



PLIDCO® DRAIN HOT+TAP SADDLE INSTALLATION INSTRUCTIONS

LANGUAGES:

CLICK ON LANGUAGE DESIRED

ENGLISH

PLIDCO[®]

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!! WARNING!!

IMPROPER SELECTION OR USE OF THIS PRODUCT CAN RESULT IN EXPLOSION, FIRE, DEATH, PERSONAL INJURY, PROPERTY DAMAGE AND/OR HARM TO THE ENVIRONMENT.

Do not use or select a PLIDCO Drain Hot+Tap Saddle until all aspects of the application are thoroughly understood. Do not use the Drain Hot+Tap Saddle until you read and understand these installation instructions. If you have any questions, or encounter any difficulties using this product, please contact: PLIDCO 440-871-5700

READ CAREFULLY

The person in charge of the repair must be familiar with these instructions and communicate them to all personnel involved in the installation.

Safety Check List

- Whenever a PLIDCO product is modified in any form by anyone other than the Engineering and Manufacturing Departments of The Pipe Line Development Company, the product warranty is voided. Products that are field modified do not have the benefit of the material traceability, procedural documentation, quality inspection and experienced workmanship that are employed by The Pipe Line Development Company.
- Read and follow these instructions carefully. Follow your company's safety policy and applicable codes and standards.
- The PLIDCO Drain Hot+Tap Saddle shall never be used to couple pipe. The PLIDCO Drain Hot+Tap Saddle has no end restraint, and if so utilized could result in EXPLOSION, FIRE, DEATH, PERSONAL INJURY, PROPERTY DAMAGE, AND/OR HARM TO THE ENVIRONMENT.
- During the *Pipe Preparation* and *Installation* procedures, those installing the PLIDCO Smith+Clamp must wear, at minimum, Z87+ safety eyewear and steel toe safety footwear.
- Be absolutely certain the gasket seal material (expanded PTFE up to 500°F or graphite up to 700°F) is suitable for the intended use. Contact PLIDCO or an authorized PLIDCO distributor if there are any questions.

- ❑ Observe the maximum allowable operating pressure (MAOP) and temperature on the label of the PLIDCO product. Do not exceed the MAOP or temperature as indicated on the unit.
- ❑ If the pipeline has been shut down, re-pressuring should be done with extreme caution. Re-pressuring should be accomplished slowly and steadily without surges that could vibrate the pipeline and fitting. Industry codes and standards are a good source of information on this subject. Except for testing purposes, do not exceed the design pressure of the Drain Hot+Tap Saddle. Personnel should not be allowed near the repair until the seal has been proven.

Pipe Preparation

- Remove all coatings, rust and scale from the pipe surface where the gasket of the Drain Hot+Tap Saddle will contact the pipe.
- The gasket can tolerate minor surface irregularities up to $\pm 1/32$ of an inch.

Installation

1. Clean and lubricate all bolts.
2. Loosely assemble the Drain Hot+Tap Saddle on the pipe next to the area to be tapped. Make sure that the yellow painted ends are matched together when assembled onto the pipe.

Note the gasket is in one half of the block only. (See Figure 1)

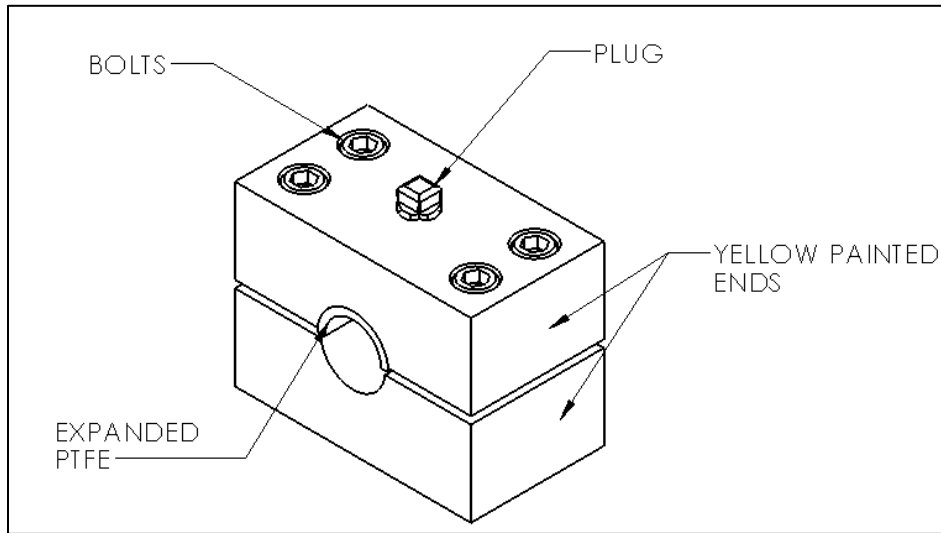


Figure 1

3. Slide the Drain Hot+Tap Saddle into position.
4. Tighten all studs to the torque value shown below.

Stud Size (inches)	Torque	
	ft-lbs	Nm
3/8	14	19

Re-pressuring

If the pipeline has been shut down, re-pressuring should be done with extreme caution. Re-pressuring should be accomplished slowly and steadily without surges that could vibrate the pipeline or produce a sudden impact load. Industry codes and standards are a good source of information on this subject. Except for testing purposes, do not exceed the design pressure of the PLIDCO fitting. Personnel should not be allowed near the repair until the seal has been proven.

Storage Instructions

- Drain Hot+Tap Saddle should be stored in a dry environment.
- Storage temperatures should not exceed 120°F (49°C).
- Cover with dark polyethylene to keep the direct sunlight from the packing.
- It is best to exclude contamination, light, ozone, and radiation.
- Improperly stored Drain Hot+Tap Saddle can cause the seal material to become cracked and brittle and lose its ability to seal.

Recommended Inspection Schedule

1. After the pipeline is re-pressurized (see *Re-pressuring* for precautions) the torque values should be checked again 4 hours after installation. Then, the torque values should be checked again 24 hours after that.
2. It is recommended that torque striping be applied from the bolt head to the body of the PLIDCO Drain Hot+Tap Saddle so that any loosening of the bolts or screws can be visually seen during an inspection.
3. 6 months after installation it is recommended that a visual inspection occurs that checks for visible signs of leakage, bolt, and general wear or corrosion.
4. After the 6 month inspection occurs, a yearly visual inspection is recommended that checks for visible signs of leakage, bolt, and general wear or corrosion.