

Installation and maintenance must be done to the requirements of the local building codes, or in the absence of such, to the requirements of the National Fuel Gas Code (ANSI-Z223.1), and if applicable to the National Electrical Code (NFPA #70), and must be performed by personnel having the qualification required by the authority having jurisdiction to install and service natural gas lines and equipment.

Pacific Seismic valves are Tested and Listed to ASCE 25 by Underwriters Laboratories (SA5723), Approved by the California State Architect, and by the City of Los Angeles (RR5080).

Maintenance/Verification of Valve Operation

Unless otherwise specified by code, it is recommended that the valve be inspected at least once a year to ensure that the valve is level and hasn't been damaged. If the valve is found to be out of level or appears damaged, the customer should call a qualified gas service technician for repairs.

During Installation when making pipe connections to the valve body, the turning effort on the valve pipe threads **SHALL NOT EXCEED** the values in this chart:

Nominal Pipe Size	Turning Effort (in.-lbs.)
3/4" NPT	560
1" NPT	750
1-1/4" NPT	875
1-1/2" NPT	940
2" NPT	1190
2-1/2" & 3" NPT	1310
4" NPT	1500

After Installation is complete, the gas service should be restored according to the **Operating & Resetting of the Valve** (see inside page).

After an Earthquake

Once an earthquake or aftershock(s) ceases, gas plumbing damage may have occurred. The acceleration trigger of the California Valve will have shut off the gas supply to your house. If, however, a gas leak still exists, the gas service should be turned off at the main shut off valve. Do not turn the gas on again without having the gas line checked for leaks. You will be safer if you let authorized personnel restore service.

Warning

If the "Reset Shaft" does not return to its original position, or the valve remains closed and will not reset, please contact Pacific Seismic Products for assistance and troubleshooting techniques.

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**DO NOT
DISCARD**

For Additional Information and Product Registration,
Please Visit Our Website:
www.PSPValves.com

Pacific Seismic Products, Inc.

Downward Flow

Earthquake-Actuated Gas Shut Off Valves

Installation & Maintenance Instructions For California Vertical Top-Inlet Valves

Vertical Models #: VT-300, VT-301, VT-302, VT-303, VT-310, VT-311, VT-312, VT-313, VT-314, VT-314F, VT-315, VT-315F, VT-316, VT-316F, VT-317F, VT-318, VT-318F, VT-319F



Suitable For Use With Natural Gas or LP Gas
ONLY

Temperature Rating: -22°F to 158°F
(-30°C to 70°C)





1. Original meter & plumbing before any work has begun.



7. Configure new plumbing with PSP valve. Allow 5" to 6" from wall for valve reset shaft clearance.



8. Use Teflon tape or liquid sealant on all joints.

11. Install Pacific Seismic Products stabilizer bracket EVB-01 (or equivalent) to plumbing within 6" of valve, and secure to building.



2. Turn gas off at meter inlet valve. **DO NOT** use a pipe wrench.

Note: If valve is difficult to turn, contact your utility company.

12. Finish meter plumbing system with PSP seismic valve.



3. Loosen meter swivel.

13. **While gas is still off**, open seismic valve. **Do not** open against gas pressure.



4. Take care not to damage gasket when removing union.

Note: If gasket is damaged, call your local utility company for replacement.



9. Install union gasket and new plumbing from building to meter.



10. Using level chain as a guide, confirm valve is level.

14. Turn gas on at meter inlet valve, **do not** use pipe wrench.



Note: Open gas valve slowly to prevent damage to regulator.



5. Remove existing plumbing after meter.

Warning! Read and understand the following sections completely before attempting to reset valve.

Opening and resetting of the Valve - Model VT-300, VT-301, VT-302, and VT-303

When the valve is closed a Red Bar will be visible through the valve status indicator window located on the flat portion of the valve cover. To open the valve first verify that the main gas shutoff valve is closed, then **gently** rotate the Reset Shaft (located on the side of the valve) in the direction indicated by the "to open" arrow until the Green Bar is visible through the window. Release the turning effort. If reset has occurred the reset shaft will return to its original position, and the Green Bar will remain visible through the window. The valve is now open, and the acceleration mechanism is ready to respond to a seismic disturbance. You may now open the main gas shutoff valve.

Opening and resetting of the Valve – Model VT-310, VT-311, VT-312, VT-313, VT-314, VT-314F, VT-315, VT-315F, VT-316, VT-316F, VT-317F, VT-318, VT-318F, VT-319F

When the valve is closed a Red Bar will be visible through the valve status indicator window located on the flat portion of the valve cover. To open the valve first verify that the main gas shutoff valve is closed, then **gently** rotate the Reset Shaft (located on the side of the valve) in the direction indicated by the "to open" arrow, which will open the pressure release poppet in the main valve disc. Hold in this position until pressure equalizes across the main valve disc, then with very little turning effort, continue rotating the reset shaft until the Green Bar is visible through the window. Release the turning effort. If reset has occurred the reset shaft will return to its original position, and the Green Bar will remain visible through the window. The valve is now open, and the acceleration mechanism is ready to respond to a seismic disturbance. You may now open the main gas shutoff valve.

6. With original plumbing removed, build new plumbing from structure to meter.



15. Use soapy solution to check all joints for leaks.



16. Apply paint to all new plumbing to prevent rust.

Note: **Do not paint** PSP seismic valve.

