

# QS-style compression manifold fitting assemblies

## Project Information

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

## Technical data

|                         |  |
|-------------------------|--|
| Material                | Brass  |
| Temp/pressure ratings   | 73 °F (23 °C) at 160 psi (11 bar)<br>180 °F (82 °C) at 100 psi (6.9 bar)<br>200 °F (93 °C) at 80 psi (5.5 bar) |
| Prop 65 label required? | Yes  |

## Product information and application use

The Uponor R20 Compression Fitting Assembly threads onto manifold loop outlets. This R20 QS (Quick Seal) compression fitting connects Wirsbo hePEX™ or Uponor AquaPEX® tubing to the manifold in radiant heating applications and is designed for 5/16", 3/8", 1/2" or 5/8" tubing. The R25 QS compression fitting does not directly thread onto the manifold, but onto other R25 connections, and is designed for use with 5/8" and 3/4" tubing only.



| Part name   | Part no. | A [inch] | B [inch] | C [inch] | D [inch] | Weight per UOM [lbs/UOM] | End Type 1 | End Type 2     |
|---|----------|----------|----------|----------|----------|--------------------------|------------|----------------|
| 5/16" QS-style Compression Fitting Assembly, R20 thread | A4020313 | 1.372    | 1.187    | 1.057    | -        | 0.26                     | QS 5/16"   | ISO 228-G 3/4" |
| 3/8" QS-style Compression Fitting Assembly, R20 thread  | A4020375 | 1.372    | 1.187    | 1.004    | 0.95     | 0.23                     | QS 3/8"    | ISO 228-G 3/4" |
| 1/2" QS-style Compression Fitting Assembly, R20 thread  | A4020500 | 1.372    | 1.187    | 1.004    | 0.95     | 0.21                     | QS 1/2"    | ISO 228-G 3/4" |
| 5/8" QS-style Compression Fitting Assembly, R20 thread  | A4020625 | 1.372    | 1.187    | 1.004    | 0.95     | 0.19                     | QS 5/8"    | ISO 228-G 3/4" |
| 3/4" QS-style Compression Fitting Assembly, R25 thread  | A4020750 | 1.66     | 1.5      | 1.099    | 1.18     | 0.33                     | QS 3/4"    | ISO 228-G 1"   |
| Replacement O-ring for insert (R25)                     | A4021000 | 0.934    | 0.934    | 0.07     | -        | 0                        | -          | -              |
| Replacement O-ring for insert (R20)                     | A4021116 | 0.621    | 0.621    | 0.07     | -        | 0                        | -          | -              |
| 5/8" QS-style Compression Fitting Assembly, R25 thread  | A4030625 | 1.729    | 1.5      | 1.064    | 1.18     | 0.4                      | QS 5/8"    | ISO 228-G 1"   |

## Installation

The R20-threaded Compression Fitting connects to Uponor manifold loop outlets. The compression end enables direct connection to Wirsbo hePEX tubing. Use the R25-threaded Compression Fitting for other R25 connections. For more information, refer to the Radiant Floor Heating Installation Handbook.

## Related applications

Radiant Heating and Cooling Systems  
Permafrost Protection Systems  
Turf Conditioning Systems

## Codes

IMC|IRC|NBC of Canada|UMC

## Standards

CSA B137.5|R32:

## Listings

cNSFus-rfh|ICC-ES-PMG 1012

## Footnotes

\* Some SKUs in this family have additional codes, standards, or listings. Please see uponor.com for complete information.

## Contact information

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