The Taco Zone Sentry® Zone Valve enhances the overall performance of any zone valve system. The unique patented technology in the Zone Sentry® utilizes a microcircuit based logic to control a gear driven electronic actuator which drives a ball valve based body design. All this adds up to a zone valve that leads the industry in energy efficiency, flow capacity (Cv), shutoff pressure rating, ease of installation, diagnostic capability and the number of valves (12) that can be used on a standard 40VA transformer. The Taco Zone Sentry® zone valves are available in sweat, threaded and 3-way configurations.
Submittal Data Information
Zone Sentry® Ball Valve Zone Valve

Product Specifications
Max. Operating Pressure...300 PSI (2100 kPa)
Max. Shutoff Pressure.......125 PSI (875 kPa)
Max Ambient Temp.........135˚F
Fluid Temperature Range...20-220˚F (7˚-105˚C)
Service........................Water or Water/Glycol up to 50% Glycol
Ball Rotation Speed.........(90˚ turn), Approximately 5 seconds (after charge time)
Electrical Rating...........24 VAC, 60Hz .048 Amps
Power Consumption.........1.44 W, 0.06 Amps (Power On)
Heat Anticipator Setting...0.5 Amps
End Switch Rating...........1 Amp @ 24 VAC

Application:
Taco Zone Sentry® Zone Valves provide on-off, normally open or normally closed control in both open and closed hydronic systems. The Taco Zone Sentry valve can be used in a wide variety of applications, specifically designed for use in heating systems and in chilled water systems where condensation is present. It is primarily used in baseboard, fan coils, radiators, convectors, air handlers, heat pumps and radiant applications. Refer to the Product Specifications section for choosing the correct model valve for your application.

Ease of Installation / Operation:
The Taco Zone Sentry® is the most technologically advanced zone valve ever made. It's also simple to install and operate. The valve can be installed in any direction, in any orientation. We then went a step further, allowing the operator to be mounted to the 2-way valve body in either direction, great for those tight baseboard jobs. Snap-in quick connects on the back of the valve make for a simple, secure and fast wiring hook-up. A green LED light shows full functionality of the valve's operation and thermostat status. Under a no power situation the manual override button located on the top of the valve allows the ball to be rotated up to 90˚ and is also marked with a slot to indicate the position of the valve.

Materials of Construction, Actuator:
Body........High Performance Engineered Polymer
Gears .........High Performance Internally Lubricated Engineered Polymer

Materials of Construction, Standard Valve:
Body ..........Forged Brass
Stem ..........Brass
Press Ring ......Brass
Ball ..........Brass (Chrome Plated)
Seat ..........Modified Teflon®
O-Rings ..........EPDM

Zone Sentry® Dimensions: (FOR REFERENCE PURPOSES)

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<tr>
<th>Valve Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D (Sweat)</th>
<th>E (Threaded)</th>
<th>F</th>
<th>G</th>
<th>H (3-way)</th>
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Consult factory for additional model numbers.

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