

B-2000 FLOAT CUP RETROFIT INSTALLATION INSTRUCTIONS

BRAVO FIBERGLASS RETROFIT FOR B-2000 SERIES FLOAT CUP ONLY



IMPORTANT

The FLOAT-CUP-RETROFIT-KIT for the B-2000 Series Steel Shallow Under Dispenser Containment Sump from S. Bravo Systems, Inc. does not need to be installed by a **Bravo Certified Installer**. However, we highly recommend that the installer is familiar with the patented Float Trip Mechanism. If the installer is not familiar with this concept he can get Certified by completing the **National Test** at: www.sbravo.com/cert

MANDATORY

Ensure that the workspace is operating below the LEL (lower explosive limit). Test regularly or monitor continuously.

NOTICE

This Retrofit Kit is an authorized repair for the float cup area of a B-2000 Series UDC only. This product does not provide, imply or extend any warranty for the B-2000 Series UDC. When possible, a compromised containment sump should be replaced with a new containment sump under warranty.

If you have any problems with Bravo Systems components or accessories,
Contact Bravo Systems Immediately:

1-800-28-BRAVO

1-323-888-4133

support@sbravo.com

ii-FLOAT-CUP-RETROFIT-KIT-11A

S. Bravo Systems, Inc. - The Leader in Secondary Containment

2929 Vail Ave. | Commerce, CA | 323-888-4133 | FAX: 323-888-4123 | www.sbravo.com



F-Series Retrofit-S COMPONENTS

Included Parts (Per fitting)

- A) 1x Fiberglass Float Cup Insert
- B) Bravo **ADHESIVE-RETROFIT-EPOXY-KIT**:
 - 1x Bravo Epoxy Adhesive Can 6oz
 - 1x Bravo Epoxy Catalyst bottle 1oz
 - 2x Pair of Industrial Nitrile gloves (Large)
 - 1x Stir stick
 - 1x 1" chip brush
- C) 2x Industrial grade shop towels
- D) 1x 60/80 half-sheet sandpaper
- E) 1x 320 grit half-sheet sandpaper



REQUIRED TOOLS

(NOT PROVIDED)

Air Tools - Respiratory protection - Eye protection

⚠ CRITICAL

DO NOT SUBSTITUTE ADHESIVES, MIX THEM OR ADD LIQUIDS SUCH AS WATER OR ANOTHER RESIN. DO NOT USE ANOTHER CATALYST OTHER THAN WHAT IS PROVIDED.

VENTILATE YOUR AREA
WEAR SAFETY PROTECTION



NO

> ELECTRIC TOOLS
> IGNITION SOURCES



MANDATORY

Ensure that the workspace is operating below the LEL (lower explosive limit) before starting work. Test regularly or monitor continuously

READ THIS ENTIRE MANUAL FRONT TO BACK BEFORE BEGINNING ANY PART OF THIS INSTALLATION

- 1) Remove all liquids, debris and contaminants from the interior of the B-2000 UDC.
- 2) Remove the float and float arm assembly so it is clear of the float cup area.
- 3) Abrade and clean up the float cup area. Remove mineral buildup, dirt and any other debris. If rust is present, be cautious to not cut yourself, or bend any metal inwards. Use a wire bristle brush to rough up and smooth out rusty areas if present.
- 4) Do not bend any thin areas of metal outwards. Try to maintain the original shape of the float cup despite its condition.
- 5) Clean the top edge of the float cup where it intersects the bottom floor of the B-2000 UDC.
- 6) Keep the float cup area dry. If water is present under the cup, or it is flowing up into the containment sump, inject a water barrier polyurethane foam or filler in order to stop the flow of liquid.
- 7) When the float cup area is dry, use masking tape to block any holes to the exterior of the sump.
- 8) Ensure the float cup and interior of the sump is completely clean and absolutely dry prior to adhesive application.
- 9) Ensure that the exterior of the fiberglass float cup insert is clean of fingerprints, debris and contaminants. Clean with acetone to be certain and maintain a clean and dry state.

10) MIXING YOUR ADHESIVE

Your adhesive should be stored in a cool place until ready to be mixed. You should warm your adhesive and fiberglass fitting components if the ambient temperature is below 70°F.

DO NOT MIX MORE THAN ONE CAN AT A TIME
DO NOT ATTEMPT TO MIX HALF A CAN
ONLY USE 1 BOTTLE OF CATALYST PER ADHESIVE CAN

⚠ CRITICAL

USE ONLY BRAVO SYSTEMS ADHESIVE WHEN INSTALLING THIS FIBERGLASS INSERT TO A B-2000 SERIES UDC
DO NOT SUBSTITUTE ADHESIVES, MIX THEM OR ADD LIQUIDS SUCH AS WATER OR ANOTHER RESIN. DO NOT USE ANOTHER CATALYST OTHER THAN WHAT IS PROVIDED.

⚠ CRITICAL

ADHESIVE HAS AN ACTIVE COLORANT

ADD CATALYST TO ADHESIVE AND MIX THOROUGHLY UNTIL THE COLOR IS EVEN AND CONSISTENT WITH NO SWIRLS



11) Apply the mixed adhesive generously to the bottom and outside of the fiberglass float cup insert, applying a heavy amount around the lower half (**FIG. 11**). Use chip brush to wet out the interior of the existing float cup area. **WARNING: DO NOT ALLOW ADHESIVE TO SPILL INTO THE FIBERGLASS FLOAT CUP INSERT! CLEAN IMMEDIATELY IF THIS OCCURS.**

12) With heavy adhesive applied on the insert, holding the float cup with your fingers from the inside of the insert, slowly lower it into the existing float cup. If enough adhesive was applied, some should ooze from the top edge. Rotate the insert as best as you can until the top edge of the insert is flush with the bottom floor of the B-2000 UDC. If you feel that not enough adhesive was applied, remove the cup, scrape it clean and re-apply more adhesive, then repeat step 12 until you are satisfied.

13) Using the chip brush, apply some adhesive to the seam between the insert and the bottom floor of the B-2000 UDC where they intersect.

14) Allow a full cure of 8 hours at or above 70°F. Do not allow the adhesive to come in contact with water or moisture.

15) When fully cured, assemble, install and adjust your Bravo Float Trip mechanism inside the B-2000 UDC so it can be tested.

WATER TESTING

16) Test the function of the float trip by setting up the crash/shear valve and adding a few ounces of water to the interior of the sump until the float trip mechanism actuates and trips the crash/shear valve. If the float cup does not raise smoothly inspect the cup insert and it's top edge where it intersects the bottom of the pan. You may need to hand sand this area, but use only the provided 320 grit sandpaper, not the 60/80 grit.

NOT THE ONLY ONE

INSPECT ALL FLOAT CUPS IN B-2000 UDC's. If one float cup is corroded, others may also be corroded or close to a breach. Suspect all float cups on a site where one corrodes through. We recommend if possible that this FLOAT-CUP-RETROFIT-KIT be installed on each float cup.

Additional Corrosion:

If signs of additional corrosion are present, Bravo Systems recommends the following procedure:

- A) Use any solvent or cleaning solution you prefer.
- B) Scrape the bottom and/or walls with a flat-blade tool.
- C) Vacuum out any liquids, gunk, etc..
- D) Acetone to clean the surfaces so a visual inspection can be made.
- E) Lightly sand all areas where the factory epoxy-paint is missing.
- F) Dust, blow out and/or vacuum any debris from the interior.
- G) Protect any exposed test ports or threads, remove any electronic sensors.
- H) Coat the interior well with AmerShield, covering all exposed steel.

This information, and additional information on AmerShield and proper surface preparation techniques can be found at links provided on our FAQ page, www.sbravo.com/faq