SPECIALTY

CALIFORNIA VALVE

Model EV400 Seismically Actuated Valve

CA DSA# 16-E02

PSP's Model EV400 can be used to protect a variety of piping systems. This includes water lines, high pressure gas lines, high and low pressure steam lines or just about any piping system our standard product line cannot cover. This product will require additional components not supplied by PSP. Please Contact PSP for more information.

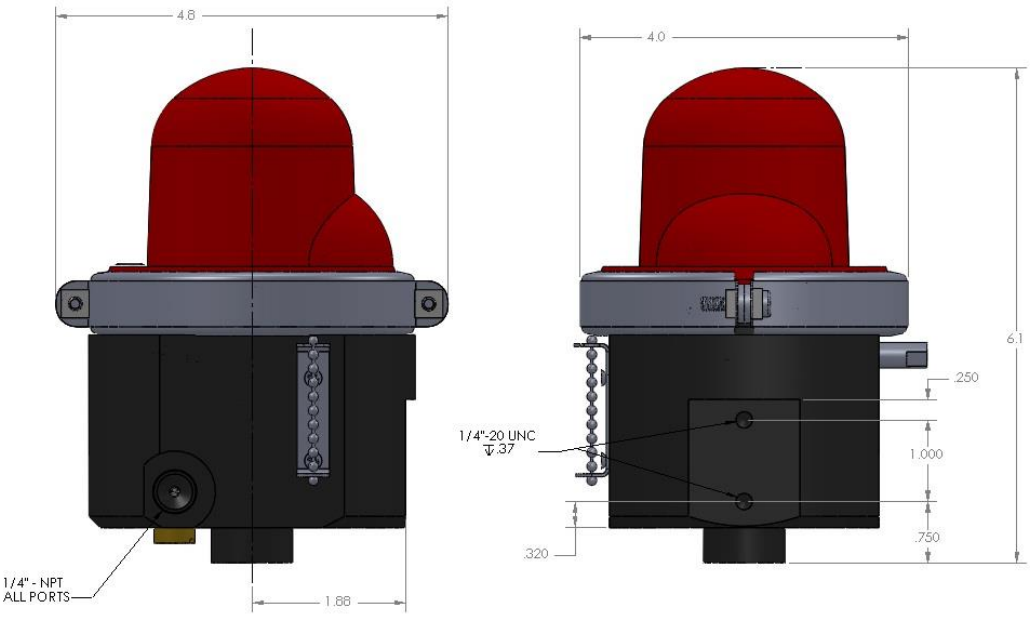
The Model EV400 is an all mechanical, earthquake activated, 3 way - 2 position pneumatic valve. This valve, when used in conjunction with a spring fail pneumatic actuator, can be used to cut off the supply to almost any piping system during a seismic event. Mounting is accomplished using the two ¼"-20 UNC mounting holes, and the attached leveling chain. Using compressed nitrogen, or clean and dry compressed air (regulated to 80 psi) the Model EV400 can control just about any pneumatic control valve.

More Information And Specifications On Back

SPECIFICATIONS

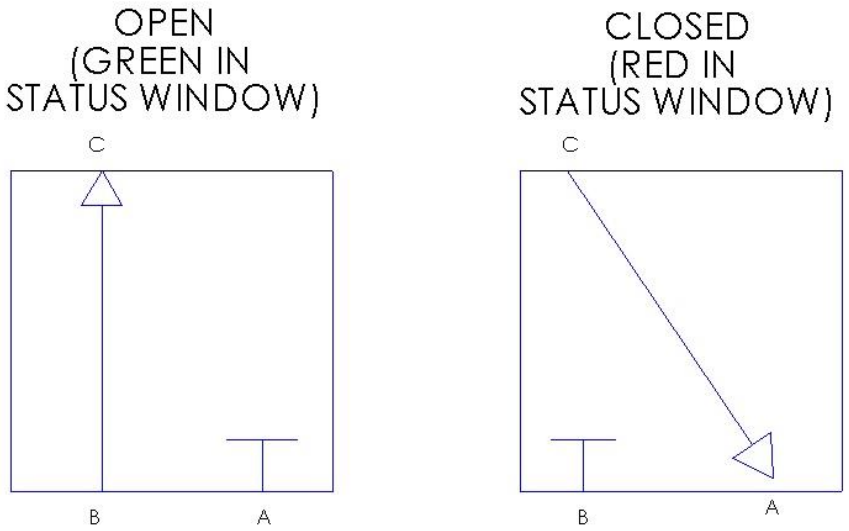
Specifications: Model EV400

3-WAY VALVE



Model #	CA-DSA #	Length	Height	Width	Connection Size	Thread Type	Max Pressure	Gas Type
EV400	16-E02	4.8"	6.1"	4"	1/4"	NPT	80 PSI	Nitrogen/Clean Dry Air

Valve Circuit



800-4-GAS-OFF Pacific Seismic Products

233 East Avenue H-8 l Lancaster, CA 93535 l USA l Tel: (661) 942-4499 l Fax: (661) 942-0999

www.4GasOff.net

Pacific Seismic Products, Inc.
Lancaster, California 93535 U.S.A.
www.4gasoff.net

Model 400
Earthquake Actuated 3-Way Valve
Instructions

Mounting:

- Valve must be mounted on a rigid surface that is free from unwanted vibrations.
- Valve location should be such that the valve will not be struck, or subjected to abuse or tampering.
- Valve location should allow for easy access to the reset shaft, and an unobstructed view of the valve status indicator window.
- Use the two (2) ¼”-20 UNC mounting holes located on the valve body for mounting. (see figure 1)
- Valve must be mounted level so that the level indicator chain is not touching the level chain bracket. (see figure 2)
- Valve should be located in a place where it is not subjected to unnecessary water spray.

Plumbing:

- All lines entering and exiting the valve must be free of scale, contaminants and residual oils before connecting to the valve.
- Make sure no “Pipe Dope” or Teflon Tape is allowed to enter the valve body before, during or after installation of fittings.
- Make sure all lines entering/exiting the valve do not vibrate, or cause unwanted vibrations at the valve body. Brace lines if necessary.
- Use of an Air Filter/Breather on the exhaust port of the Model 400 is necessary NOT PROVIDED (see figure 3). No ports should be left open to the outside environment without filtration. Filters should be capable of removing/stopping debris 100 microns or larger.
- Use Nitrogen or Clean, Dry air ONLY in the model 400 system. When using industrial air it should be filtered to remove contaminants 100 microns or larger, and have a Pressure Dew Point of -40°C or lower. (IMPORTANT)

Opening/Resetting:

- Valve will arrive in the closed position. (red in status window)
- Do Not remove any Brass Plugs or Screws from the valve. No Adjustments can be done to this valve. Removal of the plugs or any attempt to adjust the valve will Void the Warranty. (IMPORTANT)
- Valve can be reset with pressure in the lines. (80psi MAX operating pressure)
- Do not apply excessive torque to the reset shaft.
- To open valve turn reset shaft approximately 105° clockwise, or until green appears in the status window.
- Once opened allow the reset shaft to return to its original position. The valve status window should remain green.
- Upon Seismic activation all lines should be checked for leakage (including the line(s) being controlled by the model 400), and valve should be checked to insure the mounting is still satisfactory.

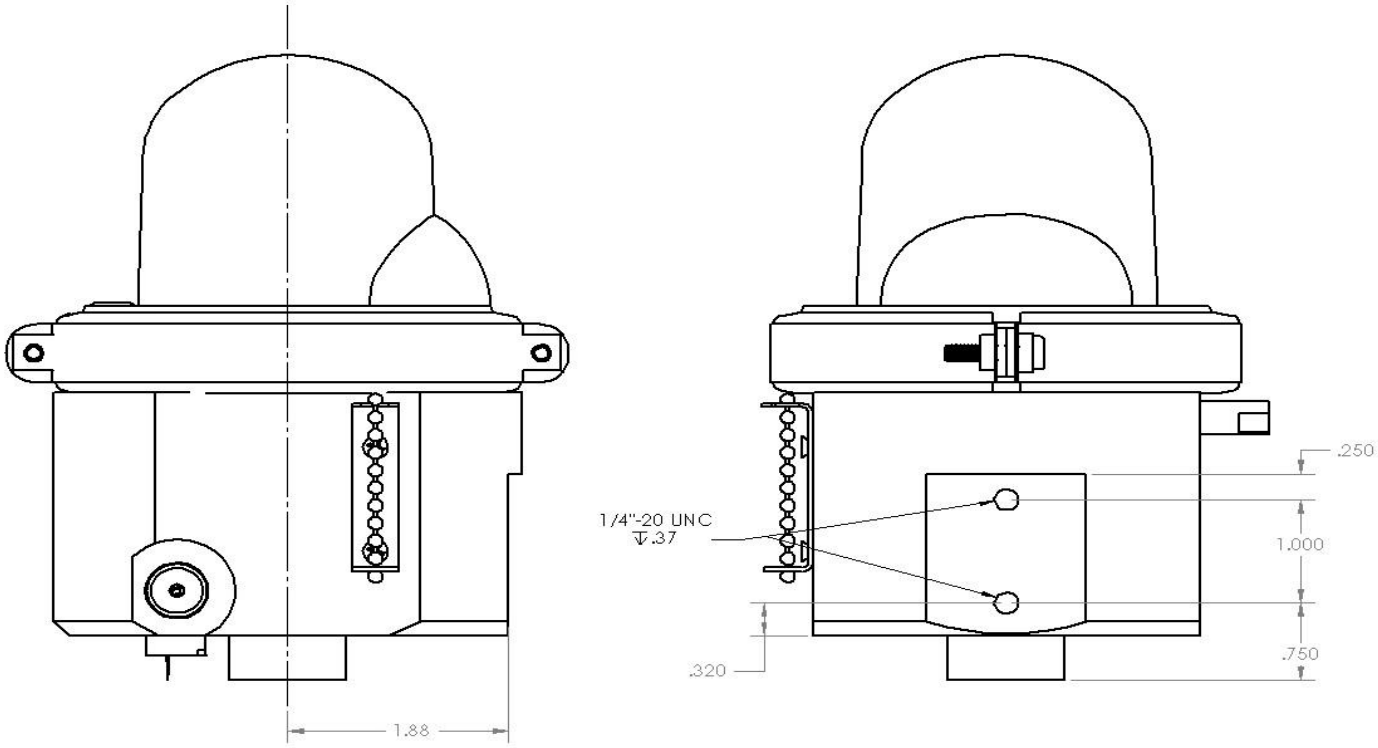


Figure 1 – Mounting Dimensions

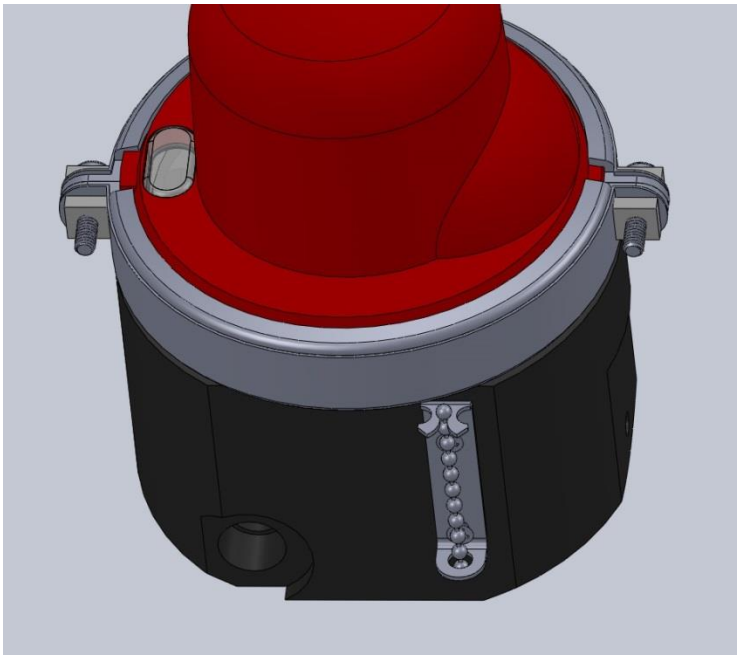


Figure 2 – Level Chain

Figure 3 – Filter/Breather

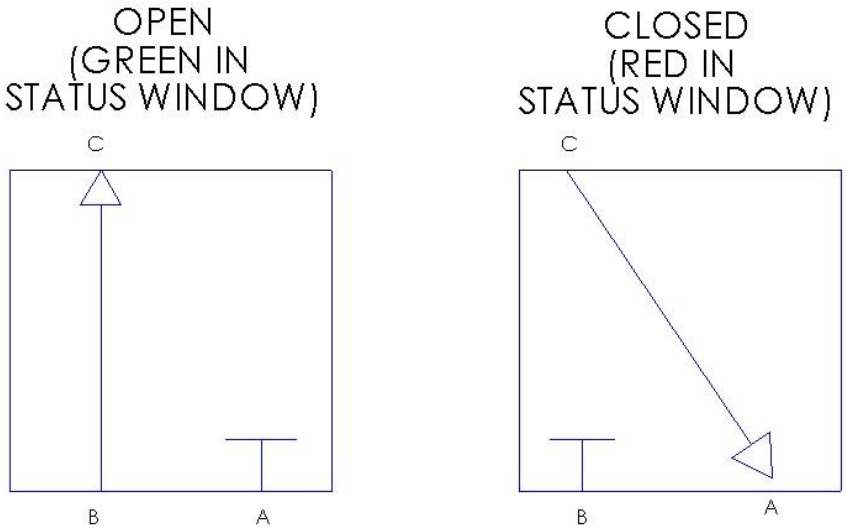


Figure 4 – Valve Port Diagram