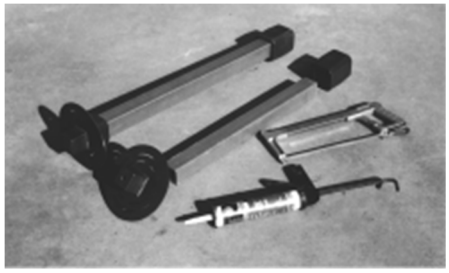
PIPELINE PRODUCTS
Waterworks Tools for the Professional

FIBERPLAS®

Permanent Valve Stem Extension Installation Instructions



To assemble a FIBERPLAS valve stem extension you will need the following:

- A length of 2" square tubing (part# FPT-200)
- Upper drive unit (part# FPU-210)
- Lower drive unit (part# FPL-220)
- Hacksaw with a coarse blade
- Tape measure
- Silicone adhesive or epoxy (part# E-6000)

1. Measure the distance from the top of the valve nut to the ground surface & subtract the distance you want the op-nut below grade. Add 2 1/2" to this measurement as this is the length "lost" inside the top op-nut. Mark this length.

2. Identify the valve can diameter and cut the holding tabs if necessary to adjust from 8" can (7 1/2" ring) to either a 6" or 4 1/2" can (5 1/2" or 4" ring, respectively). A coarse-toothed hacksaw blade works well for this.

3. Cut the 2" square fiberglass tubing to the length required. Test fit all three pieces together and mark where the "bottom out" to ensure a complete fit after the silicon is applied.

4. Apply a liberal amount of silicon adhesive to approximately 2" of the length of one end of the tubing.

5. Apply more silicon to the groove inside the bottom op-nut. Allow the silicon on the tubing and the op-nut to set up for several minutes before pressing the two pieces together. Make sure the tubing has completely "bottomed-out" inside the op-nut.

6. Repeat steps 4 & 5 with the other end of the tubing and the top op-nut. After the extension is assembled, allow it time to set-up. This time may vary with the type of adhesive used. Make sure that the op-nut ends will not slide off when lowering the extension into the valve can.

NOTE: Pipeline Products does not recommend Fiberplas extensions longer than 10 feet

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