

## MODEL 499 POWERSTOP SADDLE

Quality Control Department SAFETY FIRST - Always use cave-in protection, gloves, sturdy work boots, and eye protection when tapping pipe.

### GENERAL NOTES:

- Use cave-in protection during excavation and backfill operations.
- Verify Pipe O.D. to make certain that the correct tapping is being installed.
- Keep bolt threads clean and free from nicks, dents or other damage.
- If conditions permit, mark the pipe for a reference point to properly position the tapping sleeve.
- Before start, the installer shall determine the suitability of the product for his intended use and the installer assumes all risk and liability for the application of the product.

### OTHER INFO:

- **FOR SS BOLTS:** To avoid galling during installation, the threads **MUST BE KEPT CLEAN AND FREE FROM DAMAGE.** The fitting should not be thrown around or otherwise be abused, i.e. stored on truck without box, dropped from top of ditch, etc. A deep socket and ratchet wrench is recommended.
- Test the final assembly seals using the test plug on the sleeve, valve, or tapping machine. **Failure to pressure test before tapping voids all warranties expressed or implied.**
- All PowerSeal stainless steel tapping sleeves are hydrostatically tested at the factory to qualify welds and proper forming, but field testing is required to assure sound installation.
- When certain that all seals are leak tight, proceed with the tapping operation.



1 Check pipe diameter to insure that correct saddle is being installed and Thoroughly clean the pipe so surface is smooth and free of dirt and other debris.



2 Lubricate of the gasket with a soap solution. For cold weather lubrication, ethylene glycol can be added to the soap solution to prevent freezing.



3 Loosen nuts until flush with top of studs, and place saddle around pipe.



4 Close lug fingers and studs together by pulling the washer bar upward and snap the lip over the finger base plate. Manually tighten nuts.



5 Locate Nipple in desired position.



6 Torque nuts 50 to 70 ft/lbs to form a gasket seal. Do not over torque as it will not increase sealing ability and may cause plastic pipe failure.

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If necessary to reposition, loosen nuts prior to moving saddle and then retorque.

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Tap through Corporation Stop using a VegaDrill for best results on plastic pipe.

### PRE-INSTALL CHECKLIST:

#### DID YOU:

- Clean pipe surface thoroughly? [Y] [N]
- Check O.D. of pipe with measuring tape? [Y] [N]
- Lubricate the Pipe with Dishwashing Soap? [Y] [N]
- Verify Proper Torque Required? [Y] [N]
- Bring the proper equipment required to support the valve during the tap? [Y] [N]

#### WARRANTY CHECKLIST (\*):

- Date of Installation \_\_/\_\_/\_\_
- Time of Installation \_\_\_\_\_ [AM] [PM]
- Was Pre-Tap Pressure Test completed to appropriate pressure level? [Y] [N]
- What Pressure was it tested to? \_\_\_\_ psi
- (PowerSeal recommends torquing in 25 ft-lb increments) \* Torque Applied: \_\_\_\_\_ ft-lbs
- Was standard re-torquing applied 5 minutes after reaching torque requirements? [Y] [N]
- Was an even gap between top and bottom shell maintained while torquing the nuts in sequence? [Y] [N]
- Was the Valve Supported During Installation? [Y] [N]

If so, with what was it supported by? \_\_\_\_\_

• Signature of On-Site Leadman: \_\_\_\_\_

**\* Must be completed on day of installation to Validate Warranty**

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