

# 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
Subcomponent Material	Fitting: CA 360 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]	Cv	Equivalent length through [ft]	End Type 1	End Type 2	Weight per UOM [lbs/UOM]
5/16" QS-style Compression Fitting Assembly, R20 thread	A402031 3	1.372	1.187	1.057	-	-	QS 5/16"	ISO 228-G 3/4"	0.26
3/8" QS-style Compression Fitting Assembly, R20 thread	A402037 5	1.372	1.187	1.004	-	-	QS 3/8"	ISO 228-G 3/4"	0.23
1/2" QS-style Compression Fitting Assembly, R20 thread	A402050 0	1.372	1.187	1.004	-	-	QS 1/2"	ISO 228-G 3/4"	0.21
5/8" QS-style Compression Fitting Assembly, R20 thread	A402062 5	1.372	1.187	1.004	-	-	QS 5/8"	ISO 228-G 3/4"	0.19
5/8" QS-style Compression Fitting Assembly, R25 thread	A403062 5	1.729	1.5	1.064	-	-	QS 5/8"	ISO 228-G 1"	0.4
3/4" QS-style Compression Fitting Assembly, R25 thread	A402075 0	1.66	1.5	1.099	-	-	QS 3/4"	ISO 228-G 1"	0.33
5/8" QS-style Compression Fitting Assembly for Commercial Manifold, R25 thread	A405062 5	1.729	1.5	1.217	6.58	4.56	Compression 5/8"	ISO 228-G 1"	0.4
3/4" QS-style Compression Fitting Assembly for Commercial Manifold, R25 thread	A405075 0	1.66	1.5	1.221	8.08	7.12	Compression 3/4"	ISO 228-G 1"	0.4

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-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-14	IAPMO-ES ICC PMG 1006

Installation	Related applications
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.	<ul style="list-style-type: none"> <li>Radiant Heating and Cooling Systems</li> <li>Permafrost Protection Systems</li> <li>Turf Conditioning Systems</li> </ul>

Footnotes	Contact information
-	<p>Uponor Inc. 5925 148th Street West Apple Valley, MN 55124 T 800.321.4739 F 952.891.2008</p> <p>Uponor Ltd. 6510 Kennedy Road Mississauga, ON L5T 2X4 T 888.594.7726 F 800.638.9517</p>