

ASEPCO Diaphragm Replacement Instructions for Pneumatic Actuators

For information or assistance, please give us a call at 1-800-882-3886

ALL ASEPCO actuators (manual and pneumatic) are OPEN when the position indicator is protruding from the actuator. It is CLOSED when the position indicator is flush with the actuator. Diaphragms MUST be mounted on the shaft when shaft is fully extended (in the CLOSED position).

WARNING: VALVE CLAMP MUST NOT BE OPENED DURING STEAMING OR WHILE VALVE IS UNDER PRESSURE.

Normally Closed Pneumatic Actuators ALL SIZES

REMOVING:

1. Make sure air to the actuator is ON.
2. Remove clamp.
3. Remove actuator and diaphragm assembly by grasping diaphragm edge and pulling downward from valve body.
4. Turn off or disconnect actuator from air source. Run your thumb between diaphragm edge and actuator to break any gasket bead.
5. Turn diaphragm *counterclockwise* until completely unscrewed from actuator.

REPLACING:

1. While air to actuator is OFF, mount diaphragm on actuator shaft and turn *clockwise* until fully seated. **Do NOT force;** Finger-tight is sufficient
2. Insert actuator and diaphragm assembly into valve body. Ensure good seating by rocking assembly into position.
3. Turn air source ON to fully open actuator, position indicator should be protruding from the top of the actuator. This pulls diaphragm back to allow firm tightening.
4. Reinstall clamp.

Normally Open Pneumatic Actuators ALL SIZES

REMOVING:

1. Make sure air to actuator is OFF.
2. Remove clamp.
3. Connect actuator to air source, turn air ON.
4. Remove actuator and diaphragm assembly by grasping diaphragm edge and pulling downward from valve body.
5. Run your thumb between diaphragm edge and actuator to break any gasket bead.
6. Turn diaphragm *counterclockwise* until completely unscrewed from actuator.

REPLACING:

1. Connect actuator to air supply and turn air ON.
2. Mount diaphragm on actuator shaft and turn *clockwise* until fully seated. **Do NOT force;** Finger-tight is sufficient.
3. Insert actuator and diaphragm assembly into valve body. Ensure good seating by rocking assembly into position.
4. Turn OFF or disconnect the air source to pull diaphragm back and allow easy assembly.
5. Reinstall clamp.

- NOTE:
1. Improper diaphragm mounting can cause semi-circular or circular cuts on the diaphragm at the seating surface.
 2. Hard piped air lines to pneumatic actuators have been associated with misalignment upon assembly (and thus, seal failure). Please provide some flexible airhose at the pneumatic actuator to avoid this.