



## Supply Fixture e420 & e427 Top Inlets/Top Outlet — Recessed Cabinet

### 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
- Stainless steel or white painted cabinets
- Factory tested valve and piping
- Triple-duty checkstops with filters, dial-thermometer, ball valve
- Rough bronze and chrome finishes



Shown e427



Advanced Thermal Activation

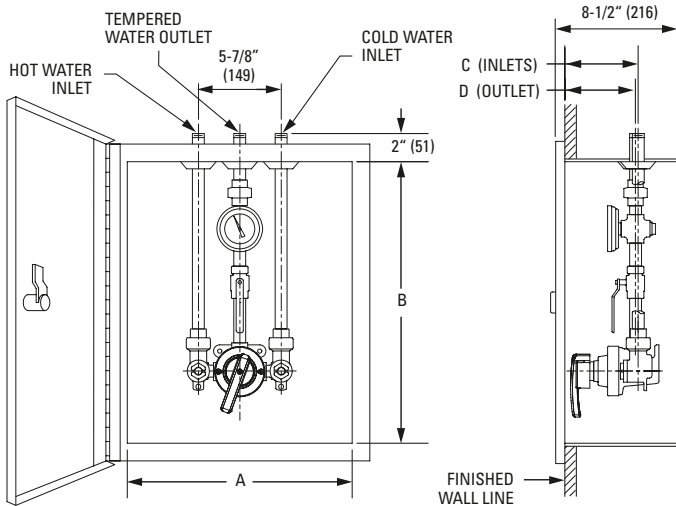
### Specifications ■

|   |                              |
|---|------------------------------|
| Connections .....                         | 1/2" NPT inlets and outlet   |
| Maximum Hot Water Supply Temperature..... | 190° F (88° C)               |
| Minimum Hot Water Supply Temperature..... | 10° F (6° C) above set point |
| Minimum Flow* .....                       | 0.5 gpm (1.9 lpm)            |
| Maximum Operating Pressure.....           | 125 psig (862 kpa)           |
| <b>Motor Range Standard</b>               |                              |
| E420 .....                                | 65-115° F (18-46° C)         |
| E427 .....                                | 90-110° F (32-43° C)         |
| <b>Listing/Compliance (Valves Only)</b>   |                              |
| E420 .....                                | ASSE 1016-T/P, CSA B125      |
| E427 .....                                | ASSE-1016 listed, CSA B125   |

\* 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 1016 Standard |                     |                       |                       |                       |                       |                       |                        |                        |                        |
|---|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|
| Valve   | CV 1 psi<br>(7 kpa) | Min.<br>Flowrate      | Pressure Differential |                       |                       |                       |                        |                        |                        |
|   |                     |                       | 5 psi<br>(35 kpa)     | 10 psi<br>(69 kpa)    | 15 psi<br>(103 kpa)   | 20 psi<br>(138 kpa)   | 30 psi<br>(207 kpa)    | 45 psi<br>(310 kpa)    | 60 psi<br>(414 kpa)    |
| e420  | 0.79                | 1.0 gpm<br>(4.0 lpm)  | 1.8 gpm<br>(7.0 lpm)  | 2.5 gpm<br>(10.0 lpm) | 3.1 gpm<br>(12.0 lpm) | 3.5 gpm<br>(13.0 lpm) | 4.3 gpm<br>(16.0 lpm)  | 5.3 gpm<br>(20.0 lpm)  | 6.1 gpm<br>(23.0 lpm)  |
| e427  | 2.09                | 2.5 gpm<br>(10.0 lpm) | 4.7 gpm<br>(18.0 lpm) | 6.6 gpm<br>(25.0 lpm) | 8.1 gpm<br>(31.0 lpm) | 9.3 gpm<br>(35.0 lpm) | 11.4 gpm<br>(43.0 lpm) | 14.0 gpm<br>(53.0 lpm) | 16.2 gpm<br>(61.0 lpm) |

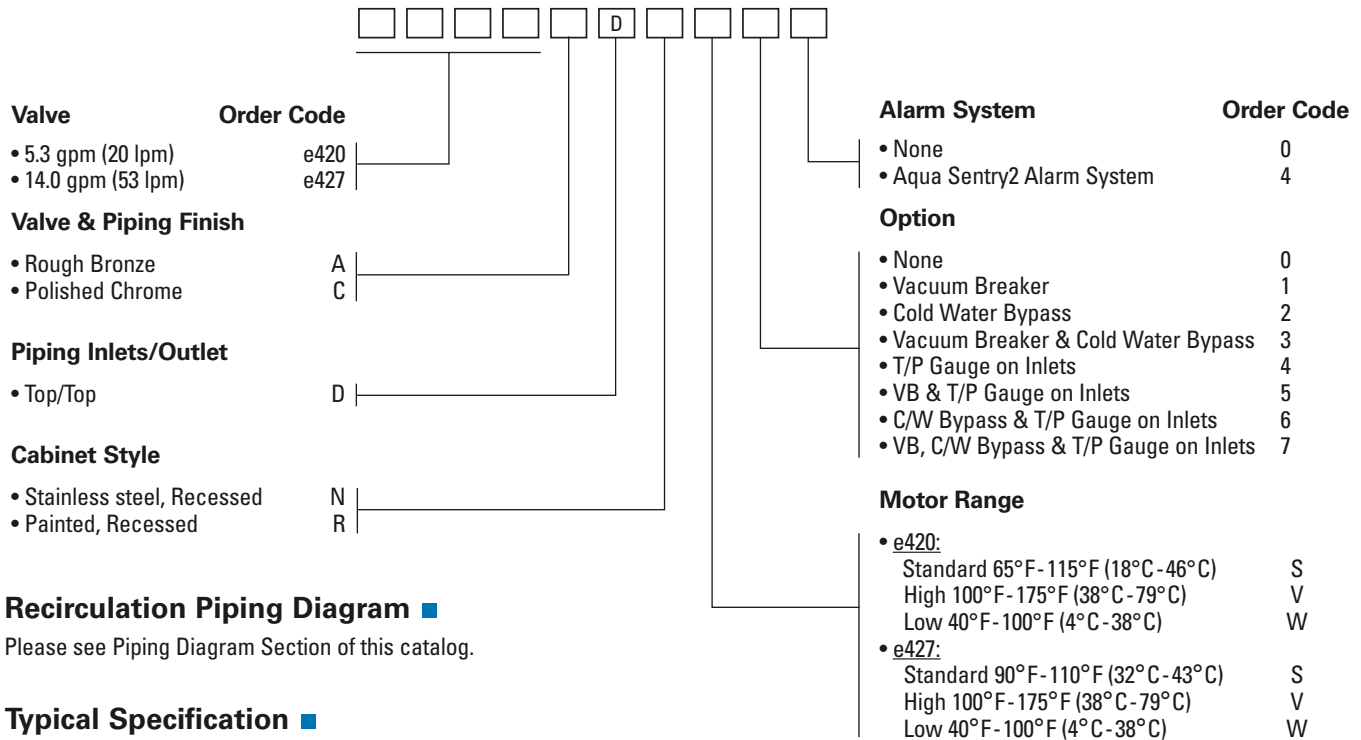
## Dimensions ■



| Dimension |          |          |              |              |                  |                 |
|-----------|----------|----------|--------------|--------------|------------------|-----------------|
| Valve     | Inlets   | Outlet   | A            | B            | C                | D               |
| e420      | 1/2" NPT | 1/2" NPT | 16"<br>(406) | 20"<br>(508) | 5-3/16"<br>(132) | 5"<br>(127)     |
| e427      | 1/2" NPT | 1/2" NPT | 20"<br>(508) | 24"<br>(610) | 2-11/16"<br>(68) | 5-1/2"<br>(140) |

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

## Ordering Information ■



## Recirculation Piping Diagram ■

Please see Piping Diagram Section of this catalog.

## Typical Specification ■

Cabinet supply fixture shall feature top inlets/top outlet configuration with recessed stainless steel or painted steel construction cabinet. Valves shall be HydroGuard® combination (e420 type T/P) or thermostatic (e427 type T) and feature paraffin-based, advanced thermal actuation technology for near instantaneous response. Valves shall possess approach temperature of 10°F/6°C. Minimum flows shall be 1.0 gpm/4 lpm (e420) and 2.5 gpm/10 lpm (e427) when tested to ASSE 1016. Piping and valve shall be factory tested, and include ball valve and thermometer. Supply fixture shall be a Powers' e420\_D\_\_\_\_\_ (5.3 gpm/20 lpm capacity) or e427\_D\_\_\_\_\_ (14 gpm/53 lpm capacity). All alternatives must have a written approval prior to bidding.

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

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