

# Uponor PP-RCT flange adapters (butt fusion)

## Project Information

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

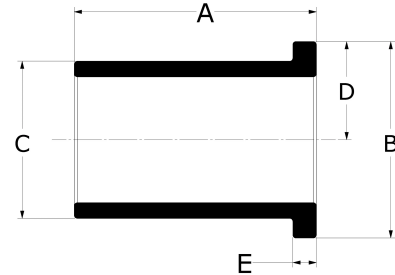
## Technical data

Material PP-RCT  
End type 2 Flange

## Product Information and application use

Use Uponor PP-RCT Butt-Fusion Flange Adapters 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.

Note: The 4" flange adapters can be butt fused or socket fused if used with the Uponor PP-RCT Coupling, 4" x 4" (PR4774040).



| Part name  | Part no.   | A [inch] | B [inch] | C [inch] | D [inch] | E [inch] | End Type 1 | Operating Temperature 1 [°F]     | Operating Temperature 2 [°F]      | Operating Temperature 3 [°F]      | Weight per UOM [lbs/UOM] |
|--|------------|----------|----------|----------|----------|----------|------------|----------------------------------|-----------------------------------|-----------------------------------|--------------------------|
| Uponor PP-RCT Flange Adapter, 10", SDR 11                                      | PR11298100 | 6.496    | 12.598   | 9.843    | 6.299    | 1.575    | 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)  | 7.16                     |
| Uponor PP-RCT Flange Adapter, 10", SDR 17.6                                    | PR17298100 | 6.496    | 12.598   | 9.843    | 6.299    | 1.575    | 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)  | 5.46                     |
| Uponor PP-RCT Flange Adapter, 10", SDR 9                                       | PR9298100  | 6.496    | 12.598   | 9.843    | 6.299    | 2.126    | 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) | 8.12                     |
| Uponor PP-RCT Flange Adapter, 12", SDR 11                                      | PR11298120 | 6.496    | 14.567   | 12.402   | 7.283    | 1.969    | Butt 12"   | 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)  | 9.87                     |
| Uponor PP-RCT Flange Adapter, 12", SDR 17.6                                    | PR17298120 | 6.496    | 14.567   | 12.402   | 7.283    | 1.378    | Butt 12"   | 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)  | 7.17                     |
| Uponor PP-RCT Flange Adapter, 12", SDR 9                                       | PR9298120  | 6.496    | 14.567   | 12.402   | 7.283    | 2.559    | Butt 12"   | 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) | 11.41                    |
| Uponor PP-RCT Flange Adapter, 4", SDR 11, Butt or Socket Fused with Coupling   | PR1129840  | 7.697    | 6.22     | 4.921    | 3.11     | 1.102    | 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)  | 2.03                     |
| Uponor PP-RCT Flange Adapter, 4", SDR 17.6, Butt or Socket Fused with Coupling | PR1729840  | 7.677    | 6.22     | 4.921    | 3.11     | 1.102    | 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)  | 1.43                     |
| Uponor PP-RCT Flange Adapter, 4", SDR 9, Butt or Socket Fused with Coupling    | PR929840   | 7.677    | 6.22     | 4.921    | 3.11     | 1.102    | 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) | 1.31                     |
| Uponor PP-RCT Flange Adapter, 6", SDR 11                                       | PR1129860  | 7.48     | 8.425    | 6.299    | 3.15     | 0.984    | 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)  | 3.64                     |
| Uponor PP-RCT Flange Adapter, 6", SDR 17.6                                     | PR1729860  | 7.48     | 8.425    | 6.299    | 3.15     | 0.984    | 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)  | 2.85                     |
| Uponor PP-RCT Flange Adapter, 6", SDR 9  | PR929860   | 7.48     | 8.425    | 6.299    | 3.15     | 0.984    | 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) | 3.94                     |
| Uponor PP-RCT Flange Adapter, 8", SDR 11                                       | PR1129880  | 6.693    | 10.433   | 7.874    | 5.217    | 1.496    | 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)  | 4.85                     |
| Uponor PP-RCT Flange Adapter, 8", SDR 17.6                                     | PR1729880  | 6.693    | 10.433   | 7.874    | 3.937    | 1.378    | 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)  | 3.27                     |

|   |          |       |        |       |       |       |         |                                  |                                   |                                   |      |
|---|----------|-------|--------|-------|-------|-------|---------|----------------------------------|-----------------------------------|-----------------------------------|------|
| Uponor PP-RCT Flange Adapter, 8", SDR 9 | PR929880 | 6.693 | 10.433 | 7.874 | 5.217 | 1.496 | 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) | 5.38 |
|---|----------|-------|--------|-------|-------|-------|---------|----------------------------------|-----------------------------------|-----------------------------------|------|

| Part name                                   | Part no. | Codes       | Standards                                   | Listings  |
|---|----------|-------------|---|---|
| Uponor PP-RCT flange adapters (butt fusion) | All      | UMC CMC IMC | 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 Flange Adapter, 10", SDR 11                                      | PR11298100 | UPC IRC IPC NPC of Canada CPC | NSF/ANSI/CAN 61 NSF/ANSI 51            |  |
| Uponor PP-RCT Flange Adapter, 10", SDR 17.6                                    | PR17298100 |                               | ASTM F1960                             |  |
| Uponor PP-RCT Flange Adapter, 10", SDR 9                                       | PR9298100  | UPC IRC IPC NPC of Canada CPC | NSF/ANSI/CAN 61 NSF/ANSI 51            |  |
| Uponor PP-RCT Flange Adapter, 12", SDR 11                                      | PR11298120 | UPC IRC IPC NPC of Canada CPC | NSF/ANSI/CAN 61 NSF/ANSI 51            |  |
| Uponor PP-RCT Flange Adapter, 12", SDR 17.6                                    | PR17298120 |                               | ASTM F1960                             |  |
| Uponor PP-RCT Flange Adapter, 12", SDR 9                                       | PR9298120  | UPC IRC IPC NPC of Canada CPC | NSF/ANSI/CAN 61 NSF/ANSI 51            |  |
| Uponor PP-RCT Flange Adapter, 4", SDR 11, Butt or Socket Fused with Coupling   | PR1129840  | UPC IRC IPC NPC of Canada CPC | ASTM F1960 NSF/ANSI/CAN 61 NSF/ANSI 51 |  |
| Uponor PP-RCT Flange Adapter, 4", SDR 17.6, Butt or Socket Fused with Coupling | PR1729840  |                               | ASTM F1960                             |  |
| Uponor PP-RCT Flange Adapter, 4", SDR 9, Butt or Socket Fused with Coupling    | PR929840   | UPC IRC IPC NPC of Canada CPC | NSF/ANSI/CAN 61 NSF/ANSI 51            |  |
| Uponor PP-RCT Flange Adapter, 6", SDR 11                                       | PR1129860  | UPC IRC IPC NPC of Canada CPC | ASTM F1960 NSF/ANSI/CAN 61 NSF/ANSI 51 |  |
| Uponor PP-RCT Flange Adapter, 6", SDR 17.6                                     | PR1729860  |                               | ASTM F1960                             |  |
| Uponor PP-RCT Flange Adapter, 6", SDR 9  | PR929860   | UPC IRC IPC NPC of Canada CPC | ASTM F1960 NSF/ANSI/CAN 61 NSF/ANSI 51 |  |
| Uponor PP-RCT Flange Adapter, 8", SDR 11                                       | PR1129880  | UPC IRC IPC NPC of Canada CPC | ASTM F1960 NSF/ANSI/CAN 61 NSF/ANSI 51 |  |
| Uponor PP-RCT Flange Adapter, 8", SDR 17.6                                     | PR1729880  |                               | ASTM F1960                             |  |
| Uponor PP-RCT Flange Adapter, 8", SDR 9  | PR929880   | UPC IRC IPC NPC of Canada CPC | ASTM F1960 NSF/ANSI/CAN 61 NSF/ANSI 51 |  |

| 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<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> |