

Procedure 2202: Installation of Flat Seal Couplings

effective 02/08

Selection

- 1. Flat seal couplings are for lay flat hose and single jacket fire hose with a wall thickness between 5/64" and 3/16".
- 2. Flat seal couplings are designed for use with flat seal clamps only.

Preparation

- Prepare the hose using Procedure 1100: General Preparation Instructions.

Process

- 1. Insert the coupling. Refer to step 9 of Procedure 1100: General Preparation Instructions. For couplings with female thread, allow 1/16" of the shank to show past the hose end.
- 2. Place the clamp on the hose:
 - a. For male couplings it should contact the stem hose stop.
 - b. On female couplings it should be even with the hose end.
 - c. For clamps 3" and below, the lettering detail (ex: "DIXON V&C") should be facing away from the threads.
 - d. For 4" and 6" clamps with gripping fingers, the fingers must be positioned behind the stem collar.
- 3. Position hose creases under body (center) of clamp halves and hand-tighten both nuts equally.
- 4. Using a permanent marker, mark the clamp body near one of the nuts, and tighten that nut one full turn.
- 5. Tighten the opposite side nut one full turn.
- 6. Continue tightening nuts alternating back and forth until both are tightened to recommended torque as listed on the Flat Seal coupling page of the current DPL (Dixon Price List).
Note: Torque values are based upon "dry bolts". Lubricant on bolts will adversely effect clamp performance.
Use a torque wrench. Periodic bolt re-tightening is necessary.
- 7. Test assembly using Procedure 4000: General Hydrostatic Testing Information and 4001: Hydrostatic Testing.

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