



# NEUTRON™

**DIGITALLY CONTROLLED  
EMERGENCY MIXING VALVE**

**The World's First ASSE-1071 Certified Digital Emergency Mixing Valve**  
For use with eye/face wash and drench shower combination units



**ENV-6100-LF**

-  Easy Setup
-  Self-diagnostic and self-balancing
-  Daily self-cleaning feature
-  Internal cold-water bypass of 40+ GPM
-  Automatic hot water shut-off upon cold-water inlet supply failure
-  Valve standby position in FULL COLD
-  Internal check/stop valves for local isolation, servicing and cross-flow prevention
-  Industry's First Automated Valve with reminder to *test weekly* as per ANSI Z358.1-2014

Minimum Flow	PRESSURE DROP										PSI
	5	10	15	20	25	30	35	40	45	50	
	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.1	3.4	Bar
3.0	30	40	47	52	57	60	66	71	76	80	GPM
11.4	114	151	178	197	216	227	250	269	288	303	L/min



ASSE 1071 | NSF 372 COMPLIANT  
Proudly Assembled in the USA



Scan to download specifications



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# Save Labor, Save Money With The Neutron Digital EMV

 User-friendly features that can reduce overhead costs

 User programmable set-point range between 65 °F and 90 °F, displays current outlet temperature

 1-1/4" NPT inlets, 1-1/2" NPT outlet (32 mm x 38 mm)

 Valve controls at times of no use: 0.0 GPM\*

Options:

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

 UL Listed control box and 120V plug-in power supply with 6-foot cord

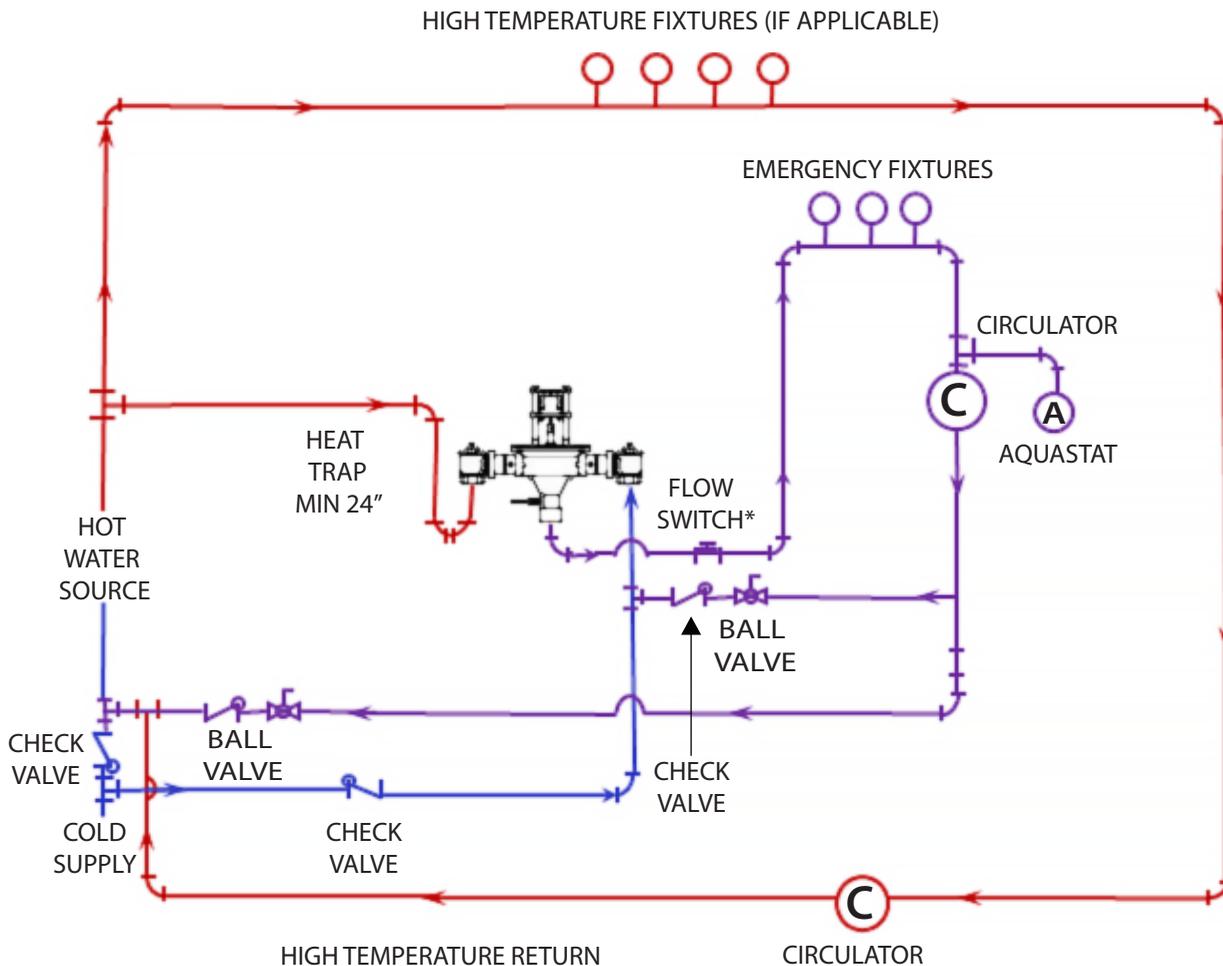
 Controls water temperature to +/- 2 °F during times of low/no system demand

 Maximum operating pressure: 125 PSIG (862 kPa)

 Alerts user when unit requires maintenance

\*Note:

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



\*FLOW SWITCH MUST BE LEVEL AND IN CORRECT DIRECTION

*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)*

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