# QS-style compression manifold fitting assemblies

## Project information

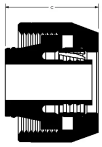
| | |
|---|---|
| Job name: | Location: |
| Engineer: | Date submitted: |
| Contractor: | Submitted by: |
| Manufacturer's representative: | Approved by: |

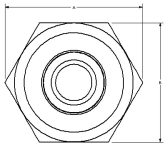
## Technical data

| | |
|---|---|
| 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] | Subcomponent Material | End Type 1 | End Type 2 | Cv | Equivalent length through [ft] | Weight per UOM [lbs/UOM] |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5/16" QS-style Compression Fitting Assembly, R20 thread | A4020313 | 1.372 | 1.187 | 1.057 | Fitting: CA 360 Brass | QS 5/16" | ISO 228-G 3/4" | - | - | 0.26 |
| | 3/8" QS-style Compression Fitting Assembly, R20 thread | A4020375 | 1.372 | 1.187 | 1.004 | Fitting: CA 360 Brass | QS 3/8" | ISO 228-G 3/4" | - | - | 0.23 |
| | 1/2" QS-style Compression Fitting Assembly, R20 thread | A4020500 | 1.372 | 1.187 | 1.004 | Fitting: CA 360 Brass | QS 1/2" | ISO 228-G 3/4" | - | - | 0.21 |
| | 5/8" QS-style Compression Fitting Assembly, R20 thread | A4020625 | 1.372 | 1.187 | 1.004 | Fitting: CA 360 Brass | QS 5/8" | ISO 228-G 3/4" | - | - | 0.19 |
| | 5/8" QS-style Compression Fitting Assembly, R25 thread | A4030625 | 1.729 | 1.5 | 1.064 | Fitting: CA 360 Brass | QS 5/8" | ISO 228-G 1" | - | - | 0.4 |
| | 3/4" QS-style Compression Fitting Assembly, R25 thread | A4020750 | 1.66 | 1.5 | 1.099 | Fitting: UNS C36000 UNS C37700 | QS 3/4" | ISO 228-G 1" | - | - | 0.33 |
| | 5/8" QS-style Compression Fitting Assembly for Commercial Manifold, R25 thread | A4050625 | 1.729 | 1.5 | 1.217 | - | Compression 5/8" | ISO 228-G 1" | 6.58 | 4.56 | 0.4 |
| ✔ | 3/4" QS-style Compression Fitting Assembly for Commercial Manifold, R25 thread | A4050750 | 1.66 | 1.5 | 1.221 | - | Compression 3/4" | ISO 228-G 1" | 8.08 | 7.12 | 0.4 |

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| Part name | Part no. | Codes | Standards | Listings |
|---|---|---|---|---|
| QS-style compression manifold fitting assemblies | All | IMC\|IRC\|NBC of Canada\|UMC | CSA B137.5\|ASTM F877 | cNSFus-rfh\|ICC-ES-PMG 1012 |
| In addition, the following parts have additional codes, standards, or listings: | | | | |
| 5/16" QS-style Compression Fitting Assembly, R20 thread | A4020313 | | R32: ISO 228-G 3/4" | |
| 3/8" QS-style Compression Fitting Assembly, R20 thread | A4020375 | | R32: ISO 228-G 3/4" | |
| 1/2" QS-style Compression Fitting Assembly, R20 thread | A4020500 | | R32: ISO 228-G 3/4" | |
| 5/8" QS-style Compression Fitting Assembly, R20 thread | A4020625 | | R32: ISO 228-G 3/4" | |
| 5/8" QS-style Compression Fitting Assembly, R25 thread | A4030625 | | R32: ISO 228-G 1" | |
| 3/4" QS-style Compression Fitting Assembly, R25 thread | A4020750 | | R32: ISO 228-G 1" | |
| 5/8" QS-style Compression Fitting Assembly for Commercial Manifold, R25 thread | A4050625 | | R25: ISO 228-G 1"\|NSF/ANSI 14 | IAPMO-ES\|ICC PMG 1006 |
| 3/4" QS-style Compression Fitting Assembly for Commercial Manifold, R25 thread | A4050750 | | R25: ISO 228-G 1"\|NSF/ANSI 14 | IAPMO-ES\|ICC PMG 1006 |

## 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

## Footnotes

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## Contact information

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