

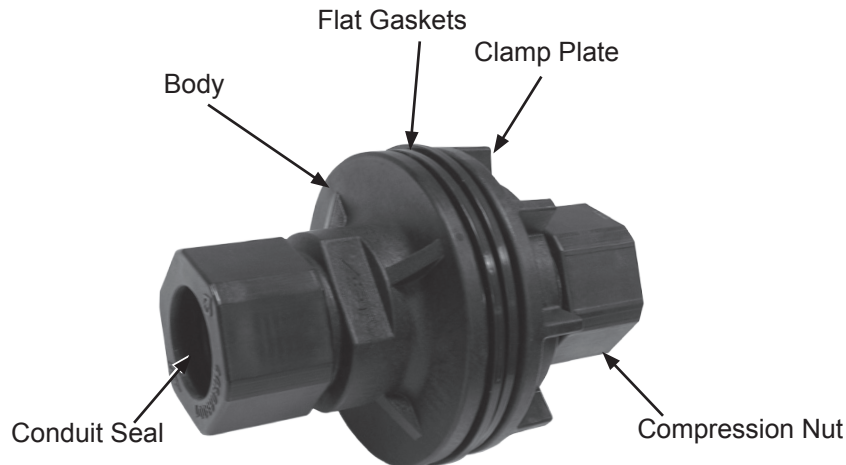


**Franklin Fueling Systems**

# Conduit Rigid Entry Boots

*REB-C-0075, REB-C-R-0075, REB-C-0100 & REB-C-R-0100*

## Installation Instructions



### Warning



Follow all federal, state and local laws governing the installation, testing and inspection of this product and its associated systems. When no other regulations apply, follow NFPA codes 30, 30A and 70 from the National Fire Protection Association. Failure to follow these codes could result in severe injury, death, serious property damage, environmental contamination and/or system degradation.

### Caution



The part described in this document is one element of a system. All components of this system should be installed according to the manufacturer's specifications so that the system's integrity is not compromised. Test the complete system after installation according to all pertinent local, state and federal laws to ensure its proper operation. Failure to properly verify operation could lead to environmental contamination.

**Note:** Do not install pipe entries into the bottom of any FFS sump.

# 1. Installation in Poly Sumps

**Note:** See page 3 for round sump installation

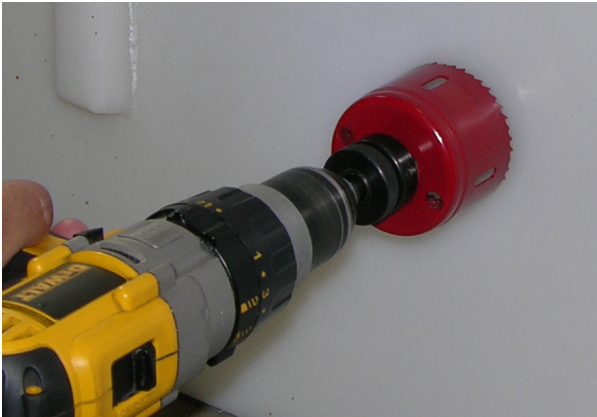
1. Mark hole location for the piping entrance.

**Note:** Mark the hole so the bottom edge of the fitting is at least 2" from the bottom of the sump.



**Figure 1: Mark Location**

2. Drill a 2 3/4" hole where the sump is marked.



**Figure 2: Drill 2 3/4" Hole**

3. Remove Clamp Plate. Sump Exterior



**Figure 3: Insert Fitting**

4. Place fitting and flat gasket in opening from the outside.

**Note:** Tapered gasket and Adapter Ring are used only with round sumps, and supplied with REB-C-R-0075 and REB-C-R-0100 fittings only.

5. Install the second gasket on the inside.



**Figure 4: Install Inside Gasket**

6. Screw on the Clamp Plate on the fitting from the inside of the sump.



**Figure 5: Install Clamp Plate**

7. Tighten the Clamp Plate hand-tight Use a spanner wrench to turn the Clamp Plate an additional 1/4 turn.



**Figure 6: Tighten Clamp Plate**

**Note:** Do NOT over-tighten the fitting.

Use a spanner wrench or chain wrench. Do NOT use pipe-wrenches or adjustable/slip joint pliers.

8. Insert the conduit piping into the fitting.



**Figure 7: Insert Conduit and Tighten Compression Nut**

9. Tighten the Compression Nut on the inside of the sump using a parallel jaw wrench.



**Figure 8: Tighten Outside Compression Nut**

Because of the uneven surface of a FRP sump, a higher torque may be needed to seal the entry boot properly. We recommend an additional  $\frac{1}{4}$  turn on the nut. If a leak occurs during the hydrostatic test, add an additional torque of  $\frac{1}{4}$  turn at a time on the fitting.

## 2. Installing the Fitting in a Round Fiberglass Sump

The REB-C-R-0075 and REB-C-R-0100 fitting can be installed on round sumps with a diameter of 42" (1066.8 cm) or greater. The process is the same as shown earlier with one important difference: this assembly requires (1) double-tapered gasket and (1) adapter ring instead of the one seal used for flat surfaces.

**Note:** Mark the hole so the bottom edge of the fitting is at least 2" from the bottom of the sump.

1. After the hole is drilled in the fiberglass sump, use 80 grit sandpaper to roughen the inside surface for 2" around the opening.



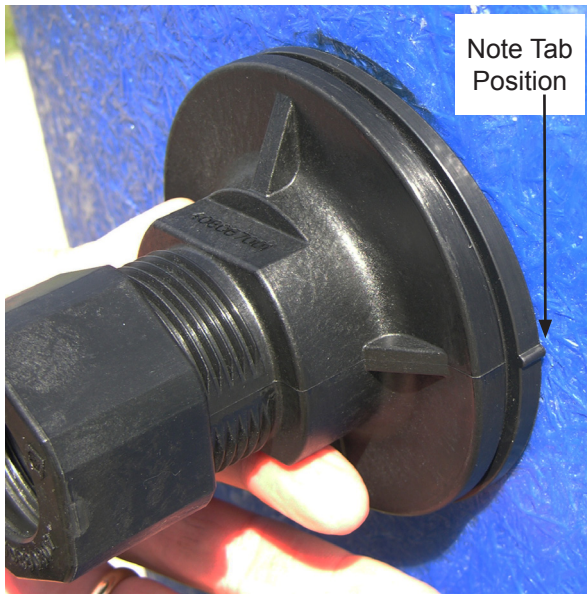
**Figure 9: Sand Around Hole Interior**



**Figure 10: Sand Around Hole Exterior**

2. Clean the sanded area with acetone.

3. From the outside, install the double-tapered gasket between the fitting and the sump. Position the gasket such that the tab and the wide thickness is to the sides.



**Figure 11: Gasket Orientation Outside of Sump**

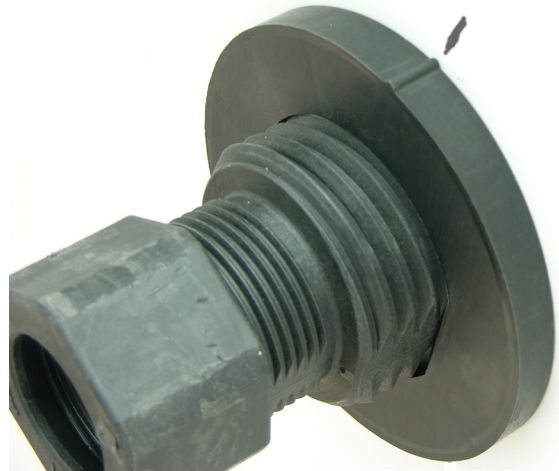
4. From the inside of the sump, install the Adapter Ring on the fitting. Position this ring such that the sump note faces the sump wall.



**Figure 12: Adapter Ring**

5. Make sure the tab on the Adapter Ring is on top (Figure 13).

Sump Interior



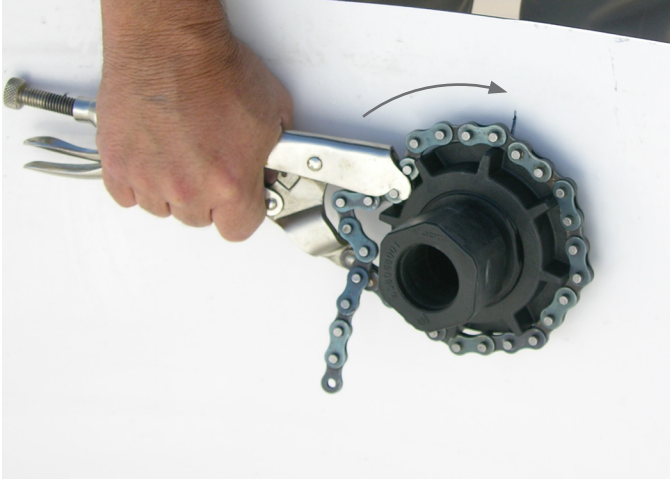
**Figure 13: Adapter Ring installed on Inside of Sump**

5. Hand-tighten the locking ring. Mark the fitting / sump with 2 marks 90° apart.



**Figure 14: 90° Marks on Sump Interior**

6. Use a spanner wrench or chain wrench to tighten the locking ring 90° from the hand-tightened position.



**Figure 15: Tighten Locking Ring**

Because of the uneven surface of a FRP sump, a higher torque may be needed to seal the entry boot properly. If a leak occurs during the hydrostatic test, add an additional torque of no more than ¼ turn at a time on the fitting.

7. Insert the conduit piping into the fitting.



**Figure 16: Insert Conduit and Tighten Compression Nut**

8. Tighten the Compression Nut on the inside of the sump using a parallel jaw wrench.



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