

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 | Related applications |
|---|---|
| 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. | 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 |
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| - | 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 |