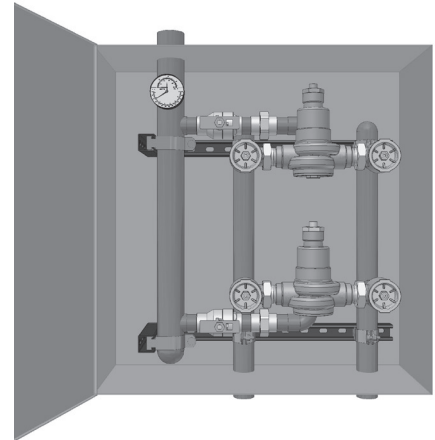


**HYDROGUARD® XP Series SH1430 2 Valve DV
Supply Fixture Recessed Cabinet**

Product Specification

Features ■

- Paraffin-based advanced thermal actuation technology to sense and adjust outlet temperature
- Dirt and lime resistant poppet and seat design
- Virtual shutoff if supply pressure fails
- Vandal-resistant locking mechanism to secure temperature setting
- Factory tested as a complete unit
- Pressure/Temperature Gauge ball valves
- Stainless steel or white painted cabinet



Specifications ■

- Connections See chart on reverse
- Maximum Hot Water Supply Temperature 200°F (93°C)
- Minimum Hot Water Supply Temperature* ... 5°F (3°C) Above Set Point
- Minimum Flow** 0.5 gpm (1.9 lpm)
- Maximum Operating Pressure 125psi (861 kPa)
- Temperature Adjustment Range*** 90 – 160°F (32 – 71°C)
- Hot Water Inlet Temperature Range 120 – 180°F (49 – 82°C)
- Cold Water Inlet Temperature Range 40 – 80°F (4 – 27°C)
- Listing/Compliance (Valves Only) ASSE 1017, CSA B125



Advanced Thermal Activation

**With Equal Pressure*

***Minimum flow when DV valve is installed at or near hot water source recirculating tempered water with a properly sized continuously operating recirculating pump.*

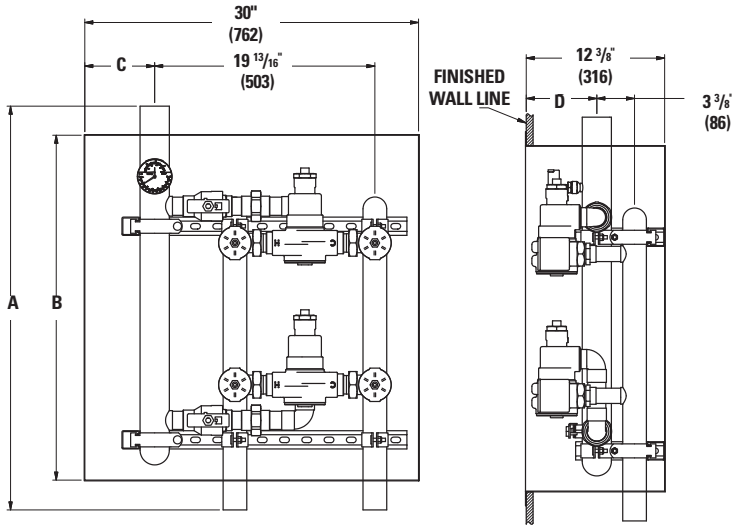
****Note: Low limit cannot be less than the cold water temperature. For best operation, hot water should be at least 5°F (3°C) above desired set point.*

Capacity ■

Flow Capacity at 50-50 Mixed Ratio								
Model	Min. Flow to ASSE 1017	Cv	Pressure Drop Across Valve					
			5psi (34 kPa)	10psi (69 kPa)	20psi (138 kPa)	30psi (207 kPa)	45psi (310 kPa)	60psi (414 kPa)
SH1432DV	2 gpm	27.4	61 gpm	87 gpm	123 gpm	150 gpm	184 gpm	213 gpm
	8 lpm		231 lpm	329 lpm	466 lpm	568 lpm	697 lpm	806 lpm
SH1434DV	2 gpm	37.4	84 gpm	118 gpm	167 gpm	205 gpm	251 gpm	290 gpm
	8 lpm		318 lpm	447 lpm	632 lpm	776 lpm	950 lpm	1098 lpm

Dimensions ■

SH1430 Dual Valve System (DV) Recessed Cabinet



Valve	Inlets	Outlet	A	B	C	D
SH1432DV	1-1/2 (40)	2 (50)	35-1/4 (685)	30 (762)	5-1/8 (130)	6-5/8 (168)
SH1434DV	2 (50)	2-1/2 (65)	36-3/8 (924)	31 (787)	6-1/4 (159)	6-1/2 (165)

Note:
Dimensions are shown ±1/2"
Dimensions in parentheses are in mm

Ordering Information ■

Valve	Inlets	Outlet	Order Code
SH1432/SH1434	1-1/2" (40)	2" (50)	SH1432DV
SH1434/SH1434	2" (50)	2-1/2" (65)	SH1434DV

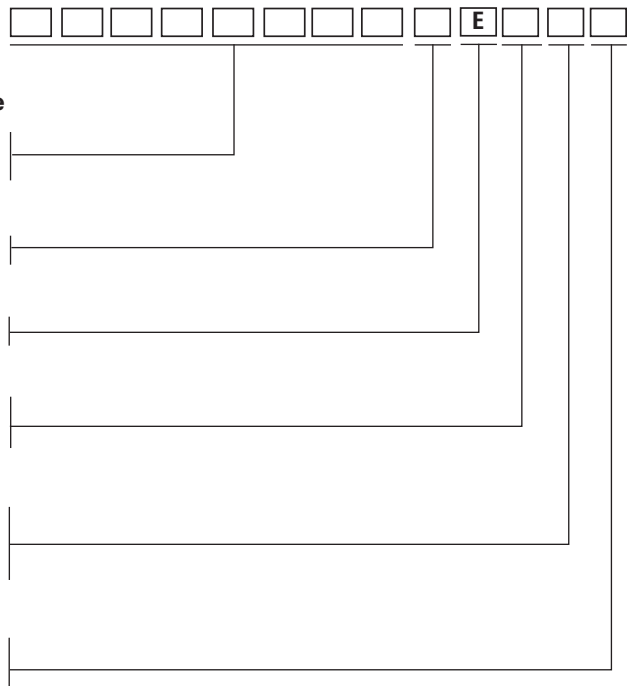
Finish
Rough Bronze, Copper

Piping
Bottom/Top

Cabinets
Stainless, Recessed
Painted, Recessed

Alarm (not factory installed)*
None
AquaSentry® 2** for SH1432HL
AquaSentry® 2** for SH1434HL

View Port
None
Window



* Mounting requirements vary based on individual installation.
** Includes control module, sensor, electrical box, transformer, solenoid, shock absorber, and 25' of station cable.

Recirculation Piping Diagram ■

Please see Piping Diagram Section of this catalog.

Typical Specification ■

DV water temperature control system shall be factory assembled and tested and include a stainless steel or painted steel cabinet. It shall include two thermostatic mixing valves capable of maintaining water temperature to 5°F (3°C) above set point. DV shall include two HydroGuard® XP SH1430 Series Master-Tempering Valve with advanced, paraffin-based actuation technology. DV shall also include copper piping, ball valve(s) and temperature/pressure gauge for diagnostics. The tempering valve shall have union checkstops, an outlet temperature range of 90 – 160°F (32 - 71°C) (with lockable means), and a single seat design for positive shutoff. Valve shall be ASSE 1017 listed and CSA certified. Minimum flows to ASSE 1017 shall be 2.0 gpm (8 lpm) for SH1432 DV and SH1434 DV. Valve shall be a Powers' model _____. All alternatives must have written approval prior to bidding.

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

POWERS™

A Watts Water Technologies Company



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Canada: Phone: 1.888.208.8927 • Fax 1.888.479.2887 • www.powerscontrols.ca