

Installation and Maintenance of A.R.I.'s S-015 Automatic Air Release Valve

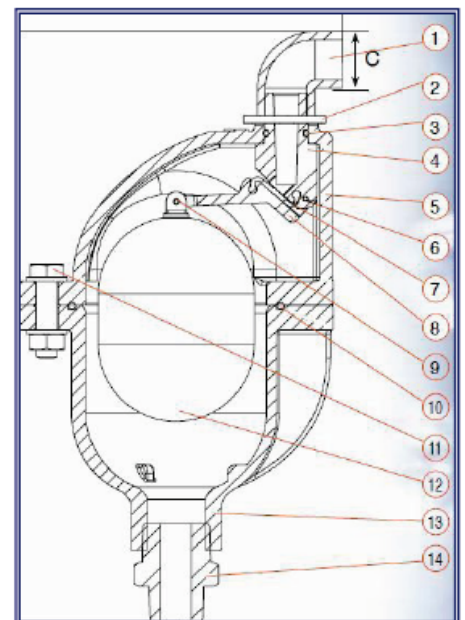
A. Installation

- A.1 The air valve will be mounted on a riser, connected to the top of the pipe.
- A.2 An isolating valve will be installed below the air valve.



B. Basic, Periodic Maintenance

- B.1 Close the shut-off valve below the air valve.
- B.2 Unscrew the Cover Bolts (8-10) of the automatic air release valve slowly, to release accumulated pressure .
- B.3 Remove the Cover (2) of the automatic a.r.v., clean the Orifice (5) with flowing water or a burst of pressurized air.
- B.4 Wash the inside of the Body (1), the Float (3), and the Rolling Seal (7) with clean water.
- B.5 Check to make sure the Rolling Seal is unharmed (not torn or cracked) .
If it needs to be replaced, see below, Instructions for Replacing the Rolling Seal.
- B.6 Reinstall in reverse order and fasten and tighten all bolts. Make sure to re-assemble all the components correctly.
- B.7 Open the shutoff valve beneath the air valve.



C. Instructions for Replacing the Rolling Seal

- C.1 Perform steps C.1 thru C.3 found above in C. Basic Periodic Maintenance
- C.2 Unscrew and remove the Discharge Outlet (1).
- C.3 Remove the Rollpin (2) with the aid of a hand punch, small hammer and pliers.
- C.4 Press down on the threaded end of the Orifice and Float Assembly (4)(6)(7)(8)(12) that extends out from the top the Cover (5), remove and place it on a flat surface for the next step.
- C.5 Remove the damaged Rolling Seal (7) by extracting it from both ends of the Lever (8).
- C.6 Replace with a new Rolling Seal by inserting each end of the seal into each slot in the Lever (8).
- C.7 Reinsert the Orifice and Float Assembly into the Cover by pushing the threaded end of the assembly up through the bottom hole in the Cover.
- C.8 Align the holes in the threaded end with the slots in the Cover.
- C.9 Insert the Rollpin into the hole with the aid of a hand punch and small hammer.
- C.10 Make sure the ends of the Rollpin sit inside the slots of the Cover.
- C.11 Place the Cover with the attached assembly onto the Body (5).
- C.12 Insert the 4 Bolts and Washers (11) into the Cover holes and tighten the Nuts (11).