | 15.748 | 15.748 | 18.898 | 23.819 | 31.496 | 28.74 | 9.843 | 6.299 | 23.9 | 7.7 |
| Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 8", SDR 9 | PR9475101080 | 15.748 | 15.748 | 18.386 | 23.307 | 31.496 | 28.228 | 9.843 | 7.874 | 30.6 | 7.7 |
| Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 10", SDR 9 | PR9475121210 | 19.783 | 19.783 | 21.26 | 27.461 | 39.567 | 33.661 | 12.402 | 9.843 | 38.2 | 9.1 |
| Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 8", SDR 9 | PR947512128 | 19.783 | 19.783 | 21.811 | 28.012 | 39.567 | 34.213 | 12.402 | 7.874 | 30.6 | 9.1 |

| | | | | | | | | | | | |
|---|-------------|-------|-------|--------|--------|--------|--------|-------|-------|------|-----|
| Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 4", SDR 9 | PR947588400 | 13.78 | 13.78 | 16.063 | 20 | 27.559 | 23.937 | 7.874 | 4.921 | 20.1 | 6.2 |
| Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 6", SDR 9 | PR947588600 | 13.78 | 13.78 | 17.638 | 21.575 | 27.559 | 25.512 | 7.874 | 6.299 | 23.9 | 6.2 |

| Part name | Part no. | End Type 1 | End Type 2 | End Type 3 | Operating Temperature 1 [°F] | Operating Temperature 2 [°F] | Operating Temperature 3 [°F] | Weight per UOM [lbs/UOM] |
|---|--------------|------------|------------|------------|----------------------------------|-----------------------------------|-----------------------------------|--------------------------|
| Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 4", SDR 11 | PR1147566400 | Butt 6" | Butt 6" | Butt 4" | 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) | 12.71 |
| Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 4", SDR 17.6 | PR1747566400 | Butt 6" | Butt 6" | Butt 4" | 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) | 8.5 |
| Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 4", SDR 17.6 | PR1747588400 | Butt 8" | Butt 8" | Butt 4" | 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) | 16.08 |
| Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 4", SDR 9 | PR947566400 | Butt 6" | Butt 6" | Butt 4" | 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) | 15.31 |
| Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 6", SDR 11 | PR114751060 | Butt 10" | Butt 10" | Butt 6" | 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) | 39.04 |
| Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 8", SDR 11 | PR114751080 | Butt 10" | Butt 10" | Butt 8" | 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) | 39.49 |
| Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 10", SDR 11 | PR114751210 | Butt 12" | Butt 12" | Butt 10" | 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) | 76.66 |
| Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 8", SDR 11 | PR1147512128 | Butt 12" | Butt 12" | Butt 8" | 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) | 76.02 |
| Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 4", SDR 11 | PR1147588400 | Butt 8" | Butt 8" | Butt 4" | 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) | 22.12 |
| Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 6", SDR 11 | PR1147588600 | Butt 8" | Butt 8" | Butt 6" | 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) | 22.86 |
| Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 6", SDR 17.6 | PR174751060 | Butt 10" | Butt 10" | Butt 6" | 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) | 25.25 |
| Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 8", SDR 17.6 | PR174751080 | Butt 10" | Butt 10" | Butt 8" | 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) | 25.55 |
| Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 10", SDR 17.6 | PR174751210 | Butt 12" | Butt 12" | Butt 10" | 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) | 49.71 |
| Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 8", SDR 17.6 | PR1747512128 | Butt 12" | Butt 12" | Butt 8" | 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) | 49.3 |
| Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 6", SDR 17.6 | PR174758860 | Butt 8" | Butt 8" | Butt 6" | 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) | 14.81 |
| Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 6", SDR 9 | PR9475101060 | Butt 10" | Butt 10" | Butt 6" | 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) | 46.93 |
| Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 8", SDR 9 | PR9475101080 | Butt 10" | Butt 10" | Butt 8" | 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) | 47.48 |
| Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 10", SDR 9 | PR9475121210 | Butt 12" | Butt 12" | Butt 10" | 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) | 92.34 |
| Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 8", SDR 9 | PR947512128 | Butt 12" | Butt 12" | Butt 8" | 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) | 91.46 |
| Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 4", SDR 9 | PR947588400 | Butt 8" | Butt 8" | Butt 4" | 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) | 26.57 |
| Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 6", SDR 9 | PR947588600 | Butt 8" | Butt 8" | Butt 6" | 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) | 27.53 |

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

| Installation | Related applications |
|--|--|
| Use approved butt-fusion connection methods. Refer to the Uponor PP-RCT manual for complete details. | Hydronic heating and cooling systems Industrial |

| Footnotes | Contact information | | |
|---|--|---|---|
| - | <table border="0"> <tr> <td>Uponor Inc. 5925 148th Street West Apple Valley, MN 55124 T 800.321.4739 F 952.891.2008</td> <td>Uponor Ltd. 6510 Kennedy Road Mississauga, ON L5T 2X4 T 888.594.7726 F 800.638.9517</td> </tr> </table> | Uponor Inc. 5925 148th Street West Apple Valley, MN 55124 T 800.321.4739 F 952.891.2008 | Uponor Ltd. 6510 Kennedy Road Mississauga, ON L5T 2X4 T 888.594.7726 F 800.638.9517 |
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