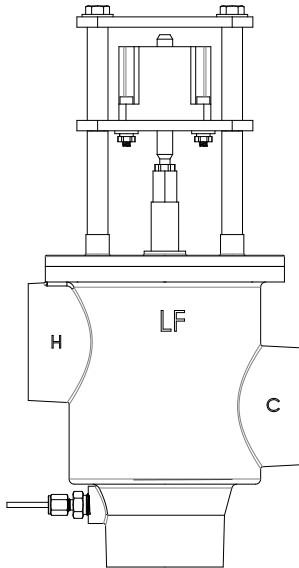




# PNV-150-LF-LCV

- Digital Mixing Valve with integral RTD Sensor
- 1-1/2" NPT inlets, 1-1/2" NPT outlet (38mm X 38mm)
- Valve controls at times of no use, 0.0 GPM\*\*
- Maximum operating pressure: 200 PSIG (1379 KPA)
- Controls water temperature to +/- 2°F in accordance with ASSE 1017
- Controls water temperature to +/- 2°F during times of low / no system demand
- Self-Balancing, do not need to adjust or balance recirculation
- Self-Cleaning, daily shuttle sweep keeps shuttle free of debris
- Automatic Hot/ Cold Water shutoff upon cold/ hot water inlet supply failure
- Alerts user when unit requires maintenance
- User programmable set point range between 65°F and 180°F, Displays outlet temperature
- Simple/intuitive user commissioning and setup
- UL Listed control box and 120V plug in power supply with 6' cord
  - Option for Backup Uninterruptable Power Supply in the event of primary power loss w/ approx. two hours run time

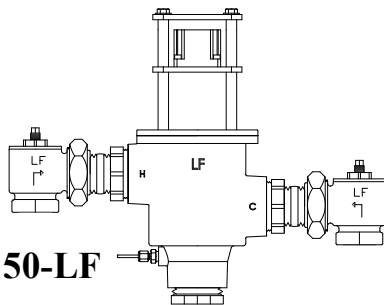


**PNV-150-LF-LCV**

**\*\*NOTE:** The valve will maintain temperature with 0.0 GPM flow from the domestic hot water loop when properly installed near the hot water source with a continuously operating recirculation pump at 5 GPM.

**OPTIONS:**

- \_\_\_ **PNV-150-LF** – Complete valve assembly with check valves included, 1-1/4" in, 1-1/2" out
- \_\_\_ **IOT** – Internet of Things, Modbus to Wi-Fi gateway that connects to the Cloud to allow online monitoring of outlet temperature and Modbus connectivity to BMS
- \_\_\_ **BPS** – Back-up Power Supply, uninterruptable power supply with up to 2 hours run time in case of primary power loss



**PNV-150-LF**



Product is non-cancellable and non-returnable from date from order with factory. Signed submittal required with purchase order.

This product is certified to meet Low Lead requirements of wetted surface area containing less than 0.25% lead by weight



**WARNING:** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer. For more information, go to [www.P65Warnings.Ca.gov](http://www.P65Warnings.Ca.gov)

Valve assembly is ASSE 1017 Certified



Valve assembly is CSA Certified



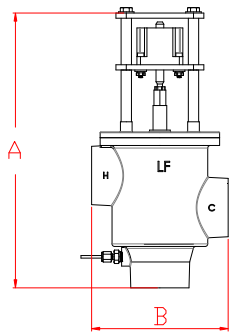
Valve electronics are UL Certified



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 Web Site: <http://www.leonardvalve.com>

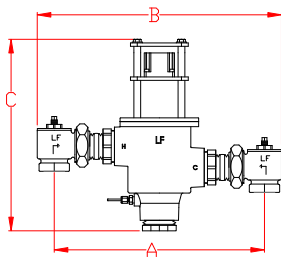
MINIMUM FLOW (GPM) (l/min)	PRESSURE DROP										
	5	⑩	⑮	⑳	25	30	35	40	45	50	PSI
	.3	.7	.97	1.4	1.7	2.1	2.4	2.8	3.1	3.4	BAR
0.25**	50	72	86	100	115	122	136	140	158	165	GPM
(0.95)**	189	273	326	379	435	462	515	530	598	625	l/min

### PNV-150-LF-LCV

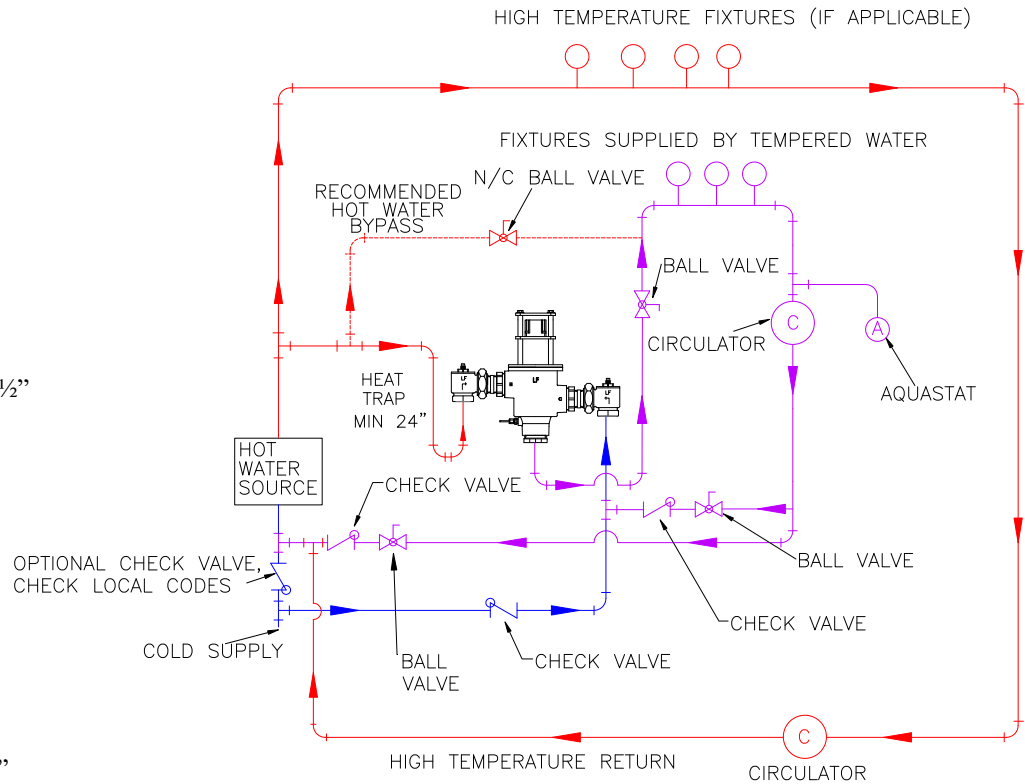


A = 13" ± 1/2"    B = 6-1/2" ± 1/2"

### PNV-150-LF



A = 16" ± 1/2"    B = 19 ± 1/2"  
C = 14" ± 1/2"    Depth = 6" ± 1/2"



**CAUTION!** All thermostatic water mixing valves have limitations. They will NOT provide the desired accuracy outside of their flow capacity range. Consult the Flow Capacity Chart and DO NOT OVERSIZE. Minimum flow must be no less than as indicated.

**NOTE:** Flow rates will vary depending on existing field conditions. Leonard Valve Company always recommends using CASPAK® sizing software for proper valve sizing and model number applications.

**Engineer's Approval**

Job # \_\_\_\_\_

Arch/Eng. \_\_\_\_\_

Contractor \_\_\_\_\_

Note: The models shown represent Leonard Products which are believed to be equivalent in type and function to items specified. Leonard Valve Company is not responsible for errors or omissions due to differences in interpretations of information provided.

Note: Leonard Valve Company reserves the right of product, or design modifications without notice or obligation.



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