

## INSTALLATION SHEET - TAPPING SLEEVE

### MODEL 3425 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 fitting 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 and 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 abused, i.e. store on the truck without a box, drop from top of the ditch, etc. A deep socket and ratchet wrench is recommended.
- Test the final assembly before tapping, **Failure to pressure test before tapping voids all warranties expressed or implied. Testing with air only is prohibited and not recommended for safety reasons.**
- All PowerSeal stainless steel tapping saddles are 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 the correct fitting is being installed. Thoroughly clean the pipe surface until it is smooth and free of dirt and other debris.



2 Lubricate 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 and place nipple in desired position.



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

## INSTALLATION SHEET - TAPPING SLEEVE

### MODEL 3425 POWERSTOP SADDLE

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



7



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

8



Hydrostatic pressure test, then tap through a valve using a VegaDrill for best results on plastic pipe.

Leave each connection exposed and field pressure test prior to backfilling to assure proper installation. If dry tapping follow the above, but also retorque the nuts after field testing. **All valves and tapping equipment must be blocked (supported) before, during and after installation. Failure to do so voids all warranties.**

#### 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]

#### 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]

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

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