

Uponor PP-RCT flange adapters (butt fusion)

Project Information

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

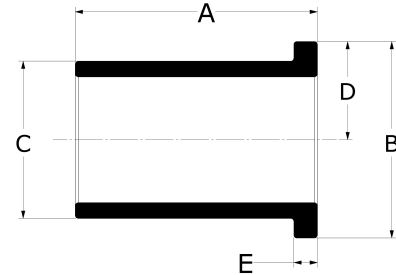
Technical data

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 |

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|---|----------|-------|--------|-------|-------|-------|---------|----------------------------------|-----------------------------------|-----------------------------------|------|
| 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:

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

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