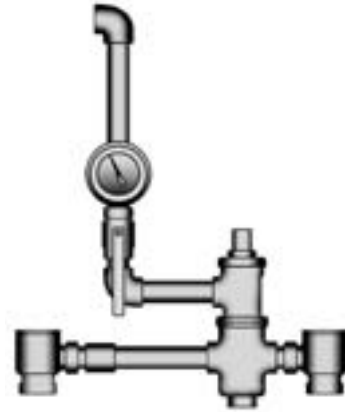




## Supply Fixture Series 430 Bottom Inlets/Side Outlet – Exposed

### Features ■

- Valve utilizes paraffin-based advanced thermal actuation technology to sense and adjust outlet temperature
- Dirt & lime resistant poppet and seat design
- Virtual shut-off if supply pressure fails
- Vandal-resistant locking mechanism to secure temperature setting
- Factory tested valve and piping
- Rotatable union triple-duty checkstops with filters, dial-thermometer, ball valve
- Rough bronze and chrome finishes



### Specifications ■

Connections .....	See chart on the reverse
Maximum Hot Water Supply Temperature.....	200° F (93° C)
Minimum Hot Water Supply Temperature.....	15° F (8° C) above set point
Minimum Flow* .....	0.5 gpm (1.9 lpm)
Maximum Pressure Differential .....	100 psid (689 kpa)
Temperature Adjustment Range .....	40-160° F (4-71° C)
Listing/Compliance (Valve Only).....	ASSE 1017, CSA B125



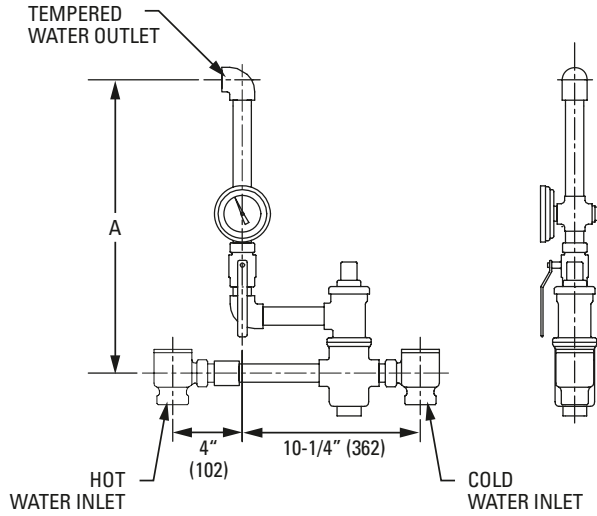
Advanced Thermal Activation

\* Minimum flow when the valve is installed at or near hot water source w/re-circulated tempered water with a properly sized continuously operating re-circulating pump.

### Flow Capacity When Tested To ASSE 1017 Standard

Valve	CV 1 psi (7 kpa)	Min. Flowrate	Pressure Differential						
			5 psi (35 kpa)	10 psi (69 kpa)	15 psi (103 kpa)	20 psi (138 kpa)	30 psi (207 kpa)	45 psi (310 kpa)	60 psi (414 kpa)
431	3.73	4.0 gpm (15.0 lpm)	8.3 gpm (31.0 lpm)	11.8 gpm (45.0 lpm)	14.4 gpm (55.0 lpm)	16.7 gpm (63.0 lpm)	20.4 gpm (77.0 lpm)	25.0 gpm (95.0 lpm)	28.9 gpm (109.0 lpm)
432	6.71	7.0 gpm (26.0 lpm)	15.0 gpm (57.0 lpm)	21.2 gpm (80.0 lpm)	26.0 gpm (98.0 lpm)	30.0 gpm (114.0 lpm)	36.8 gpm (139.0 lpm)	45.0 gpm (170.0 lpm)	52.0 gpm (197.0 lpm)
433	11.93	10.0 gpm (38.0 lpm)	26.7 gpm (101.0 lpm)	37.7 gpm (143.0 lpm)	46.2 gpm (175.0 lpm)	53.4 gpm (202.0 lpm)	65.3 gpm (247.0 lpm)	80.0 gpm (303.0 lpm)	92.4 gpm (350.0 lpm)
434	18.63	15.0 gpm (57.0 lpm)	41.7 gpm (158.0 lpm)	58.9 gpm (223.0 lpm)	72.2 gpm (273.0 lpm)	83.3 gpm (315.0 lpm)	102.0 gpm (386.0 lpm)	125.0 gpm (473.0 lpm)	144.3 gpm (546.0 lpm)

**Dimensions**



Dimension			
Valve	Inlets	Outlet	A
431	3/4" NPT	3/4" NPT	18-3/4" (476)
432	3/4" NPT	1" NPT	20" (508)
433	1-1/4" NPT	1-1/4" NPT	20-1/2" (521)
434	1-1/4" NPT	1-1/2" NPT	22-1/2" (572)

Note:  
 1) Dimensions in brackets are in mm.  
 2) Dimensions are shown  $\pm 1/4"$

**Ordering Information**

		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>G</b>	<b>M</b>	<b>S</b>	<input type="checkbox"/>	<input type="checkbox"/>		
<b>Valve</b>	<b>Order Code</b>												
• 25 gpm (95 lpm)	431												
• 45 gpm (170 lpm)	432												
• 80 gpm (303 lpm)	433												
• 125 gpm (473 lpm)	434												
<b>Valve &amp; Piping Finish</b>													
• Rough Bronze	A												
• Polished Chrome	C												
<b>Piping Inlets/Outlet</b>													
• Bottom/Side	G												
<b>Cabinet Style</b>													
• None	M												

**Alarm System**

• None 0

• Aqua Sentry2 Alarm System 4

**Option**

• None 0

• Vacuum Breaker 1

• Cold Water Bypass 2

• Vacuum Breaker & Cold Water Bypass 3

• T/P Gauge on Inlets 4

• VB & T/P Gauge on Inlets 5

• C/W Bypass & T/P Gauge on Inlets 6

• VB, C/W Bypass & T/P Gauge on Inlets 7

**Motor Range**

• 40°F - 160°F (4°C - 71°C) S

**Order Code**

**Recirculation Piping Diagram**

Please see Piping Diagram Section of this catalog.

**Typical Specification**

Supply fixture shall feature bottom inlets/side outlet configuration with HydroGuard® 430 master tempering series valve. Valve shall feature paraffin-based, advanced thermal actuation technology for near instantaneous response and possess approach temperature of 15°F/8°C. Minimum flows shall be 4.0 gpm/15 lpm (431), 7.0 gpm/26 lpm (432), 10 gpm/38 lpm (433) and 15.0 gpm/57 lpm (434) when tested to ASSE 1017. Piping and valve shall be factory tested, and include ball valve and thermometer. Supply fixture shall be a Powers' 43\_\_GMS\_\_\_. All alternatives must have a written approval prior to bidding.

ENGINEERING APPROVAL	
Project: _____	
Contractor: _____	
Architect/Engineer: _____	



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