INSTALLATION SHEET - SADDLES

MODEL SEWER Saddle

PowerSeal PIPELINE PRODUCTS CORPORATION

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

GENERAL NOTES:

- Over torqueing will not increase the ability of the saddles to seal
- Suitable pipe thread sealant is recommended
- Length of bolt thread protruding past top of nut should be equal distance on both sides
- Use cave-in protection during excavation and back-fill operations.
- Verify pipe O.D. to make certain that the correct range saddle is being used.
- Keep bolt threads clean and free from nicks, dents or other damage.
- Lubrication of the gasket with soap solution reduces friction and more evenly distributes clamping force.

OTHER INFO:

- Make sure no foreign materials lodge between saddle gasket and pipe as nuts are tightened.
- Avoid loose fitting wrenches or wrenches too short to achieve proper torque.
- Take extra care to follow proper bolt tightening procedures and torque recommendations: 15-20 ft-lbs. for 6" - 12" mains and 20-30 ft-lbs for 14”-48” mains.
- The hole cut in the main should be no larger than the inside diameter of the saddle gasket. The 4" gasket has an I.D. of 5.20, the six inch gasket has an I.D. of 6.40.
- When reinstalling parts with stainless steel hardware there may be a loss in pressure holding ability due to worn or damaged threads during the origial installation
- During installation the temperature of the saddle gasket itself can be important. The temperature of the saddle gasket should not fall below 45° F.

1

Check diameter of main and branch pipe to make sure you are using the correct size saddle gasket; also check gasket to make sure it is the size you think

2

Remove as much dirt and corrosion from pipe surfaces as possible.

3

Lubricate the saddle gasket and the pipe main. Place saddle and gasket over pipe.

4

Wrap strap around pipe and slide the adjustable bolt assembly to a point which leaves most of the thread for tightening.

5

Fold strap back against itself, placing free end between strap and pipe. (On small pipe, it may be necessary to fold loose end twice).

6

Tighten nuts evenly, alternating between them until appropriate torque is reached (see below). Significant flattening of PVC pipe indicates overtightening. In all cases wait 10 minutes and retorque.

RECOMMENDED TORQUE	
Nom. Pipe ø	**Torque (ft-lb)**
6’’-12’’	15-20
14’’- 48’’	20-30

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7

Lubricate and insert branch end. It is recommended to bevel the branch pipe end and lubricate pipe end and saddle gasket hub.

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 standard re-torqueing applied 5 minutes after reaching torque requirements? [Y] [N]

• Signature of On-Site Leadman: _____

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