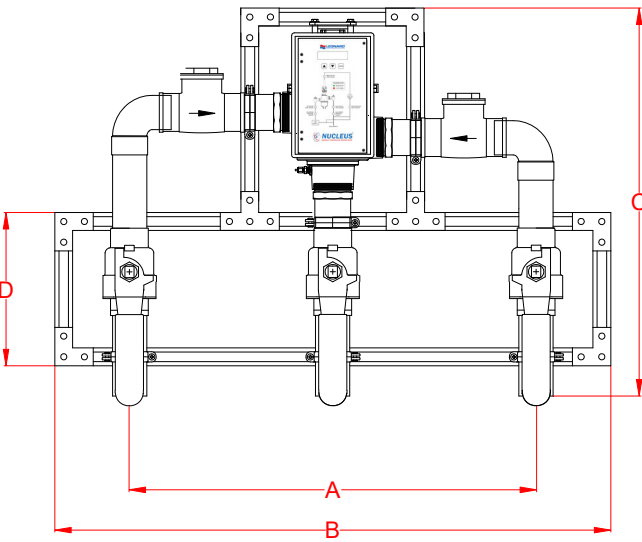


NV-300-LF

- Digital Mixing Valve with 3" inlet angled check stops, 3" Outlet with ball valve and integral RTD Sensor
- 3" inlets, 3" outlet (76.2mm X 76.2mm)
- 0.25GPM** (.95 L/min) minimum flow capacity
- 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
- User programmable for on-site configuration, high-temperature sanitization mode, and high/ low alarm
- Six standard BMS languages, BACnet IP, BACnet MS/TP, Modbus TCP/IP, Modbus RTU, Metasys N2 and Ethernet/IP
- User adjustable settings at the controller or remotely through Building Automation System/ Building Management System
- Cloud-based monitoring and logging capabilities
- User programmable set point range between 65°F and 180°F
- Displays outlet temperature with options to display additional temperature points, pressure, and flow
- UL Listed 120V plug in power supply with 6' cord
- Factory assembled and tested

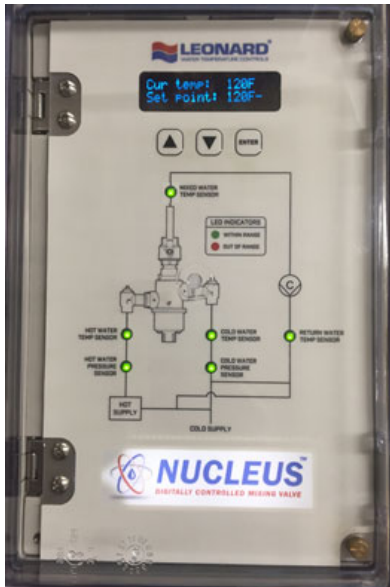


A = 3'-1" ± 4" B = 3'-9" ± 4"

C = 3'-0" ± 5"

D = 1'-2" ± 3" Depth = 1'-3" ± 3"

Note: Options will alter dimensions



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

****NOTE:** The valve will maintain temperature with 0.25 GPM flow from the domestic hot water loop when properly installed near the hot water source with a continuously operating recirculation pump.

SEE PAGE 3 FOR COMPLETE LIST OF OPTIONS



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

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

Valve assembly is ASSE 1017 Certified 

Valve assembly is cUPC Certified with **CUPC Option** 

Valve electronics are UL Certified 



1360 Elmwood Avenue, Cranston, RI 02910 USA

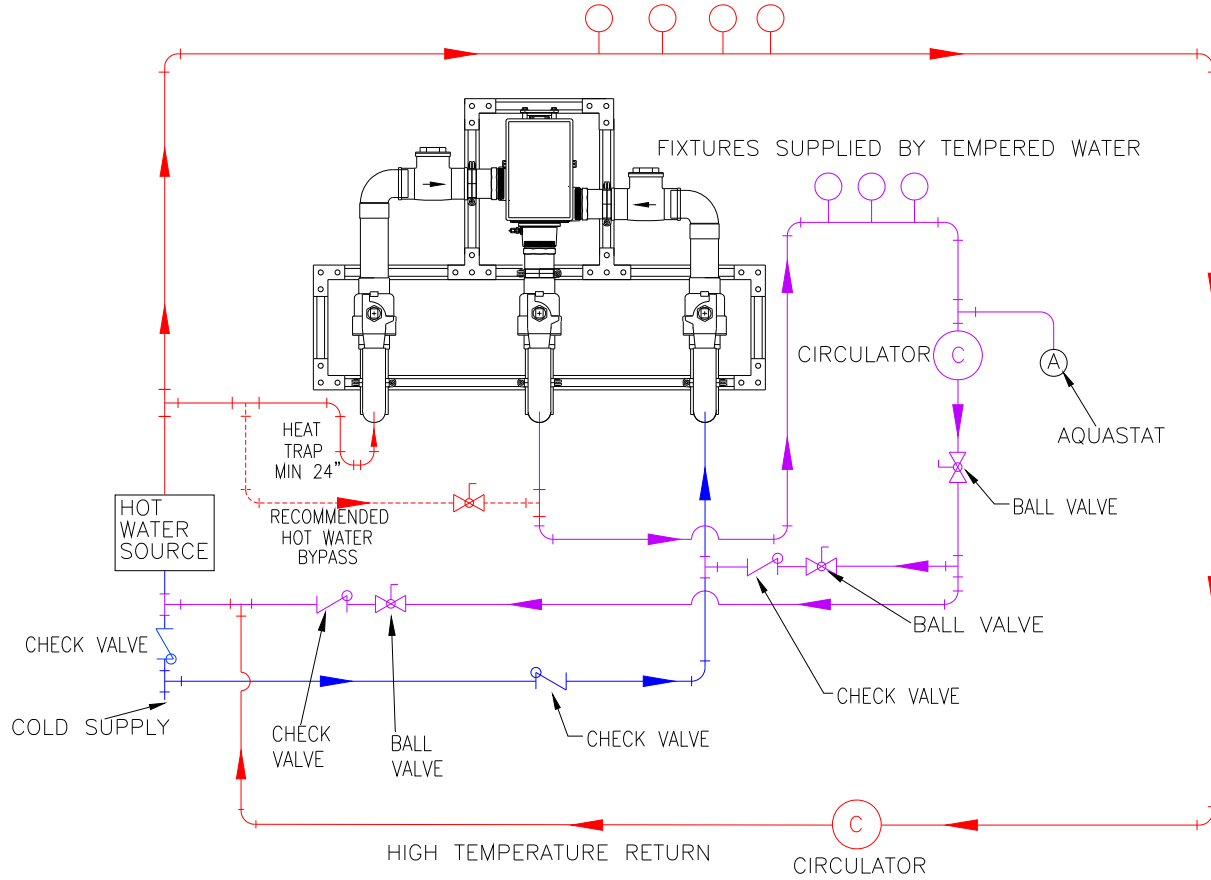
Phone: 401.461.1200 Fax: 401.941.5310

Email: info@leonardvalve.com

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

MINIMUM FLOW (GPM) (l/min)	PRESSURE DROP										
	5	10	15	20	25	30	35	40	45	50	PSI
	0.3	0.7	0.97	1.4	1.7	2.1	2.4	2.8	3.1	3.4	BAR
0.25**	97	135	163	191	213	235	262	288	296	303	GPM
(0.95)**	366	510	616	722	805	888	990	1089	1119	1145	l/min

PIPING METHOD W
HIGH TEMPERATURE FIXTURES



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.

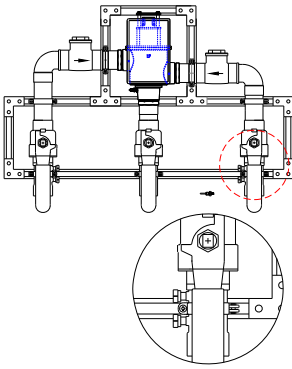
Note: Leonard Valve Company reserves the right of product, or design modifications without notice or obligation.



1360 Elmwood Avenue, Cranston, RI 02910 USA
Phone: 401.461.1200 Fax: 401.941.5310
Email: info@leonardvalve.com
Web Site: <http://www.leonardvalve.com>

OPTIONS AND ACCESSORIES

ANY OPTION CHOSEN WILL ALTER PRICING – CONTACT LEONARD VALVE COMPANY FACTORY



IF-RTS

- Monitor inlet hot & cold temperatures & pressures
- Return temperature sensor included
- Sensors installed and tested with control box
- Inlet fittings factory assembled and tested
- Temperature sensor compression fittings
- Return Temperature Sensor shipped loose
- IF-RTS option lowers pressure rating from 200 PSI to 125 PSI

RDU – Remote Display Unit

- Activated when Nucleus relay switch is in alarm mode
- Alarm Delay Module with yellow, red, green LED indicators
- UL listed 100-240VAC power supply with 10' cord
- Unit includes 9V NiMH rechargeable battery back up
- User selectable timer
- VELCRO mounting strips provided
- Recommended maximum distance from controller to RDU is 500'



SCO – Solenoid Control Option

- For use with Nucleus relay switch
- Galvanized box, 6” Wide x 6” High x 4” Deep
- Solid state relay and terminal strip mounted and wired
- UL listed 100-240VAC power supply with 10' cord
- For either normally open or normally closed operation
- For use with 24-240 VAC solenoids only

BPS – Backup Power Supply

- Uninterruptable Power Supply with up to 2 hours run time in case of primary power loss

DB – Daughter Board Option

- To display up to 4 additional temperature inputs, 1 flow channel input, and 1 configurable flow or pressure input channel.
- Choose one or more below

___ T5

___ T6

___ T7

___ T8

___ F1

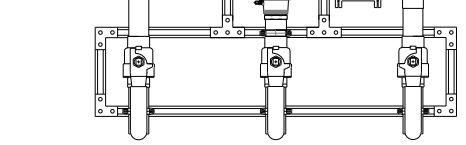
___ F2 or ___ P3

FLOW – Flow Meter

- Flow meter measures outlet flow rate (must choose DB, F1 above)

FLOW 2 – Second Flow Meter

- Flow meter measures return flow rate (must choose FLOW, DB, F1, F2 above)

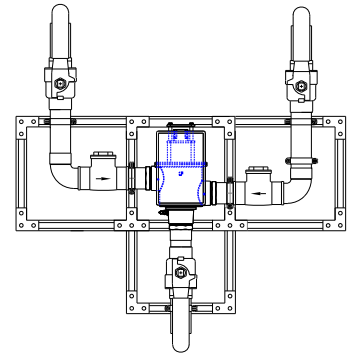


CUPC – Certified Valve Assembly

- Special wafer check valves included
- For use where cUPC certification is necessary

TOP – TOP INLETS

- Inlets turned up
- Outlet must remain facing down



*ANY OPTION CHOSEN WILL ALTER PRICING –
CONTACT LEONARD VALVE COMPANY FACTORY*

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

© 2024 Leonard Valve Company
Printed in USA



1360 Elmwood Avenue, Cranston, RI 02910 USA
Phone: 401.461.1200 Fax: 401.941.5310
Email: info@leonardvalve.com
Web Site: <http://www.leonardvalve.com>