

# 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

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

## Contact information

Uponor Inc.  
5925 148th Street West  
Apple Valley, MN 55124  
T 800.321.4739  
F 952.891.2008

Uponor Ltd.  
6510 Kennedy Road  
Mississauga, ON L5T 2X4  
T 888.594.7726  
F 800.638.9517