

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) 180 °F (82 °C) at 100 psi (6.9 bar) 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

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

Contact information

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