Job Name	Contractor
Job Location	Approval
Engineer	Contractor's P.O. No.
Approval	Representative

### LEAD FREE\*

# HydroGuard® XP Hi/Lo Master Tempering Valves

## Supply Fixture Series LFSH1430 Bottom Inlets/Bottom Outlet – Exposed

#### **Features**

- Features Lead Free\* construction to comply with Lead Free\* installation requirements.
- 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 valve and piping
- Rotatable union triple-duty checkstops with filters, dial-thermometer, ball valve
- Rough bronze and chrome finishes

#### **Specifications**









Advanced Thermal Activation

- \* The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (0.25%) of lead by weight.
- \*\* With equal pressure
- \*\*\* Minimum flow when the valve is installed at or near hot water source w/recirculated tempered water with a properly sized continuously operating recirculating pump
- \*\*\*\* Note: Low limit cannot be less than the cold water temperature.

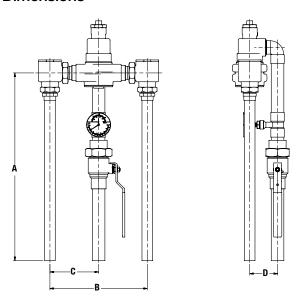
  For best operation, hot water should be at least 5°F (3°C) above desired set point.

#### Capacity

Flow Capacity at 50-50 Mixed Ratio								
		Pressure Drop Across Valve						
Model	Min. Flow	r	5 psi	10 psi	20 psi	30 psi	45 psi	60 psi
IVIOUEI	to ASSE 1017	C <sub>v</sub>	(34 kPa)	(69 kPa)	(138 kPa)	(207 kPa)	(310 kPa)	(414 kPa)
LFSH1432	1 gpm	8.54	19 gpm	27 gpm	38 gpm	47 gpm	57 gpm	66 gpm
LF3H143Z	4 lpm		72 lpm	102 lpm	144 lpm	178 lpm	216 lpm	250 lpm
LFSH1434	1 gpm	19.00	42 gpm	60 gpm	85 gpm	104 gpm	127 gpm	147 gpm
LF301434	4 lpm		159 lpm	227 lpm	322 lpm	394 lpm	481 lpm	556 lpm
LFSH1435	5 gpm 30.00	67 gpm	95 gpm	134 gpm	164 gpm	201 gpm	232 gpm	
LF3H1433	19 lpm	30.00	254 lpm	360 lpm	507 lpm	621 lpm	761 lpm	878 lpm



#### **Dimensions**

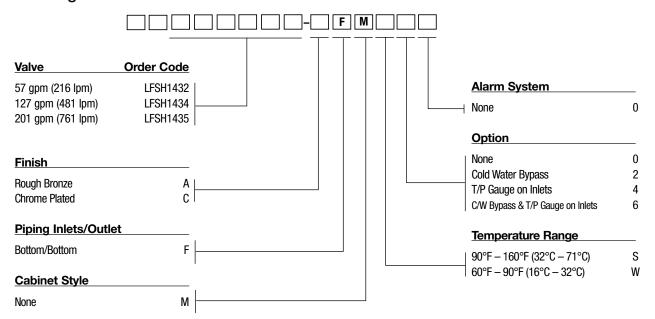


Valve	Α	В	C	D
LFSH1432	16-¾"	9-1/8"	4-1/2"	2-¾"
	(425)	(232)	(114)	(70)
LFSH1434	24-1⁄4"	12-%"	6-1/4"	3-%"
	(616)	(321)	(159)	(92)
LFSH1435	27"	15-%"	7-7/8"	4-1/4"
	(686)	(397)	(200)	(108)

Note: Dimensions are shown ±½" Dimensions in parentheses are in mm

Valve	Inlets	Outlet
LFSH1432	<sup>3</sup> ⁄ <sub>4</sub> " (20)	1" (25)
LFSH1434	1-¼" (32)	1-½" (40)
LFSH1435	2" (50)	2" (50)

#### **Ordering Information**



#### **Recirculation Piping Diagram**

Please see Piping Diagram Section of this catalog.

#### Typical Specification — Supply Fixtures

Supply Fixture shall be factory assembled and tested and feature a HydroGuard® XP LFSH1430 Series Single-Valve Hi/Lo with advanced, paraffin-based actuation technology. The valves shall be constructed using Lead Free\* brass. Lead Free\* brass valves shall comply with state codes and standards, where applicable, requiring reduced lead content. Supply Fixture shall also include copper piping, ball valve(s) and temperature/pressure gauge for diagnostics. The tempering valve shall have union check stops, an outlet temperature range of  $90 - 160^{\circ}F$  ( $3^{\circ}C$ ). With lockable means), a single seat design for positive shutoff and an approach temperature of  $5^{\circ}F$  ( $3^{\circ}C$ ). Valve shall be ASSE 1017 listed and CSA certified. Minimum flows to ASSE 1017 shall be LFSH1432 (1.0 gpm, 4 lpm), LFSH1434 (1.0 gpm, 4 lpm), LFSH1435 (5.0 gpm, 19 lpm).

Valve shall be a Powers' model \_\_\_\_\_. All alternatives must have written approval prior to bidding.



A WATTS Brand

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