

# Copper valved manifolds with R20/R25 threaded ball and balancing valves



## Project Information

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

## Technical data

Material	Copper
Manifold size	2 inch
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) 210 °F (99 °C) at 149 psi (10.3 bar)
Prop 65 label required?	Yes



## Product information and application use

The 2" x 4' Copper Valved Manifold with R20/R25 Threaded Ball and Balancing Valves features a large diameter and is designed for radiant heating applications. The manifold has a 2" copper sweat fitting adapter supply connection and 3/4" nominal branches that are 4 inches on center. This 12-outlet manifold comes preassembled with R20 and R25 threaded ball and balancing valve connections.

*This product is made to order, please contact [customer service](#) for lead time.*

Part name	Part no.	A [inch]	C [inch]	D [inch]	E [inch]	F [inch]	G [inch]	H [inch]	Cv	End Type 1	Flow Rate Max. [gpm]
2" x 4' Copper Valved Manifold with R20 Threaded Ball and Balancing Valves, 12 outlets	F2821220	48	2	4	5.872	0.44	7.376	2.633	7	ISO 228-G 3/4"	-
2" x 4' Copper Valved Manifold with R25 Threaded Ball and Balancing Valves, 12 outlets	F2821225	48	2	4	5.862	0.55	7.475	2.633	7.3	ISO 228-G 1"	45

Part name	Part no.	Weight per UOM [lbs/UOM]
2" x 4' Copper Valved Manifold with R20 Threaded Ball and Balancing Valves, 12 outlets	F2821220	19.2
2" x 4' Copper Valved Manifold with R25 Threaded Ball and Balancing Valves, 12 outlets	F2821225	19.2

Part name	Part no.	Codes	Standards	Listings
Copper valved manifolds with R20/R25 threaded ball and balancing valves	All	-	CSA B125 CSA B137.5 ASTM F877	cNSFus-rfh

## Installation

Install using any product designed to mount 2" copper pipe as a mounting bracket. Refer to the Uponor Radiant Floor Heating Installation Handbook for additional information.

## Related applications

- Radiant Heating and Cooling Systems
- Permafrost Protection Systems
- Turf Conditioning Systems

## Notes

Ball Cv for the R20 outlet: 7.00  
Ball Cv for the R25 outlet: 7.30

Ball Cv for the R20 outlet:  
7.00  
Ball Cv for the R25 outlet: 7.30

## Footnotes

## 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