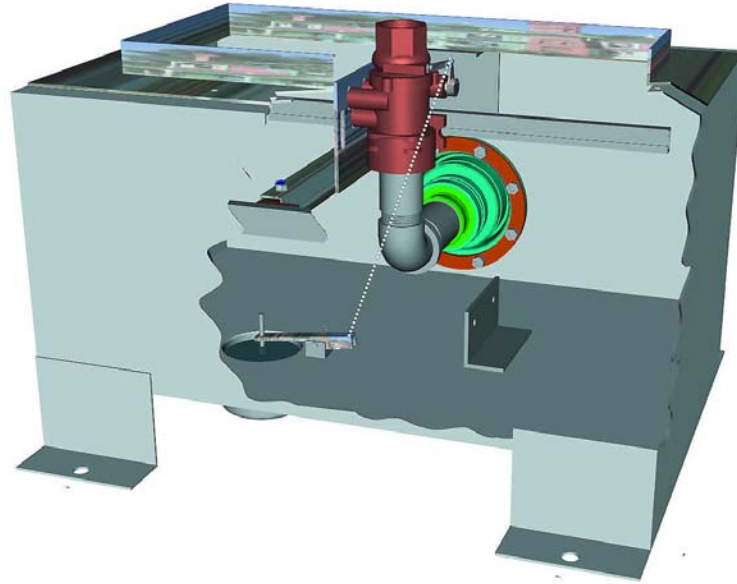


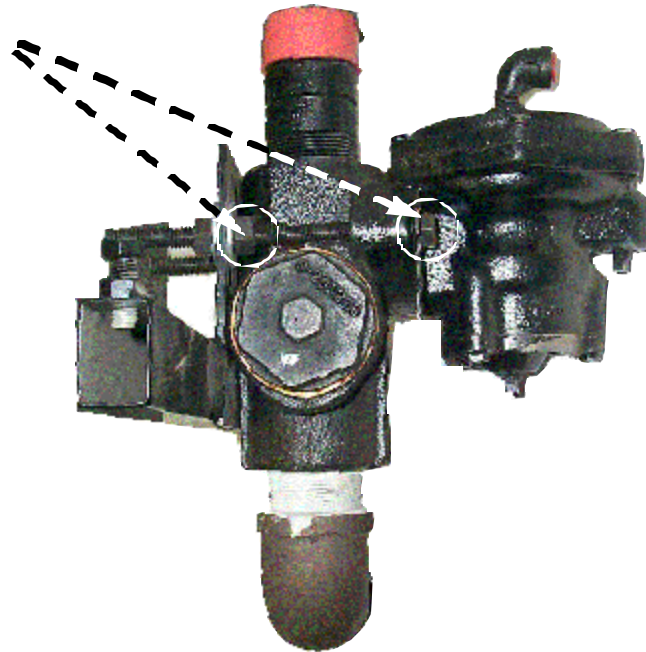
B-8600 INSTALLATION GUIDE AND MAINTENANCE INSTRUCTIONS



Optional: BRKT-TOK-52

TOKHEIM 52 VALVE
with Bracket Installed

GRADE 8, 7/16x5" with
TWO GRADE 8 NUTS
& WASHER



S. Bravo Systems, Inc.
2929 Vail Avenue. • Commerce, CA 90040
(323) 888-4133 • FAX: (323) 888-4123
E-mail: info@sbravo.com • www.sbravo.com



IMPORTANT!

READ THESE INSTRUCTIONS • KEEP FOR FUTURE REFERENCE!

TABLE OF CONTENTS

INSTALLATION INSTRUCTIONS	2, 3
MAINTENANCE INSTRUCTIONS	4
Bracket for Tokheim 52 Pneumatically Actuated Valve.....	5

NOTICE

- Adhere to all directions and warnings indicated on the product or contained in these instructions.
- The containment box should be installed only by a qualified contractor.
- Warranty is void if there is any evidence of modification, abuse, negligence or improper installation.
- For assistance please call Bravo for technical support at (800) 28-BRAVO. Outside the U.S.A. please call (323) 888-4133.

SAFETY FIRST! S. Bravo Systems, Inc. urges you to carefully adhere to the normal safety procedures and precautions followed by your company. Please follow the mandates and compliances decreed by local and federal regulations regarding the use of this product.

WARRANTY

All containment systems sold by S. Bravo Systems, Inc. are warranted to be free from defects in material and workmanship for a period of one year from date of purchase. This warranty will be limited to the repair and replacement of parts only and will exclude all claims for labor or consequential damage. No other express warranties given and no affirmation of S. Bravo Systems, Inc., or its agents and/or representatives, by words or action, will constitute a warranty. IT IS EXPRESSLY AGREED THAT THIS WARRANTY WILL BE IN LIEU OF ALL WARRANTIES OF FITNESS AND IN LIEU OF THE WARRANTY OF MERCHANTABILITY.

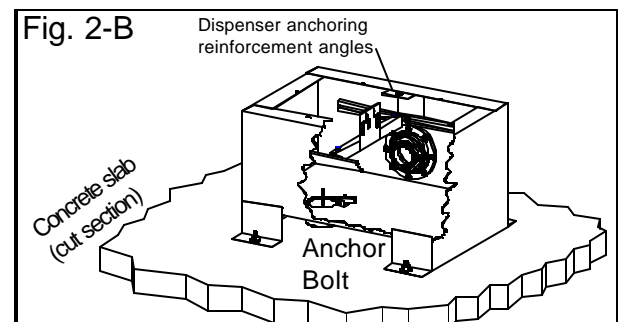
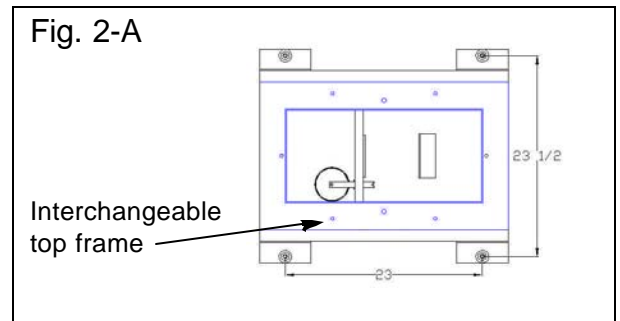
This warranty is void if there is any evidence of modification, abuse, negligence, or improper installation. If any fittings or components, other than S. Bravo Systems approved fittings or components, are used in conjunction with any S. Bravo Systems product, the warranty pertaining to these products is immediately void.

B-8600 AST Dispenser Containment Installation Instructions

Important: Check with dispenser's manufacturer for proper orientation of aboveground containment. **Bollards** should be used to keep traffic away from containment unit.

SUMP PREPARATION

1. Prepare the concrete slab by inserting $\frac{1}{2}$ " diameter anchor bolts into the concrete. The four anchor bolts should make a rectangle of $23 \frac{1}{2}$ " x 23" (Fig. 2-A).
2. Remove the interchangeable top frame from the main body of the B-8600 to increase workspace for plumbing. Keep the hardware, it is required to reattach the top frame.
3. Anchor the B-8600 Containment Box to the concrete slab (Fig. 2-B).



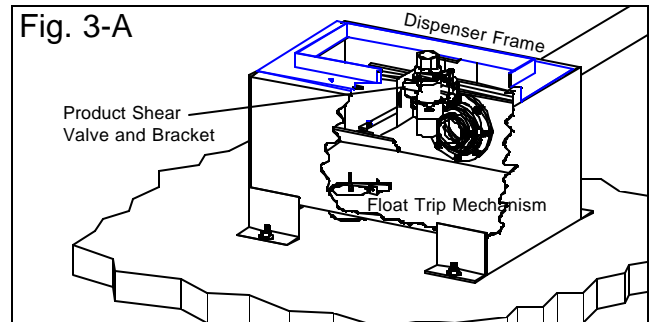
B-8000 AS1 Dispenser Containment

Installation Instructions

4. Attach the product shear valve to the bracket, make sure that it properly aligns with the rest of the plumbing and product piping (Fig. 3-A).

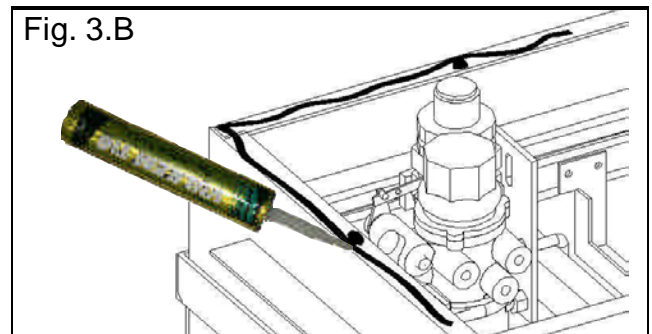
PRIMARY AND SECONDARY PIPING

5. Insert the appropriate pipe size into the B34, B33 or B32 UniFittings from outside of the containment box. Other configurations of pipe may utilize reducers and doughnuts. Please refer to the installation instructions on special pipe reducers from your pipe manufacturer. After the pipe has been positioned, install the stainless steel hose clamps around the B-34 boot tightening up to 30 in-lbs torque. Make sure that the B-34 UniFitting hose clamps are properly tightened for primary and secondary if applicable.



ELECTRICAL AND VAPOR PENETRATIONS

6. Connect all the electrical and vapor lines to the dispenser as required by local code regulations. Always follow electrical and vapor manufacturer's installation instructions. For electrical connections, two methods are recommended: Electrical Bulkhead Seal (EBS) or the Flexible Electrical Penetration UniFitting (B-17). For vapor connections, the B-27-SET is the recommended method. The methods used should comply with local code requirements.



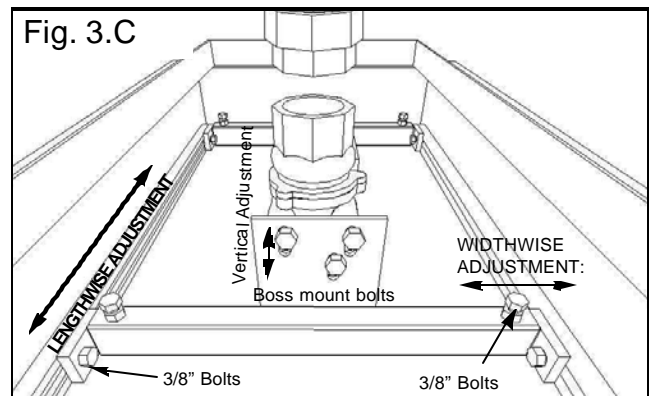
TOP FRAME INSTALLATION

7. Apply two beads of the provided sealant to the top of the main body of the B-8600. Reattach the interchangeable top frame back into its original position (Fig. 3-B).

ADJUSTING THE PRODUCT SHEAR VALVE

8. When the dispenser is anchored properly, the dispenser inlet or pump inlet should be plumb with the product shear valve.

9. If the valve and inlet are not aligned, determine the distance necessary for the valve to be moved. To adjust the valve lengthwise and/or widthwise, loosen the 3/8" bolts on the bracket ends and on the bracket inserts. Align valve to dispenser inlet and retighten bolts (Fig. 3-C).



10. If the product shear valves are positioned correctly, connect them with a union. A nipple may be required to extend the dispenser riser. **IMPORTANT:** For rigid piping apply a UL classified pipe sealant for use and handling of gasoline and petroleum oils to externally threaded connections.

IMPORTANT: Test the float system with the valve in the open position by gently raising the float tubing up approximately 1/4" to 1/2". This should shut the shear valve. Adjust the chain tension until there is no more slack. See Adjusting the Float Mechanism (page 4).

11. Retighten the bolts on the boss-mount bracket or the nuts on U-bolt mounting bracket. **NOTE:** Use provided washers.

13. Water leak test **ONLY FIELD-INSTALLED** penetration fittings. To leak-test field penetrations, fill the box with water two inches above penetrations. After a few minutes, make a visual inspection from underneath the box. If there are no leaks, drain the float reservoir through the float tubing by using the Bravo siphon pump.

12. Clear all debris (pea gravel, dirt, etc.) from the inside of the containment box and float reservoir(s). If applicable, remove float foam cover. Check if the float chain tension is properly adjusted and connected to the shear valve and float arm. The amount of fluid or float travel to trigger shut off mechanism is dependent upon the chain tension.

14. Reset the shear valve trip mechanism to the open position.

FLOAT TRIP SYSTEM MAINTENANCE INSTRUCTIONS

For Models B8600 AST Dispenser Containment

⚠CAUTION

• If the containment box is not performing normally when the operating instructions are followed, contact qualified service personnel or Bravo's customer service at (800) 282-7286. Outside U.S.A., call (323) 888-4133. Do not attempt to service or repair the containment box yourself.

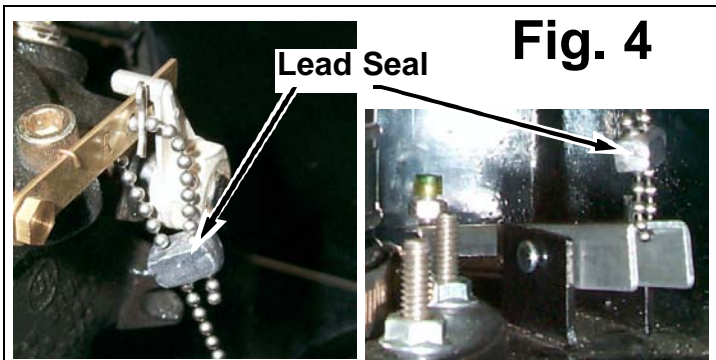
• Prior to any maintenance, verify that the containment box interior is clean and free of debris and obstructions, especially in the float reservoir(s) area.

• Make sure that the containment box is not submersed in fuel, water or any other fluids.

• Do not tamper with or modify the float device or the shut-off system. This includes the lead seals and float chain. Any tampering with these components transfers the liability for the shut-off system function to the person or persons who tamper with the above components.

• The interior of the containment box must not be directly exposed to rock, salt, ice or snow.

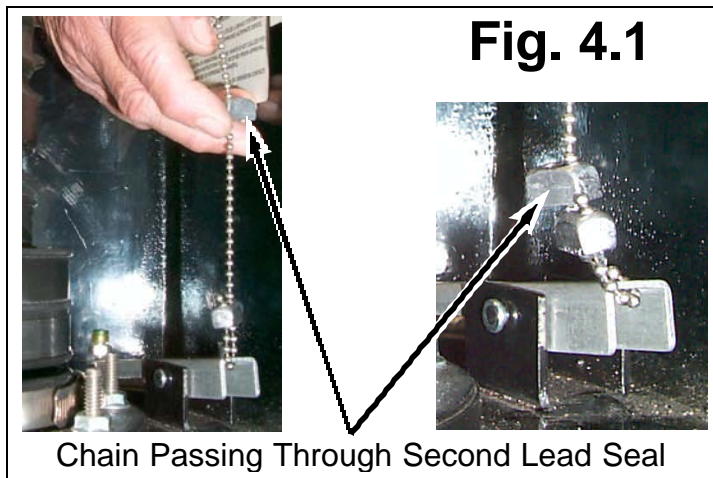
ROUTINE FILTER CHANGES



⚠CAUTION prior to filter changes, follow dispenser manufacturer's instructions.

1. Check the float chain tension for proper adjustment. Make sure it is connected to the shear valve and the float arm.
2. Next test the float system by gently raising the float tubing approximately 1/4" to 1/2" with the valve in the open position. This action should close the shear valve. If it does not, refer to Adjusting the Float Mechanism section.
3. Examine the lead seals on the float chain at the float arm pivot and at the product shear valve (**Fig. 4**). If the seals were not altered, continue with the next step. If the seals were altered, refer to "Adjusting the Float Mechanism."
4. While removing the filter, collect as much fuel as possible from the filter before it enters the containment box. Use the manufacturer's supplied cup/collector to minimize fuel loss.
5. Next remove all fluids from the containment box. Bravo's manual siphon pump is designed to connect to the top of the float tubing for easy fluid removal. **DO NOT** leave absorbent materials in the containment box to soak up fluids.
6. Properly dispose of removed fluids according to local, state and federal regulatory guidelines.

ADJUSTING FLOAT MECHANISM

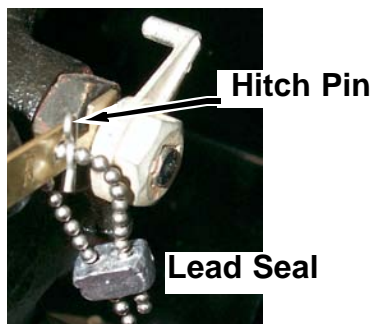


7. Using hitch pin secure chain tension with the shear valve in **OPEN** position, no slack in chain (**Fig. 4.1, 4.2**).
8. If a fluid test was performed, drain the float reservoir through the float tubing by using the Bravo siphon pump.
9. Properly dispose of removed fluids according to regulatory guidelines.
10. Lift the tubing 1/8 to 1/4" till the float trip closes the valve. If the float trips the valve correctly, proceed to Step 6, Setting Float. Adjust float chain tension by raising of lowering nut on float tubing.
11. Raising the nut increases tension and lowering nut loosens tension of float chain. (**Fig. 4.4**)

SETTING FLOAT MECHANISM

12. (Dispenser riser must be connected to shear valve before setting) Slide up the double seal and feed the free end of ball chain, 3/4" below brass arm (**Fig. 4.1, 7.2**). Then crimp lead seal to set chain, remove hitch pin and reset the valve to **OPEN** Position. (**Fig. 4.3**)

Fig. 4.2



CLOSED POSITION

Fig. 4.3



OPEN POSITION



Fig. 4.4