

HARCO **INSTALLATION INSTRUCTIONS**

FITTINGS

VALVE to PIPE (STYLE A)

Restraint Assembly

Items to be assembled:

- A - (2) Grip rings w/ clamp bolts & nuts.
- B - (2) Split rings consisting of two halves "TOP" (has small notch), "BOTTOM" (has large notch).
- C - (4) T-Bolts or Corten threaded rod & Nuts
- D - (1) Push joint valve.

Step 1: Install valve in system with pipe ends homed to pipe stops.

Step 2: Assemble split ring around socket of bell so it seats up against the backside of valve gasket O.D. The "BOTTOM" ring half is installed on the bottom of the valve, while the other half goes on from the top side.

Step 3: Clamp grip rings on pipe with the rings flush against valve bells. (as shown in diagram) After being sure of the alignment of the restraint bolt holes, tighten grip ring clamp bolts to 100 ft-lbs. of torque.

Step 4: Slide T-Bolt or Corten threaded rod through ring holes, from grip ring side, thread on Corten nuts tighten evenly to 5 ft-lbs. of torque for a snug fit.

WARNING:

If grip rings are not installed flush against valve bells, the thrust force from valve closure may cause the valve to force it self over end of PVC pipe resulting in failure of gasket seal causing a leak.



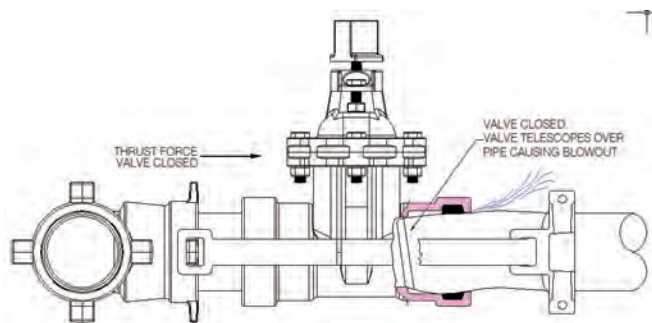
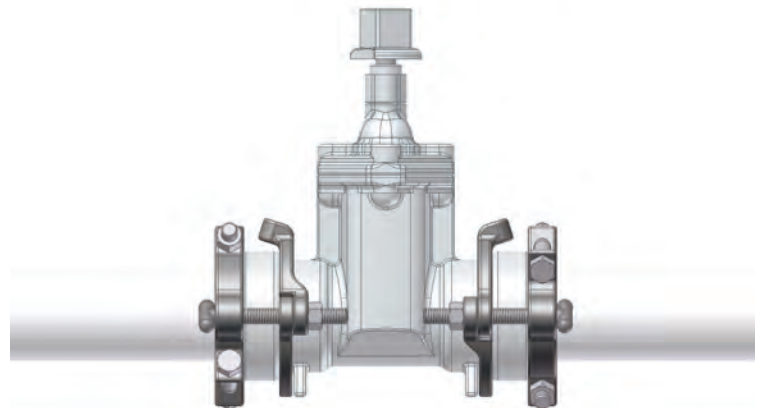
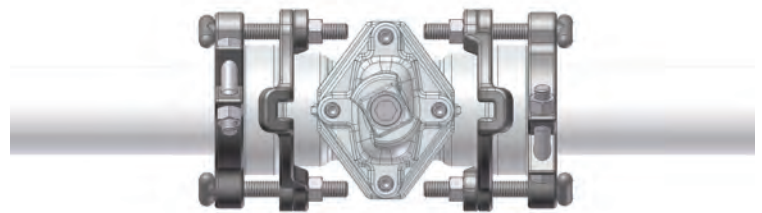
FIGURE 1
(2) VALVE (BUR) RING



FIGURE 1
(2) GRIP RING w/
BOLTS & NUTS



FIGURE 6
(4) T-BOLT & NUT



HARRINGTON CORPORATION • P.O. BOX 10335 • LYNCHBURG, VIRGINIA 24506

PHONE: 434-845-7094 • FAX: 434-845-8562 • E-MAIL: sales@harcofittings.com • WEB: www.harcofittings.com

(INS105 #031506)

HARCO INSTALLATION INSTRUCTIONS

FITTINGS

VALVE to PIPE (STYLE B)

Restraint Assembly

Items to be assembled:

- A - (2) Grip rings w/ clamp bolts & nuts.
- B - (2) Corten restraint rod, with (4) Corten nuts.
- C - (1) Push joint valve.

Step 1: Install valve in system with pipe ends homed to pipe stops.

Step 2: Pre-install restraint rod through grip ring restraint holes, before installing grip rings on pipe. Thread Corten nuts on each end of both threaded rods down approximately 1" to allow for loose fit during positioning of grip ring on pipe.

Step 3: Clamp grip rings on pipe with the rings flush against valve bells. (as shown in diagram) Tighten grip ring clamp bolts to 100 ft-lbs. of torque.

Step 4: Tighten Corten nuts evenly on threaded rod to 5 ft-lbs. of torque for a snug fit. There should be 2+ inches of threaded rod extending past the nut on both sides

WARNING:

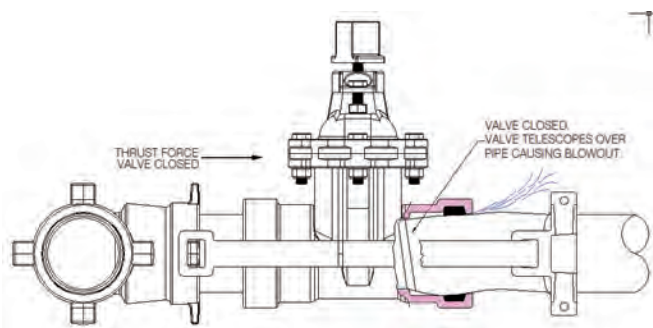
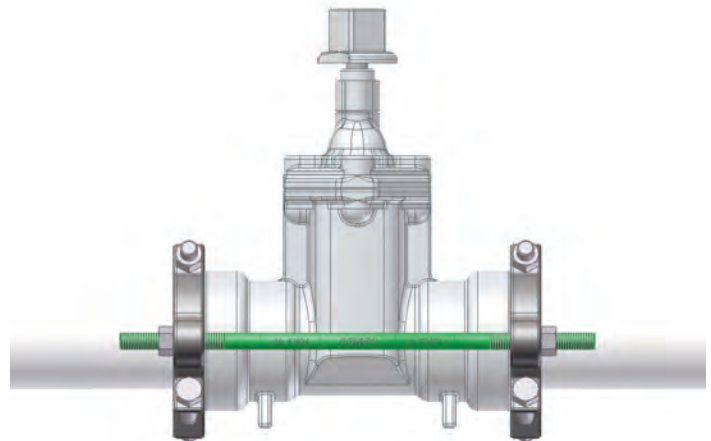
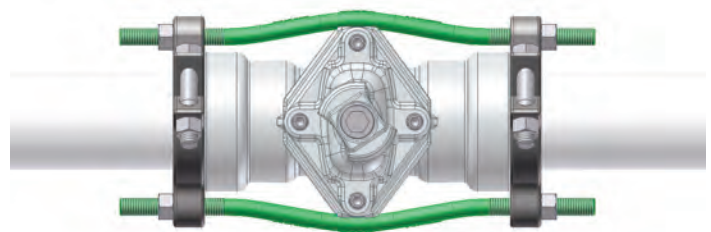
If grip rings are not installed flush against valve bells, the thrust force from valve closure may cause the valve to force it self over end of PVC pipe resulting in failure of gasket seal causing a leak.



FIGURE 1
(1) GRIP RING w/
BOLTS & NUTS



FIGURE 2
(2) ROD & (4) NUTS



HARRINGTON CORPORATION • P.O. BOX 10335 • LYNCHBURG, VIRGINIA 24506

PHONE: 434-845-7094 • FAX: 434-845-8562 • E-MAIL: sales@harcofittings.com • WEB: www.harcofittings.com

(INS105 # 031506)