

# 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 ¾" 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] |
|------------------------------|----------|----------|----------|----------|-----|------------|------------|------------------------------|------------------------------|------------------------------|---------------------------------|
| ¾" 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] |
|------------------------------|----------|-------------------------|--------------------------|
| ¾" 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   | Related applications  |
|--|---|
| Refer to the Uponor Thermal Actuator Instruction Sheet for additional information. | Radiant Heating and Cooling Systems<br>Permafrost Protection Systems<br>Turf Conditioning Systems |

## Notes

Connections:  
 ¾" 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   |
|-----------|---|
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