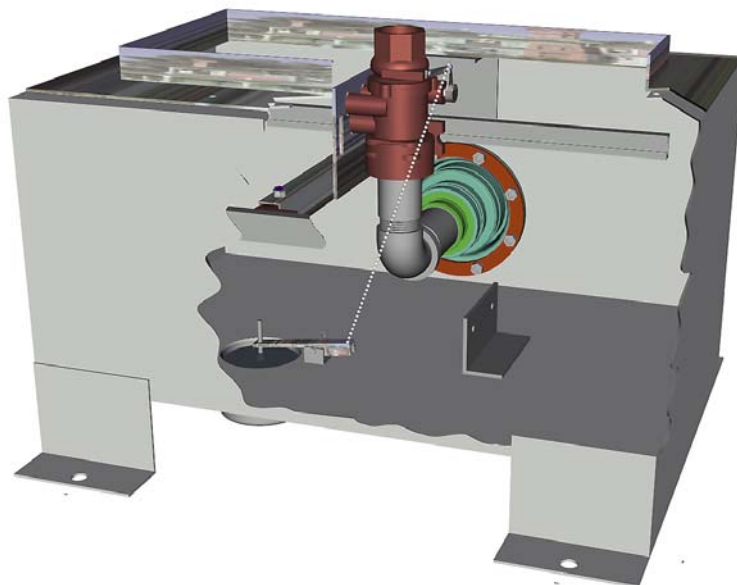


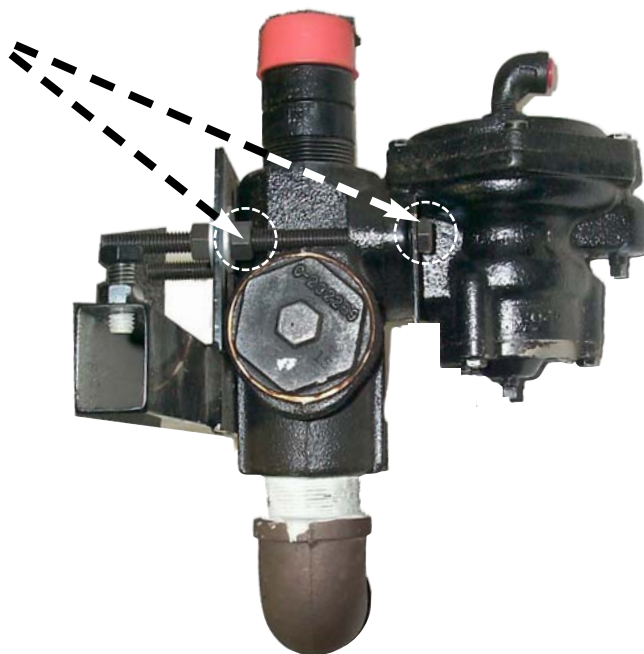
B-8600 INSTALLATION AND MAINTENANCE INSTRUCTION



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



MANDATORY

The B8600 Above Ground UDC Sumps from S. Bravo Systems, Inc. MUST be installed by a **Bravo Certified Installer**. Get Certified at www.sbravo.com/cert

IMPORTANT

READ THESE INSTRUCTIONS • KEEP FOR FUTURE REFERENCE

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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 OSHA, local, State 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 Bravo 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.

MANDATORY

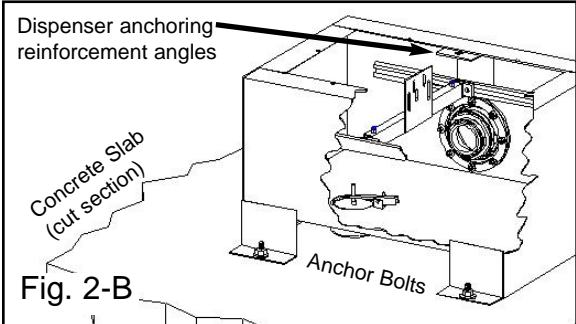
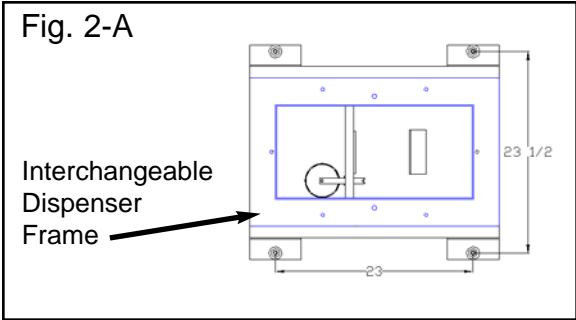
BOLLARDS ARE REQUIRED TO PROTECT BOTH THE B-8600

1) SUMP PREPARATION

Prepare the concrete slab by inserting 1/2" diameter anchor bolts into the concrete aligned with the mounting holes of the support feet. (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. Do not lose any removed components or damage the top frame.

3) Anchor the B-8600 Containment Sump to the concrete slab (Fig. 2-B).



B-8600 AST 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 sump. 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

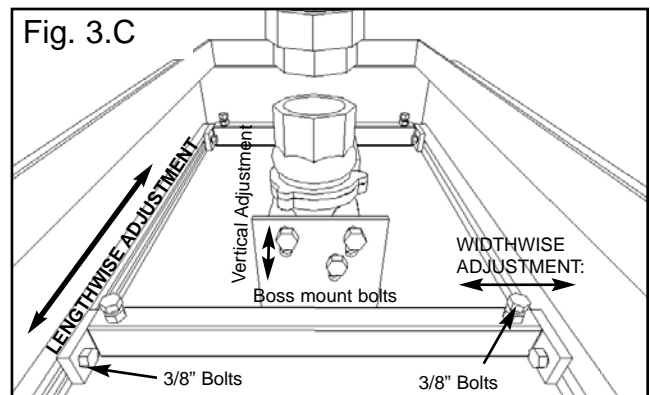
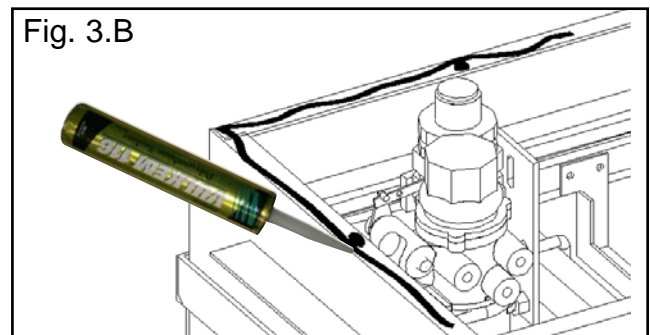
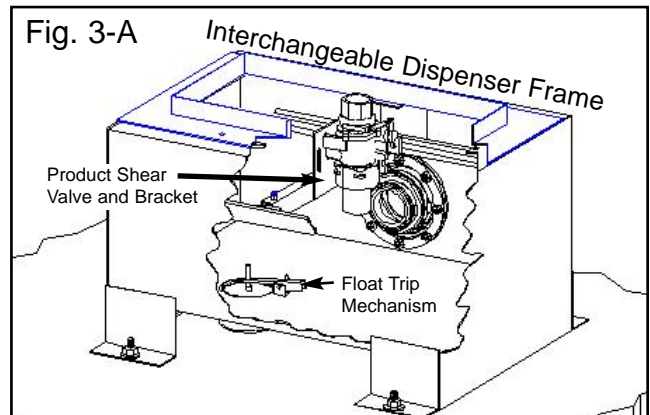
8. When the dispenser is anchored properly, the dispenser inlet or pump inlet should be plumb with the product shear valve.

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.

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

12. Clear all debris (pea gravel, dirt, etc.) from the inside of the containment sump 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. See Adjusting the Float Mechanism (**page 4**).



13. FLOAT TRIP TESTING: To test the float system, begin by securing the crash/shear valve in the open position. Ensure the float chain has proper tension and no debris exists within the float cup. Test the float trip actuation by slowly adding water to the float cup until the shear valve trips.

Pulling the float, float stem, float arm or ball chain does not accurately simulate a liquid accumulation scenario and should not be used to test float trip functionality.

14. WATER LAKE TESTING FITTINGS: To lake-test field penetrations (entry fittings), fill the sump with water two inches above penetrations. After a few minutes, make a visual inspection.

15. Remove water from the sump by way of the hollow float cup stem and a manual siphon pump.

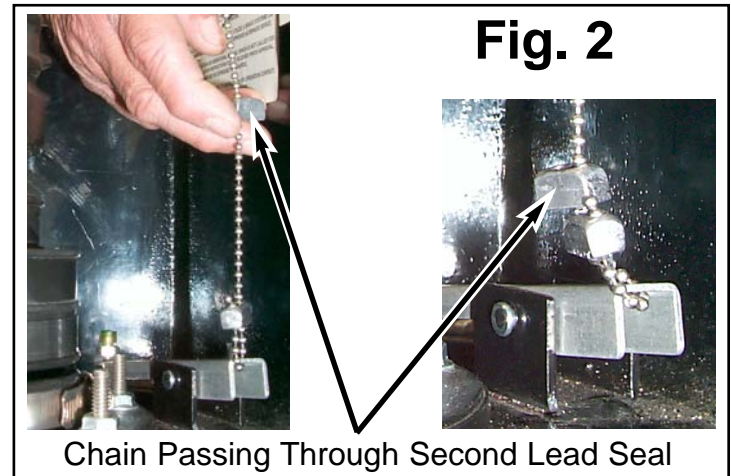
FLOAT TRIP SYSTEM MAINTENANCE INSTRUCTIONS

For Models B8600 AST Dispenser Containment

⚠ CAUTION

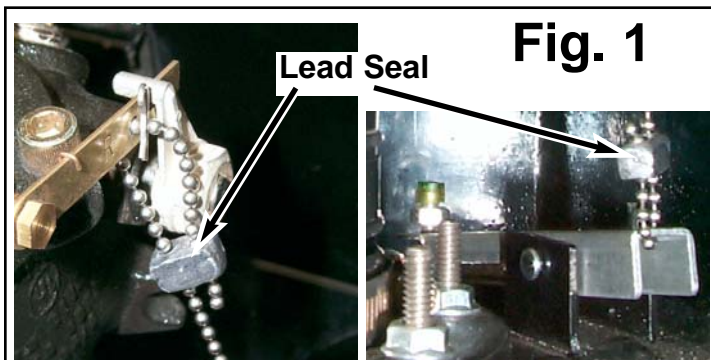
- If the containment sump is not performing normally when the operating instructions are followed, contact Bravo's customer service at (323) 888-4133.
- Prior to any maintenance, verify that the containment sump interior is clean and free of debris and obstructions, especially in the float reservoir area(s).
- Make sure that the containment sump is not submerged in fuel, water or any other fluids.
- Do not tamper with or modify the float device or the shut-off system.
- The interior of the containment sump must not be directly exposed to rock, salt, ice or snow.

ADJUSTING FLOAT MECHANISM



1. Using hitch pin, secure chain tension with the shear valve in **OPEN** position with no slack in chain (**Fig. 2, 3**).
2. Raising the nut increases tension and lowering nut loosens tension of float chain. (**Fig. 5**)
3. (**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. 3, 4**). Then crimp lead seal to set chain, remove hitch pin and reset the valve to **OPEN** Position. (**Fig. 4**)

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 adding a few ounces of water to the float reservoir area with the valve in the open position to test the float function. This action should close the shear valve.
3. Examine the lead seals on the float chain at the float arm pivot and at the product shear valve (**Fig. 1**). If the seals were not altered, continue with the next step.
4. While removing the filter, collect as much fuel as possible from the filter before it falls. Use the manufacturer's supplied collector to minimize fuel loss.
5. Next remove all fluids from the containment sump. A manual siphon pump can be used to connect to the top of the float tubing (threaded component) for easy fluid removal. **DO NOT** leave absorbent materials in the containment sump to soak up fluids.
6. Properly dispose of removed fluids as HAZMAT according to local, state and federal regulatory guidelines. Even if the sump appeared clean and only water was added.

SETTING FLOAT MECHANISM

