

## Installation and Maintenance of A.R.I.'s D-060 Combination Air Valves



### 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 Shut the isolating valve below the air valve.
- B.2 Unscrew the body of the Automatic air valve (1).
- B.3 Remove the Clamping Stem and the float in the automatic component and wash the inside of the body, the Clamping Stem, the float, and the Rolling Seal ,with clean water.
- B.4 Check to make sure the Rolling Seal is unharmed (not torn or cracked) and is attached precisely in the middle of its groove in the float.
- B.5 Unscrew the bolts (15) that connect the main valve cover (11) to its body (17).
- B.6 Wash the body , the screen and the cover in clean water in order to remove coarse grime or accumulated scale.
- B.7 Check body & cover coating for rust points. Recoat if necessary
- B.8 Reinstall in reverse order and fasten and tighten all bolts. Make sure to re-assemble the upper air valve correctly: First, insert half the length of the rolling seal tail into its groove in the body (1), and then, push the rest of the way, to the end of the groove, using the Clamping . Make sure the Rolling Seal is set in place.
- B.9 Open the isolating valve beneath the air valve.

### Parts Specification

- |     |                    |                              |
|-----|--------------------|------------------------------|
| 1.  | S-050 S-050-C Body | Cast Iron / Reinforced Nylon |
| 2.  | Lifting Ring       | Steel Cadmium Plated         |
| 3.  | Crown Nut          | Stainless Steel ASTM A 276   |
| 4.  | Washer             | Stainless Steel ASTM A 276   |
|     | Bolt               | Stainless Steel ASTM A 276   |
|     | Screen cover       | Cast Iron ASTM A48           |
| 7.  | Nut                | Stainless Steel ASTM A 276   |
| 8.  | Bolt               | Stainless Steel ASTM A 276   |
|     | Screen             | Stainless Steel SAE 304      |
| 10. | Nipple             | Brass                        |
| 11. | Cover              | Cast Iron ASTM A48           |
| 12. | Nozzle Seat        | St.St. SAE 403 or 316        |
| 13. | Nozzle Seal        | Buna- N or E.P.D.M.          |
| 14. | O-ring             | Buna- N                      |
| 15. | Bolt & Nut         | Stainless Steel ASTM A 276   |
|     | Float              | Stainless Steel SAE 316      |
| 17. | Body               | Cast Iron ASTM A48           |
| 18. | Plastic Plug       | Plastic                      |

