

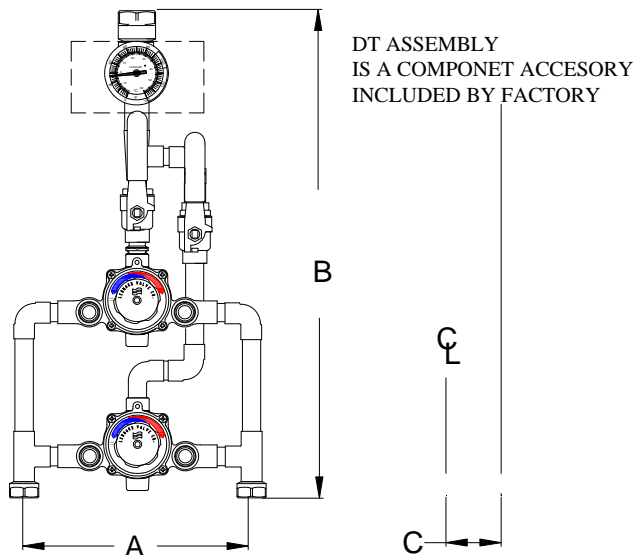
NEXT GENERATION HIGH LOW SYSTEM

ECO-MIX™

Submittal Data Sheet S-1233A-LF

March 1, 2018

TM-420B-LF-DT-_____



- Large Type TM Thermostatic water mixing valve, adjustable high temperature limit stop*, inlet check stops, wall support, outlet ball valve
- Small Type TM Thermostatic water mixing valve, adjustable high temperature limit stop*, inlet check stops, outlet ball valve
- 3/4" inlets, 1" outlet (19mm X 25mm)
- 1 GPM (3.7 l/min) minimum flow capacity
- Color-coded dial thermometer (0 to 140°F, -10 to 60°C)
- Inlet manifold piping
- Locking temperature regulator
- Factory assembled and tested

This product is certified to meet Low Lead requirements of wetted surface area containing less than 0.25% lead by weight. All other component accessories, the sum total of which comprise the wetted surface of this product, contain less than one quarter of one percent lead by weight.

OPTIONS:

- ____ SUFFIX CP – Chrome plated (Material finish may vary)
- ____ SUFFIX IT – Inlet Thermometers (shipped loose)
- ____ SUFFIX TC – Test connection (shipped loose)
- ____ SUFFIX HT – High temperature thermometer (20 to 240°F, -6 to 115°C)

Valve assembly is ASSE 1017 Certified 

Valve assembly is CSA Certified 

A=11" +/- 1/2" B=21- 1/4" C=2-1/2"

| MINIMUM FLOW (GPM) (l/min) | SYSTEM PRESSURE DROP (PSIG) | | | | | | | | | | PSI |
|-------------------------------|-----------------------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|
| | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | |
| 1.0 (3.8) | 12 45 | 18 68 | 22 83 | 26 98 | 30 114 | 33 125 | 36 136 | 39 148 | 42 159 | 44 167 | GPM l/min |

+NOTE: The valve will maintain temperature with 0.5GPM flow from the domestic hot water loop when properly installed near the hot water source with a continuously operating recirculation pump.

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

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

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:** A limit stop, set for 120°F (49°C), is simply a mechanical setting to prevent excessive handle rotation. If incoming water is hotter than 150°F (65.5°C), the temperature of the factory test, the valve when turned to full HOT may deliver water in excess of 120°F and the limit stop MUST BE RESET BY THE INSTALLER

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.

 **LEONARD®**
WATER TEMPERATURE CONTROLS

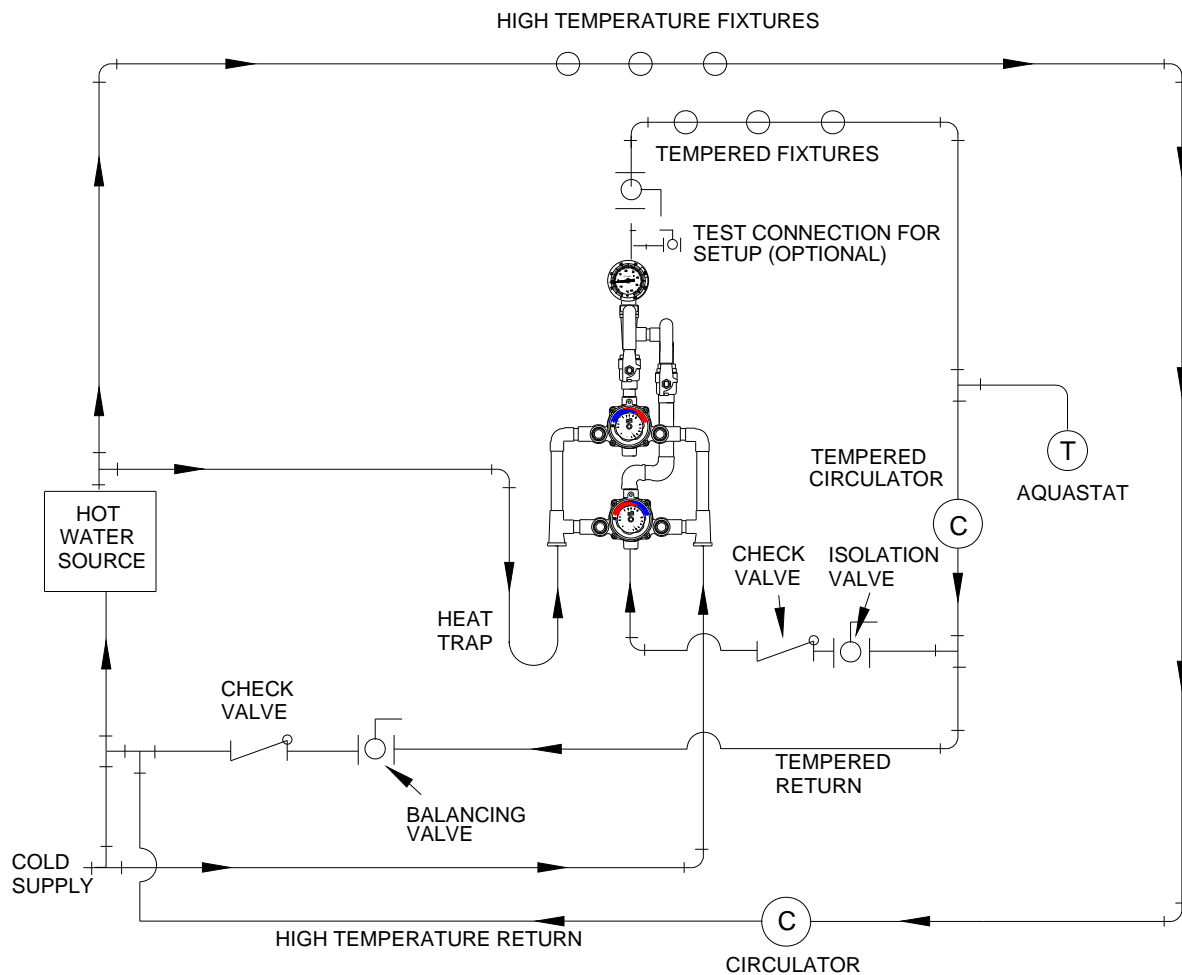
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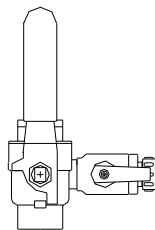
Email: info@leonardvalve.com

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

PIPING METHOD #2, only for systems circulating 8 GPM or less. See Method #5 for circulated flow rates above 8 GPM.



(OPTIONAL) TEST CONNECTION



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