

# SU-MLA

## Retrofit Instructions

## Installation Instructions

### Magnetic Tank Sump Lid Kit for Fiberglass and Poly Sump Risers



Diversified Products  
Manufacturing Inc.



Weaver Products

**Prepare all Surfaces:** All surfaces to be bonded should be prepared prior to completing the installation steps below.

**Warning:** Failure to follow each step will void the warranty and may result in premature failure of the penetration fitting. Adhere to the following general instructions for each step of the installation.

**Bonding to Poly & FRP surfaces:** Clean and sand (rough up) sump surfaces with CH-DBC II. Remove all gel coat on all fiberglass surfaces. Apply CH-DEB to all surfaces to be bonded both the fitting and sump wall.

**Cleaning:** Spray all surfaces to be bonded with CH-DBC II Cleaner and allow to air dry. excess cleaner may be wiped off with a clean dry cloth.

Please inspect parts for potential damage that could occur during shipping. Prior to installation, confirm that the integrity of the magnetic attractor has not been compromised by utilizing the installation tool as outlined in the final step of these instructions. This may require cleaning the installation tool before final installation. Use only a clean dry cloth to clean the plexiglass. Avoid all chemical cleaners. ***This product has been manufactured to match the dimensions provided by the customer. If the attractor does not fit the sump riser, contact the factory immediately.***

### Step 1

**Prepare surfaces to be bonded:** Remove all gel coat and foreign material. Dry fit attractor ring. Grind or sand any interfering surfaces on the sump. Do not modify the adaptor ring or magnetic lid. Clean with CH-DBC II. Air dry or wipe dry with a clean cloth.



### Step 2

**Prepare Epoxy:** Mix DEB epoxy thoroughly, ensuring color uniformity throughout. Let stand until tacky and will not run. This kit requires 20 oz of the epoxy bonder. Mixing may be done in the can provided or on any clean surface. If mixed anywhere other than the provided cans, clean with CH-DBC II spray before mixing.



### Step 3

**Apply Epoxy:** Using spatula, evenly apply epoxy to adaptor ring. Smooth epoxy as shown.



### Step 4

**Install the Attractor:** Seat the adaptor ring to the sump, applying gentle, even pressure forcing excess epoxy out of seams, leaving a 'welt' at the joint. Do not apply excessive force. If resistance is encountered, remove epoxy and start over, dry fitting the adaptor ring to the sump riser, then proceed as instructed.



### Step 5

**Attractor Design:** This attractor assembly is designed to have the bottom tang seat inside the existing sump riser. The attractor has a flange that should extend to the outside diameter of the sump.



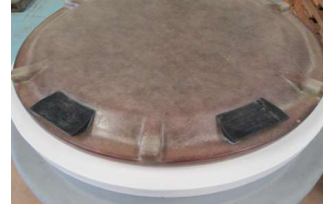
### Step 6

**Clean up epoxy:** If epoxy runs as shown, clean up mess. Next installation, allow epoxy to cure to the point that it will not run. Smooth epoxy to remove any sharp edges prior to a total cure of the epoxy.



### Step 7

**Install Magnetic Lid:** Lay magnetic lid in place to hold surface of magnetic attractor planular. This should occur within 30 minutes of completing the attachment of the magnetic attractor to the sump riser. This will help maintain the planularity of the magnetic attractor. After 24 hours, remove the magnetic lid using handles.



### Step 8

**Prepare to Test Installation:** Unpack test plate carefully. Keep packing. When finished with the installation, repack the test plate for storage or return to DPMI.

*Damaged test fixtures will not be given a credit when returned.*



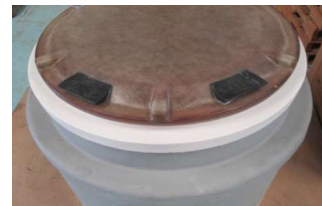
### Step 9

**Test for planarity:** When product has cured completely, remove magnetic lid and apply light oil evenly to the flat surface of magnetic attractor. Install test plate and note whether or not there is an even reveal of oil through the test plate.



### Step 10

**Finish Installation:** If planular, the oil will evenly disperse completely around the test ring on the surface of the magnetic attractor. If planular, clean off oil, mount the magnetic lid in place and the installation is complete. Remove magnetic lid when needed by pulling up on the handles.



### Step 11

**Maintenance:** Whenever removing the magnetic lid be sure to clean the magnetic attractor and the seal in the magnetic lid prior to replacing the lid. Should the seal become damaged, contact the factory for a net exchange for the lid. Exchange policies at the time of repair will apply.

#### Tools Needed

Cleaning and sanding materials.  
Tools necessary to remove the existing lid.

#### Products Needed

SU MLA for specific application. Kit includes  
CH-DEB Epoxy 20 ounces  
CH-DBC II Cleaner one can