

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

## Project Information

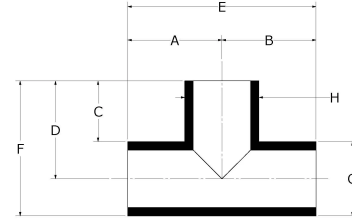
|                                |                 |
|--------------------------------|-----------------|
| Job name:                      | Location:       |
| Engineer:                      | Date submitted: |
| Contractor:                    | Submitted by:   |
| Manufacturer's representative: | Approved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

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