

Thermal zone valves

Project information

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

Technical data

Material Brass

Product information and application use

The Uponor Thermal Zone Valve, four-wire, features 3/4" and 1" sweat connections. It provides flow control for individual terminal units or a single-zone manifold (manifold serving one zone). The Thermal Zone Valve is assembled with the 1-watt Uponor Thermal Actuator, four-wire (A3023522) which includes an end switch for activation of a relay pump, heat plant or other auxiliary devices.



| Part name | Part no. | A [Inch] | B [Inch] | C [Inch] | Cv | End Type 1 | End Type 2 | Operating Temperature 1 [°F] | Operating Temperature 2 [°F] | Operating Temperature 3 [°F] | Operating temperature max. [°F] |
|--------------------------------|----------|----------|----------|----------|-----|------------|------------|------------------------------|------------------------------|------------------------------|---------------------------------|
| 3/4" and 1" Thermal Zone Valve | A3011075 | 5.874 | 4.122 | 2.173 | 5.3 | Sweat | Sweat | 73 | 180 | 200 | 248 |
| 1" Union Replacement Gasket | A5400012 | 1.181 | 1.181 | 0.118 | - | - | - | - | - | - | - |

| Part name | Part no. | Prop 65 label required? | Weight per UOM [lbs/UOM] |
|--------------------------------|----------|-------------------------|--------------------------|
| 3/4" and 1" Thermal Zone Valve | A3011075 | Yes | 2.05 |
| 1" Union Replacement Gasket | A5400012 | - | 0 |

| Part name | Part no. | Codes | Standards | Listings |
|---------------------|----------|-------|-----------------------|----------|
| Thermal zone valves | All | - | ASSE 1016-T ASSE 1017 | - |

Installation

Refer to the Uponor Thermal Actuator Instruction Sheet for additional information.

Related applications

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

Notes

Connections:
 3/4" sweat; 1" sweat
 Operating voltage 24VAC nominal, 1 watt
 Time to open/close 3 to 5 minutes
 End switch rating 24VAC, 2A resistive

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