

# Uponor PP-RCT flange adapters (butt fusion)

## Project Information

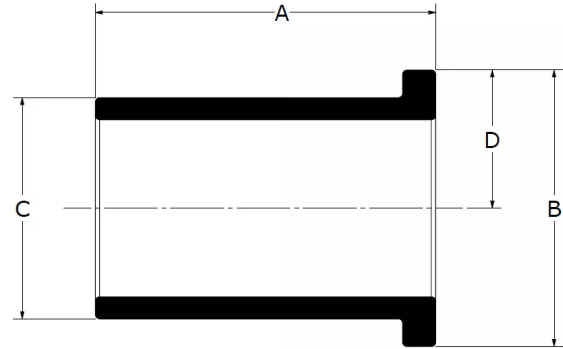
|                                |                 |
|--------------------------------|-----------------|
| Job name:                      | Location:       |
| Engineer:                      | Date submitted: |
| Contractor:                    | Submitted by:   |
| Manufacturer's representative: | Approved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

## Technical data

Material PP-RCT

## Product information and application use

Use Uponor PP-RCT flange adapters with Uponor PP-RCT mechanical pipe to convey water for hydronic heating and cooling or industrial 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] | End Type 1 | End Type 2 | 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    | Butt 10"   | Flange     | 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, 12", SDR 11                                      | PR11298120 | 6.496    | 14.567   | 12.402   | 7.283    | Butt 12"   | Flange     | 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, 4", SDR 11, Butt or Socket Fused with Coupling   | PR1129840  | 7.697    | 6.205    | 4.961    | 3.102    | Butt 4"    | Flange     | 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, 6", SDR 11                                       | PR1129860  | 7.697    | 8.504    | 6.339    | 4.252    | Butt 6"    | Flange     | 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, 8", SDR 11                                       | PR1129880  | 6.496    | 10.433   | 7.874    | 5.217    | Butt 8"    | Flange     | 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, 10", SDR 17.6                                    | PR17298100 | 6.496    | 12.598   | 9.843    | 6.299    | Butt 10"   | Flange     | 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, 12", SDR 17.6                                    | PR17298120 | 6.496    | 14.567   | 12.402   | 7.283    | Butt 12"   | Flange     | 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, 4", SDR 17.6, Butt or Socket Fused with Coupling | PR1729840  | 7.697    | 6.205    | 4.961    | 3.102    | Butt 4"    | Flange     | 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, 6", SDR 17.6                                     | PR1729860  | 7.697    | 8.504    | 6.339    | 4.252    | Butt 6"    | Flange     | 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, 8", SDR 17.6                                     | PR1729880  | 5.315    | 10.433   | 7.898    | 5.217    | Butt 8"    | Flange     | 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, 10", SDR 9                                       | PR9298100  | 6.496    | 12.598   | 9.843    | 6.299    | Butt 10"   | Flange     | 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 9                                       | PR9298120  | 6.496    | 14.567   | 12.402   | 7.283    | Butt 12"   | Flange     | 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 9, Butt or Socket Fused with Coupling    | PR929840   | 3.937    | 6.496    | 4.921    | 3.248    | Butt 4"    | Flange     | 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 9  | PR929860   | 7.697    | 8.504    | 6.339    | 4.252    | Butt 6"    | Socket     | 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 9 | PR929880 | 6.496 | 10.433 | 7.874 | 5.217 | Butt 8" | Flange | 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      | CMC   | ASTM E84 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 UMC CPC IMC | NSF/ANSI/CAN 61 NSF/ANSI 14            |  |
| Uponor PP-RCT Flange Adapter, 12", SDR 11                                    | PR11298120 | UPC IRC IPC NPC of Canada UMC CPC IMC | NSF/ANSI/CAN 61 NSF/ANSI 14            |  |
| Uponor PP-RCT Flange Adapter, 4", SDR 11, Butt or Socket Fused with Coupling | PR1129840  | UPC IRC IPC NPC of Canada UMC CPC IMC | ASTM F1960 NSF/ANSI/CAN 61 NSF/ANSI 14 |  |
| Uponor PP-RCT Flange Adapter, 6", SDR 11                                     | PR1129860  | UPC IRC IPC NPC of Canada UMC CPC IMC | ASTM F1960 NSF/ANSI/CAN 61 NSF/ANSI 14 |  |
| Uponor PP-RCT Flange Adapter, 8", SDR 11                                     | PR1129880  | UPC IRC IPC NPC of Canada UMC CPC IMC | ASTM F1960 NSF/ANSI/CAN 61 NSF/ANSI 14 |  |
| Uponor PP-RCT Flange Adapter, 10", SDR 17.6                                  | PR17298100 | IMC UMC                               | ASTM F1960 NSF-14                      |  |
| Uponor PP-RCT Flange Adapter, 12", SDR 17.6                                  | PR17298120 | IMC UMC                               | ASTM F1960 NSF-14                      |  |
| Uponor PP-RCT Flange Adapter, 8", SDR 17.6                                   | PR1729880  | IMC UMC                               | ASTM F1960 NSF-14                      |  |
| Uponor PP-RCT Flange Adapter, 10", SDR 9                                     | PR9298100  | UPC IRC IPC NPC of Canada UMC CPC IMC | NSF/ANSI/CAN 61 NSF/ANSI 14            |  |
| Uponor PP-RCT Flange Adapter, 12", SDR 9                                     | PR9298120  | UPC IRC IPC NPC of Canada UMC CPC IMC | NSF/ANSI/CAN 61 NSF/ANSI 14            |  |
| Uponor PP-RCT Flange Adapter, 4", SDR 9, Butt or Socket Fused with Coupling  | PR929840   | UPC IRC IPC NPC of Canada UMC CPC IMC | NSF/ANSI/CAN 61 NSF/ANSI 14            |  |
| Uponor PP-RCT Flange Adapter, 6", SDR 9                                      | PR929860   | UPC IRC IPC NPC of Canada UMC CPC IMC | ASTM F1960 NSF/ANSI/CAN 61 NSF/ANSI 14 |  |
| Uponor PP-RCT Flange Adapter, 8", SDR 9                                      | PR929880   | UPC IRC IPC NPC of Canada UMC CPC IMC | ASTM F1960 NSF/ANSI/CAN 61 NSF/ANSI 14 |  |

| 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  |   |   |
|---|--|---|---|
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