

MEGATRON-ENV-6100-LF

Neutron Digital Emergency Mixing Valve

1. Neutron Digital Emergency Mixing Valve

- A. Mixing Valve shall be Digital and comply with National Low Lead Laws @< .25% Lead
- B. ENV-6100-LF shall:
 - 1. have 1 ¼" inlet/1 ½" outlet connections with integral stop/check valves
 - 2. 2-line, 16-character LED display
 - 3. Integral RTD Sensor
 - 4. Deliver mixed water flow of 60 GPM @ 30 PSI Pressure Drop
 - 5. Maintain temperature with .25 GPM flow from the domestic hot water loop
- C. MEGATRON-ENV-6100-LF shall have all the following operational capabilities:
 - 1. Daily shuttle sweep designed to prevent scale buildup on internal mechanical components
 - 2. +/- 2°F water temperature control at times of use and no demand
 - 3. Self-Balancing, do not need to adjust or balance recirculation
 - 4. Self-Cleaning, daily shuttle sweep keeps shuttle free of debris
 - 5. Automatic shutoff of hot water upon cold water inlet supply failure
 - 6. Automatic cold water bypass of 40gpm upon hot water inlet supply failure
 - 7. User programmable set point range between 65 degree Fahrenheit and 90 degrees Fahrenheit, displays outlet temperature
 - 8. Maintain last control position in the event of power failure
 - 9. Option for backup UPS standby power in the event of primary power loss with approximately 2 hour run time
- D. MEGATRON-ENV-6100-LF shall be certified to ASSE standard 1071 and CSA B125.3-18 and so certified and identified
- E. MEGATRON-PNV-150-LF shall be cULus listed and identified
- F. Maximum Operating Pressure shall be no greater than 125 PSI
- G. BMS connectivity available with Proton 2.5 box utilizing BACnet MS/TP connection
 - 1. MEGATRON-ENV-6100-LF-2.5
- H. Megatron ENV-6100-LF shall be strut mounted and include: check valve and locking full port ball valves on inlet piping, outlet locking full port ball valve, 2 GFCI receptacles, Taco 0034ePlus circulator, 1" recirculation loop tie-in with check valves and full port ball valves.