Technical Note PP 808-A

Tightening Flat Ring Gasket Tapping Tee & Purge Point Caps

Cap Seal Styles

Performance Pipe offers two tapping tee and purge point cap seal styles: Flat Ring Gasket and O-Ring Seal

· Flat Ring Gasket seal Standard Tapping Tees, High Volume Tapping Tees and Purge Points have a lubricated, flat ring gasket that seals between the top of the tapping tee and the cap. See Technical Note PP-808A-TN.

· O-Ring Seal Standard Tapping Tees, High-Volume Tapping Tees, and Purge Points have a lubricated o-ring seal at the top of the tee body. Standard Tapping Tees and Purge Points have a second o-ring in the cap that seals against the top of the tapping tee. O-rings may be circular or Quad-Ring® cross section. See Technical Note PP-808B-TN.

Tightening Flat Ring Gasket Tapping Tee and Purge Point Caps

Tighten by hand. Use both hands if needed. Gloves may be used to improve grip, or a band type (oil filter) or strap type wrench may be used to tighten the cap.

Never use pliers or a pipe wrench - the teeth will damage the cap.

1. Before Tightening

· Cap, gasket and tee body sealing surfaces must be clean and undamaged - no dirt; no debris; no cuts, scrapes or gouges. In Standard Tapping Tees and Purge Points, the gasket fits in the cap. In High-Volume Tapping Tees, the gasket fits in a recess on top of the tee body.

· The cutter must be slightly below the top of the Tapping Tee body. The plug must be slightly below the end of the Purge Point.

2. Tightening Tapping Tee, Purge Point Caps and High Volume Tapping Tees

Screw the cap down until the cap contacts the gasket, about 8 turns; then tighten 1/2 to 3/4 additional turn.

· For Standard Tapping Tees and Purge Point caps, there should be about 1/16" (1.5 mm) between the bottom of the cap and the thread terminator.

· For High Volume Tapping Tees, there should be about 1/8" (3.2 mm) between the bottom of the cap and the thread terminator.

· Caps may be tightened an additional 1/2 turn if necessary. Tightening further can damage the cap, gasket or purge point body.

After tightening, the cap may be tested for leaks.