

# Threaded brass manifold straight adapters and bushings

## Project Information

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

## Technical data

|                         |  |
|-------------------------|--|
| End type 1              | ISO 228-G 1-1/4"   |
| 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

Uponor's Threaded Brass Manifold Bushings are used in TruFLOW™ manifolds. In radiant heating applications, the bushing transitions the R32 manifold union nut to 1" national pipe thread (NPT) and 3/4" threaded connections (PEX or Multi-layer Composite (MLC) tubing with QS-style fittings).



| Part name   | Part no. | A [Inch] | B [Inch] | C [Inch] | D [Inch] | Material group | End Type 2     | E [Inch] | F [Inch] | G [Inch] | H [Inch] |
|---|----------|----------|----------|----------|----------|----------------|----------------|----------|----------|----------|----------|
| Threaded Brass Manifold Straight Adapter, R32 Male x R20 Male | A4143220 | 0.635    | 0.35     | 0.599    | 2.02     | Brass          | ISO 228-G 3/4" | 1.584    | 1.75     | 1.01     | 0.875    |
| Threaded Brass Manifold Straight Adapter, R32 Male x R25 Male | A4143225 | 0.613    | 0.35     | 0.635    | 2.02     | LF Brass       | ISO 228-G 1"   | 1.598    | 1.75     | 1.01     | 0.875    |
| Threaded Brass Manifold Bushing, R32 Male x 3/4" Female NPT   | A2133275 | 2.018    | 1.75     | 0.985    | -        | Brass          | FNPT 3/4"      | -        | -        | -        | -        |
| Threaded Brass Manifold Bushing, R32 Male x 1" Female NPT     | A2123210 | 1.918    | 1.687    | 0.985    | -        | Brass          | FNPT 1"        | -        | -        | -        | -        |

| Part name   | Part no. | Weight per UOM [lbs/UOM] |
|---|----------|--------------------------|
| Threaded Brass Manifold Straight Adapter, R32 Male x R20 Male | A4143220 | 0.55                     |
| Threaded Brass Manifold Straight Adapter, R32 Male x R25 Male | A4143225 | 0.5                      |
| Threaded Brass Manifold Bushing, R32 Male x 3/4" Female NPT   | A2133275 | 0.44                     |
| Threaded Brass Manifold Bushing, R32 Male x 1" Female NPT     | A2123210 | 0.3                      |

| Part name  | Part no. | Codes                     | Standards                                  | Listings   |
|--|----------|---------------------------|--|------------|
| Threaded brass manifold straight adapters and bushings | All      | IMC IRC NBC of Canada UMC | CSA B137.5 R32: ISO 228-G 1 1/4" ASTM F877 | cNSFus-rfh |

## Installation

Thread directly into Uponor TruFLOW manifolds. For additional information, refer to the TruFLOW Manifold Instruction Sheet or the Uponor Radiant Floor Heating Installation Handbook.

## Related applications

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

## Footnotes

## Contact information

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