

Installation Guide

Mounting

1. Clean the lines upstream from the valve. Remove any debris larger than 0.06" (.015 mm).
2. Align the valve's flow indicator with the system flow.
3. Mount the valve so the actuator is positioned over valve.

⚠ CAUTION

To prevent condensation from dripping onto the actuator housing, mount the valve with the actuator in the upright position or, at most, at a 45° angle.

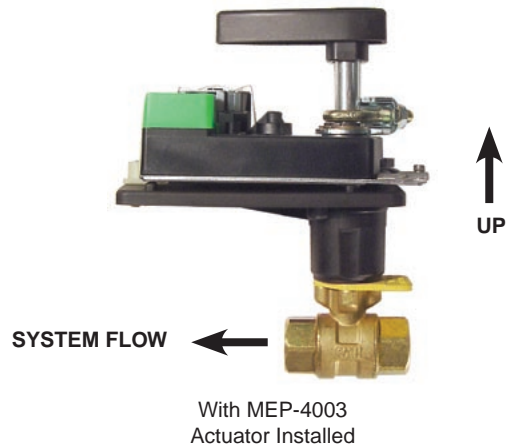
4. Seal valves with approved pipe sealant.
5. Using two wrenches, secure the valve to the pipe. Torque should not exceed 75 ft-lbs. (102 N•m).
6. Eliminate air from the system to keep the valves full of fluid during operation.

NOTE: If the system experiences large amounts of debris, steps should be taken to keep the system clean.

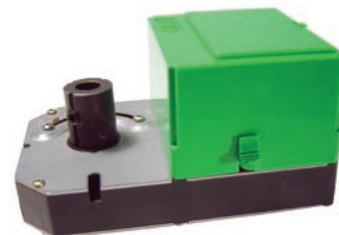
⚠ CAUTION

Using mineral oil lubricants or other incompatible substances in system fluids may damage EPDM rubber seals in valves. Before using any lubricant or additive in a water or ethylene glycol base, consult the substance manufacturer for compatibility with EPDM (Ethylene Propylene Diene Monomer).

ACTION:
Full CW = Valve Closed
Full CCW = Valve Open



MEP-4002 Actuator



MEP-5372/5373 Actuator

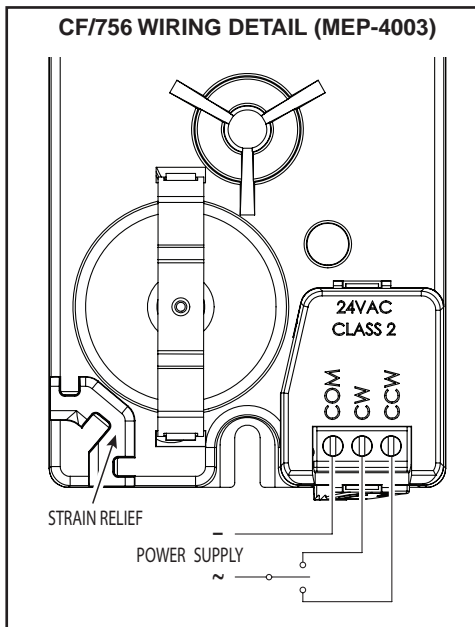
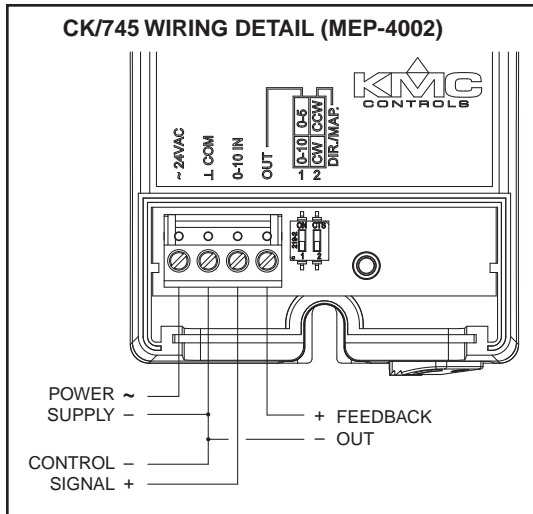
Wiring

NOTE: The last two digits of the VEB valve model number refer to the installed actuator model (e.g., VEB-43xxxCF has an MEP-4003 actuator). The last three digits of the older VEP valve model number refer to the installed actuator model (e.g., VEP-45xxx745 has an MEP-4002 actuator).

NOTE: For wiring and other information about actuators no longer sold with these valves, see the respective actuator's installation guide.

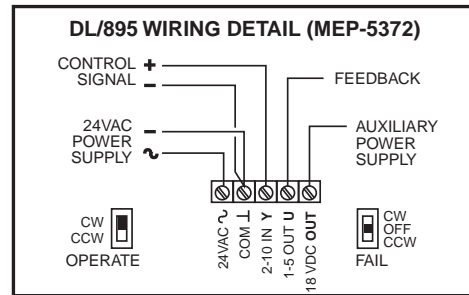
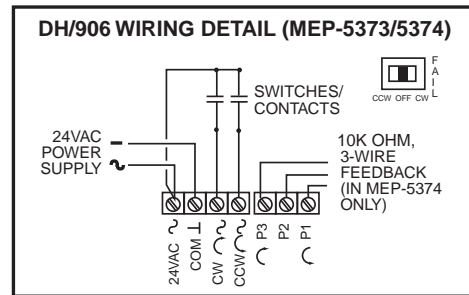
MEP-4000 Series Actuators

For additional instructions on wiring, feedback selector, and actuator/signal range reset (auto-mapping), see the installation guide for the MEP-4000/4800 series actuators.



MEP-5000 Series Actuator

Wire the actuator according to the relevant diagram. The actuator's wiring cover has two 5/8" diameter openings with shutter bushings to provide support for 0.125" through 0.4" diameter wire/cable. Use the HMO-4518 for 1/2" flexible conduit, the HMO-4520 compression connector for plenum cable, or the HMO-4526 female connector for 1/2" conduit. For additional instructions, see the installation guide for the relevant MEP-5000 series model actuator.



Operation

After the mechanical and electrical installations have been completed, cycle the actuator to verify the direction of rotation for normal operation and fail-safe if so equipped.

Maintenance

No routine maintenance is required. Each component is designed for dependable, long-term reliability, and performance. Careful installation will also ensure long-term reliability and performance.

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