



"Better by Design"

Diversified Products Manufacturing, Inc.

INSTALLATION TRAINING
PG – S PENETRATION
FITTINGS

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PG - S Polyglass Repair Kits are used to
Repair Studded Penetration Fittings



PRE INSTALLATION ITEMS

PREPARE: all surfaces to be bonded prior to completing the installation steps.

WARNING: Failure to follow each step will void warranty & may result in premature failure of penetration fitting. Adhere to the following installation instruction for each step of the installation.

BONDING TO FIBERGLASS or HDPE SUMPS: Clean & sand all surfaces to a smooth, even surface, then clean with DBC II. Remove all gel coat or glazing.

CLEANING: Spray all surfaces to be bonded with DBC II and wipe off using a clean dry cloth. ABCD – Always Be Clean and Dry!

STEP 1 – REMOVE FITTING:

Typical 4 Stud Environ APT,OPW Pisces Penetration

The fitting shown is sealed to the sump exterior.
Some manufacturers have a fitting that is sealed to the interior wall, under the metal stud.

To Repair:

- 1) Remove the Metal Ring Slide it back over the existing pipe.
- 2) Cut off the existing fitting.

* This will leave a hole in the sump exposed to the back fill.



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STEP 2 – Prepare, clean and seal:

1) Sand all bonding surfaces. Remove all debris and gelcoat.



2) Cut off the amount of CH DSP-4 to be used.



3) Roll and knead putty until a consistent grey color. Form a membrane using the putty



4) Apply sufficient putty between pipe & sump wall. Do not overfill. Less is better-just enough to create a seal.



STEP 3 – Prepare and epoxy Polyglass ring:

Spray with CH DBC II. Wipe or air dry fitting and sump. Cut the Polyglass ring approximately equally between the stud holes. Apply CH DEB to bonding surfaces and spread evenly.



STEP 4 – Install PG–S Bonding ring over existing Studs

Wrap split Polyglass ring around the pipe and slide over existing studs.



STEP 5 – Re-install Metal Plate

Replace Metal Ring (removed earlier) over the studs and install new $\frac{1}{4}$ -20 flange nuts supplied in kit. Snug plate to the Polyglass ring using the flange nuts.



STEP 6 – Prepare Bulk Epoxy CH DEB Bulk 13 and install

Open both cans and add the contents of the smaller can of hardener (Part B) to the larger can of resin (Part A) and stir with the wooden stir stick provided.

When properly blended, the DEB epoxy is a consistent grey and is ready to cure. When using on vertical surfaces allow a few minutes to “set up” sufficiently to keep Epoxy from running. Use a spatula or other item to apply the DEB Epoxy. Install enough DEB to fill the space between the bonding ring and the pipe.



WARNING: MIX CAREFULLY TO ENSURE THE EPOXY IS WELL CATALYZED.

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STEP 7 – Fill gap with CH DEB Epoxy

Fill the gap between the PG-S Series bonding ring and the pipe with CH DEB epoxy



STEP 8 – Paint with CH DBF II

Paint with CH DBF II, ½” beyond the repair on both the sump wall and the pipe to complete the installation.

Hydrostatic test may be performed 1 Hour after painting.



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Completed PG-S Series Repair



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Completed Installation



"Better by Design" **Completed Installation**





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