

**KEEP THIS OWNER'S MANUAL WITH YOUR VITAL HOUSEHOLD RECORDS**

NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

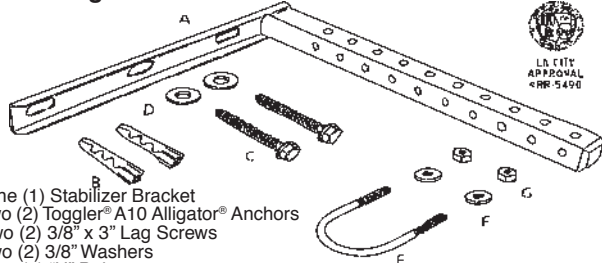
INSTALLATION ADDRESS: \_\_\_\_\_

INSTALLER \_\_\_\_\_

LIC.# \_\_\_\_\_

SERIAL #: \_\_\_\_\_

**Little Firefighter® GV-12 STABILIZER BRACKET**



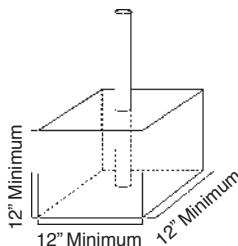
- A. One (1) Stabilizer Bracket
- B. Two (2) Toggler® A10 Alligator® Anchors
- C. Two (2) 3/8" x 3" Lag Screws
- D. Two (2) 3/8" Washers
- E. One (1) "U" Bolt
- F. Two (2) 1/4" Washers
- G. Two (2) 1/4" Hex Nuts



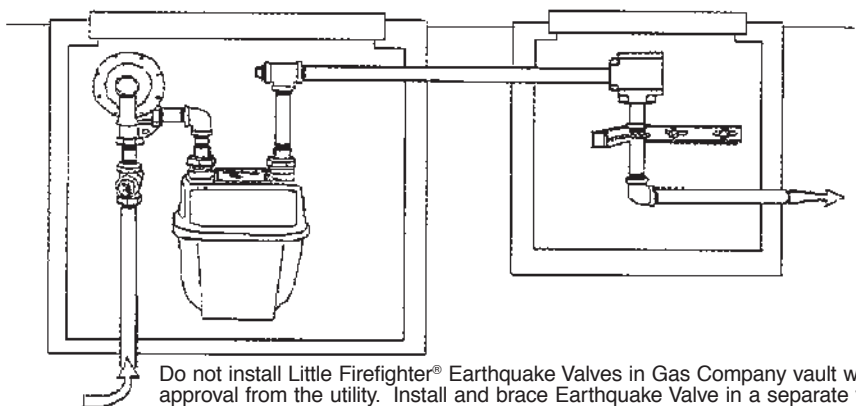
**TOGGLER® Brand Alligator® Solid State Chemical® Anchor**  
 PATENTED UNDER ONE OR MORE U.S. PATENT NUMBERS 4,294,156; 5,028,186; 5,161,296; AND FOREIGN COUNTERPARTS THEREOF. OTHER PATENTS PENDING.  
**TOGGLER AND ALLIGATOR ARE WORLDWIDE REGISTERED TRADEMARKS OF MECHANICAL PLASTICS CORP. ©1999 MPC**

**ISOLATED METER INSTALLATIONS**

Isolated meter installations (where meter is located away from the structure) require the construction of a special stabilizing pipe. Place a minimum 3" diameter pipe into a concrete footing measuring no less than 12"x12"x12". Then secure the Little Firefighter® GV-12 Stabilizer bracket to the 3" pipe and the shut-off valve to the GV-12. Shut-off valves must be accessible for reset.



**IN GROUND VAULT INSTALLATIONS**



Do not install Little Firefighter® Earthquake Valves in Gas Company vault without approval from the utility. Install and brace Earthquake Valve in a separate vault as shown. Make sure to leave clearance on one side of the valve to allow reset. Level Normally.



Little Firefighter Valves are proudly made in the USA by:

**Firefighter Gas Safety Products**  
 204 S. Center St Santa Ana, CA 92703  
 www.LittleFirefighter.com

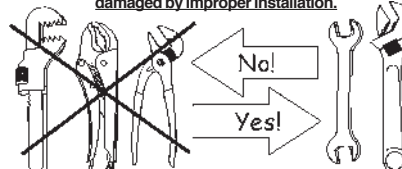


**Instructions for Little Firefighter® NAGV-Series Earthquake Actuated Automatic Gas Shut-Off Valves For 90 degree, In-Line Mounting.**

**20101003-NAGV**

**Important Warranty Information**

Do not hold valve with pipe wrenches, channel locks, vise grips or pliers. Damage or scarring of the valve body will result. Use only smooth surface wrenches like crescent wrench or an open ended wrench to install valve. **All warranty rights are null and void if the valve body is damaged by improper installation.**



**"For Little Firefighter's Limited Warranty and Remedies see enclosed page."**

**Warning:** The Manually Reset Earthquake Shut-off, NAGV Series, Valve, must be installed by a qualified installer in accordance with the manufacturer's installation instructions. Properly installed seismic gas shut-off valves will not be activated accidentally by equipment, vehicles or industrial vibrations. If improperly installed, failure to function as intended or unwarranted interruption of gas service could result. The NAGV Series Valve has been tested and approved in accordance with State of California Standard 12-23-1 and ASCE 25-06 Requirements.

**INSTALLATION CLEARANCES**

Screwdriver access shall be provided to the front of the valve. Allow enough clearance on the front of the valve to view status of the valve.

**INSTALLATION**

Qualified personal should install the valve. Some cities require submitting a plan to obtain a plumbing permit. Installation and maintenance must be done in compliance with the local building codes, or in absence of local codes, with the National Fuel Gas Code, ANSI ASC Z23/NFPA 54.

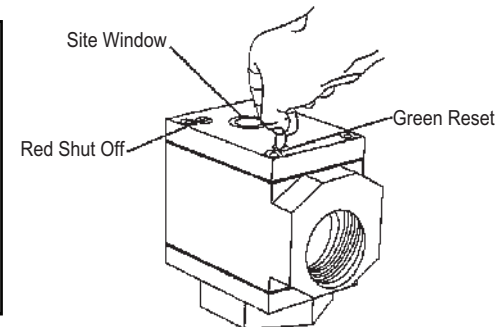
**After an Earthquake or Resetting the valve**

**AFTER AN EARTHQUAKE**

Wear shoes; expect broken glass. Check for safety of family members. Inspect for: Smell of gas in house. Overturned gas water heaters and appliances and damaged exhaust vents. If any of the above have occurred, or if gas was shut off automatically, shut off the main meter valve. Have a qualified person re-light gas after inspection.

**RESET INFORMATION FOR QUALIFIED PERSONS**

**BEFORE RESETTING: TURN OFF GAS FLOW AT INLET VALVE AND WAIT 5 MIN TO ALLOW GAS PRESSURE ON THE VALVE TO REDUCE. IF INSTALLED ON A HIGH PRESSURE LINE, BLEED OFF EXCESS PRESSURE BEFORE ATTEMPTING RESET. AFTER PRESSURE HAS BEEN REDUCED, TURN RESET SHAFT IN THE DIRECTION INDICATED. IF IT IS HARD TO TURN WAIT LONGER FOR THE PRESSURE TO REDUCE BEFORE RESETTING. FORCING THE RESET SHAFT COULD DAMAGE THE VALVE AND VOID YOUR WARRANTY.**



**APPROVED GASES**

Natural Gas or Propane.

**TEMPERATURE**

This device operates properly from -20°F to 150°F.

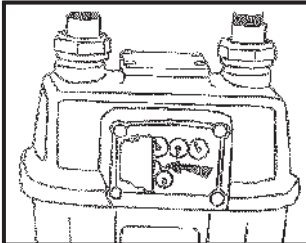
**NAGV Series Valve OPERATIONAL TEST**

Qualified personnel should perform a functional test every five (5) years as follows: Using a coin or screwdriver, turn the RED (Shut-Off) Shaft 1/8 of a turn (45°) in the direction indicated, closing the valve. To make sure that the valve closed, look in the sight glass: **Red = Closed**. Check that flow of gas has stopped. To reset valve: Close wrench-operated meter inlet valve. After waiting five minutes, reset the valve by turning the green (reset) shaft 1/8 turn (45°) in the direction indicated. The slot on the reset shaft should spring back to its original, vertical, position when the screwdriver is removed. Look for the ball in the sight glass: **Silver = Open**. Turn the wrench-operated meter inlet valve back on. Re-light pilot lights according to manufacturers instructions.

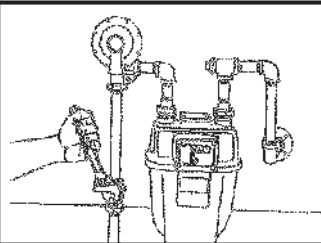
**FLOW CAPACITY AND PRESSURE DROP**

	Flow at 0.5" w. c. Pressure Drop (btu/hr)	Flow at 0.5" w. c. Pressure Drop (btu/hr)
NAGV-75	560,000	760,000
NAGV-100	645,000	948,000
NAGV-125	440,000	650,000

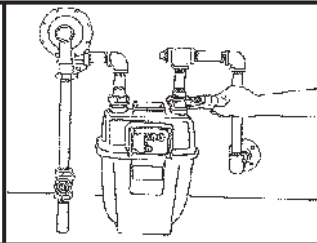
## NAGV-SERIES VALVE INSTALLATION INSTRUCTIONS FOR QUALIFIED INSTALLERS



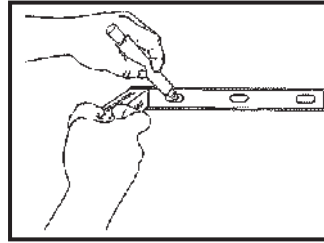
1. Before Starting, check to insure the meter is functioning properly by wetting a piece of paper and pasting it over the centerline of the hand of the 1/2-foot dial of the gas meter. Turn on a gas appliance and observe the motion of the hand after five (5) minutes. Notify the Gas Company if the meter is bypassed or defective.



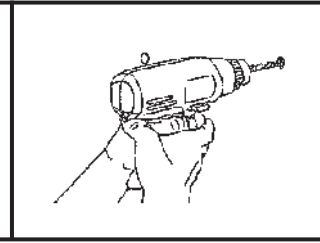
2. After notifying all occupants of affected structure that the gas will be shut off during the installation, shutoff all appliances and pilot light valves. Verify the gas in the house is off with the wet paper method from step #1, and then turn the wrench operated meter inlet valve off. Do not tamper with the meter, or the pipe leading to the meter.



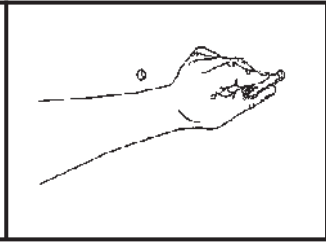
3. Remove the union from the house side of the meter with a pipe wrench and detach the union.



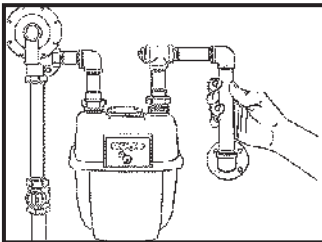
10. To achieve proper stabilization the valve must be secured rigidly to the building structure with a Stabilizer Bracket. Placement of the bracket should be between the gas meter and valve, and as close to the valve as possible.



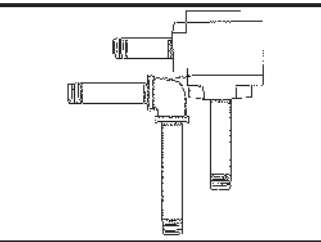
11. To use the 3/8" lag screws, drill two 1/4" holes into the wall where the Bracket will be mounted. The holes MUST be in a stud to use the lag screws alone. If studs are not available, use the included A10 Alligator anchors.



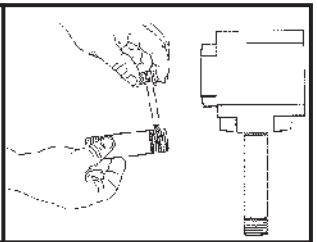
12. To use the ALLIGATOR anchors: Drill two 3/8" holes at least 3-1/2" deep into the wall. Insert the ALLIGATOR anchors into the holes. The anchors can be used in brick, thick stucco, cinder block, etc.



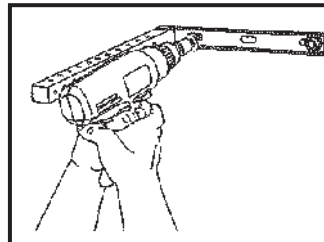
4. Remove the 90 degree elbow from the line leading downwards into the house.



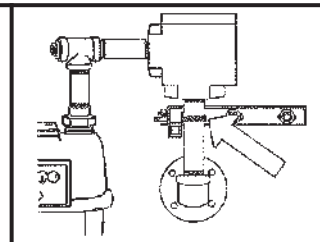
5. The valve will replace the removed 90 degree elbow.



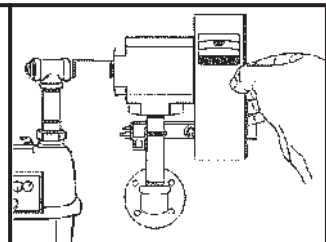
6. Neatly apply a good quality pipe joint compound to the nipples before permanently attaching to the Little Firefighter Gas Shut-Off Valve. **Do not use plumber's tape**, as pieces of the tape may break off and clog or damage the valve. **MAKE SURE THAT NO JOINT COMPOUND GETS INSIDE OF THE VALVE BODY.**



13. Position the Bracket over the holes or anchors. Screw in the 3/8" lag screws. A combination of lag screws and wall anchor can be used.

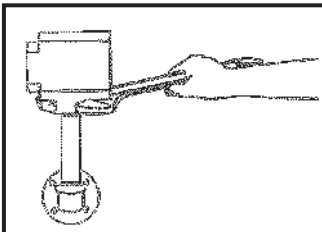


14. Install the "U" bolt around the pipe close to the valve. Place the washers between the nuts and bracket and at this point hand tighten the nuts on the "U" bolt.

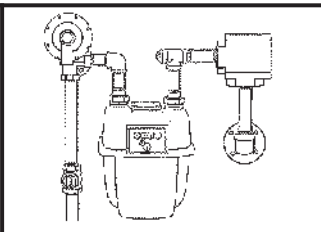


15. To level the valve: Place a level on the side or top of the valve. The Valve must be level to within two (2) degrees (1/2" to either side of plumb per 14" down). While positioning the valve level, tighten the GV-12 Stabilizer Bracket. Repeat the process until all sides are level within 2 degrees.

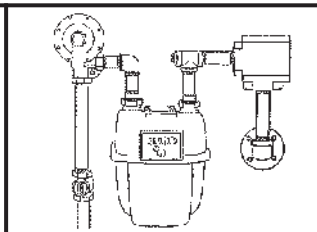
## ISOLATED METER INSTALLATIONS



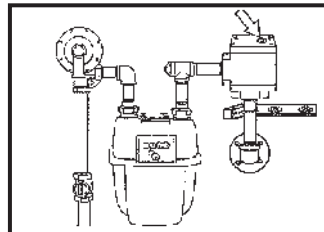
7. Install the Valve assembly into the position of the removed 90 degree elbow. **MAKE SURE TO INSTALL THE VALVE WITH THE GAS FLOWING IN THE SIDE OF THE VALVE AND EXITING THE BOTTOM OF THE VALVE.** After installation the arrow must point downward out the bottom of the valve. Use a crescent or open ended wrench. **DO NOT USE A PIPE WRENCH ON THE VALVE. THIS WILL RESULT IN DAMAGE THAT WILL VOID YOUR WARRANTY.**



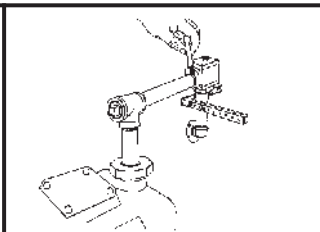
8. Reconnect the union to the meter. Tighten all fittings securely with the valve remaining level to the eye.



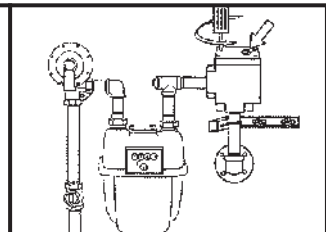
9. **PROPER STABILIZATION OF THE VALVE INSTALLATION IS ESSENTIAL TO AVOID NUISANCE TRIPPING. TO STOP EXCESSIVE VIBRATION AND TO COMPLY WITH CODES.** We recommend the valve is braced with Little Firefighter GV-12 Stabilizer Bracket. However, any adequate bracing system may be used.



16. After leveling check to make sure valve is closed by looking through sight glass window. If you see red, it is closed, if you can see the silver ball it is open. If Valve is open, shut by gently turning the red "shut off" shaft 1/8 of a turn, as indicated by the arrow. Use a flash light where needed.



17. Wet a piece of paper again and place it on the centerline of the 1/2 foot lb. Dial. Open the wrench operated meter inlet valve on the gas line. If the dial does not change within 5 minutes, your installation is air tight up to the valve. Check the valve and all fittings for leaks by brushing with soapy water and then watch for bubbles.



18. To reset (open) the valve, close the wrench operated meter inlet valve so that gas pressure on the valve can be reduced. Wait approximately 5 minutes. Slowly turn the "reset" shaft on the valve 1/8 turn in the direction indicated. Remove screwdriver from slot, the slot in the shaft will automatically rotate back to its original position. Look in the sight glass window. If you see the silver ball the valve is reset and in the open position.

19. Once again open the wrench operated meter inlet valve on the gas line. Check for gas leaks on the other side of the valve with soapy water and the wet paper method. Bleed air out of gas line and light pilot lights according to the manufacturer's instructions. Bleeding air from lines sometimes takes up to 15 minutes.