10F-

4.6x2.0
4.6x2.5
4.6x3.6

Diversified Products Manufacturing Inc.

Weaver Products

Installation Instructions

10 Stud Penetration Fitting - Filled for Corrugated Ducted Systems w/Flex Pipe

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-DBB V 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.

Step 1

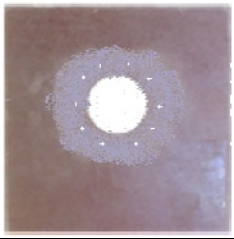
Sump Preparation: Where possible run pipe so as to penetrate the sump perpendicular to the sump surface. Drill the center hole according to the chart. Sand around the hole 2 1/2" on all sides to be bonded.

Hole Saw 5 1/2"

Minimum Spacing between Centers 8.35

Step 2

Mark Sump for Drilling Stud Holes: Mark hole positions and drill with 5/16" drill. On round sumps make sure you drill perpendicular to the sump wall. **Warning: Make sure the correct fitting is on the outside of the sump.**

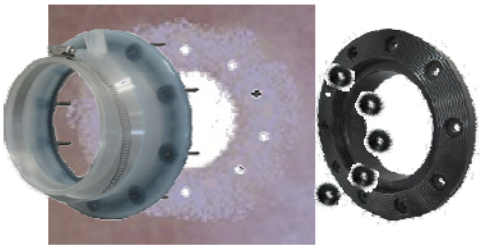


Step 3

Dry fit the fittings: Dry fit. If you have trouble fitting them together, recheck the holes. You may need to clean the holes with the drill. Studs must fit freely through the holes.

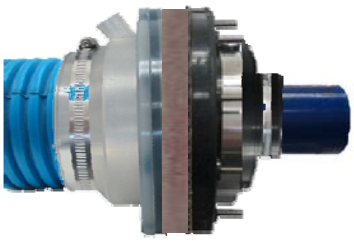
Step 4

Clean & Bond: Spray all surfaces to be bonded with CH-DBC II Cleaner. Wipe dry or air dry. Install Stud seals around studs prior to installing the boot. Apply CH-DBB V Bonder to the fitting surface that creates a seal with the sump wall. When installing there should be enough bonder so that a small bead escapes the perimeter of the fitting when the nuts are tightened to the fitting. If no bonder is present remove fitting and apply again



Step 5

Tighten Stud Nuts and Install Pipe and Tighten Band Clamps: Tighten stud nuts to 75 in-lb. Allow fitting to cure for 1/2 hour then install pipe. Pipe should be run perpendicular to the sump wall. Do not exceed 15 deg off angle. Once the pipe is installed and connected, tighten the band clamp. Do not exceed 60 in-lb.



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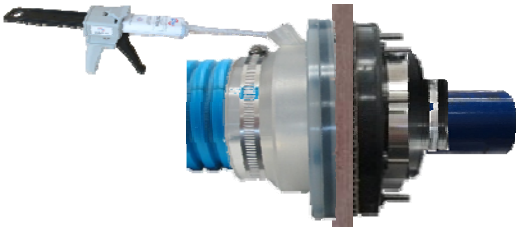
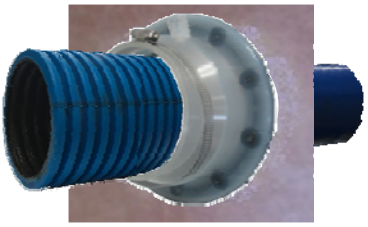
Step 6

Prepare CH-DAG III with CH-DBF II: Follow the installation instructions on use of the CH-DAG III Applicator Gun. Purge 2 ounces of the CH-DBF II Polysulfide Liquid into a cup. Fill the boot and plug when filled. The vent port may be plugged after filling as well.



Step 7

Clean up excess CH-DBF II: At this stage it is important to clean the boot and surrounding sump and pipe surfaces. This will prepare the surfaces for adhesion of the paint to these surfaces.



Step 8

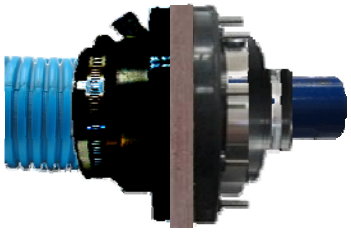
Paint the Boot with CH-DBF II: The purged CH-DBF II may now be mixed thoroughly and used to paint the exterior of the installed boot. It is recommended that the sump be painted for approximately 1" around the diameter of the boot. The paint should also be extended approximately 1" along the pipe surface from the boot.

Step 9

Clean the area: Often it is difficult to keep the sump floor and other surfaces clean. DBC II does an excellent job in assisting the cleaning process. Clean and remove all polysulfide from the sump that is not used in the installation and painting process.

Step 10

Completed Installation:



Tools Required

- 2 1/4" hole saw
- 5/16 nut driver for band clamps
- 7/16 deep socket for flange nuts
- CH-DAG III applicator gun for CH-DBB V bonder
- Small cup for CH-DBF II purging
- Paint brush for painting finished fittings
- Clean up Rags

Products Needed

- CH-DBC II - Cleaner .2 Cans per penetration fitting
- CH-DBB V - Methylmethacrylate Bonder - 48 ml per fitting
- CH-DBF II - Polysulfide Fill
  - Sizes 3.6-3.8 - 23 oz.
  - Sizes 4.4-4.6 - 20 oz.
  - Sizes 4.8 - 15 oz.