

Installation and Maintenance of A.R.I.'s D-065 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

General

Routine service is an integral part of the standard procedure for maintenance of a water supply system.

Recommended routine maintenance— once or twice a year, according to the quality and type of the liquids in the system.

- B.1 Before servicing, close the isolating valve under the air valve base.

Maintenance of Air Release Component

- B.2 Slowly open cover bolts (1) alternately until water and air start to be released. Wait until all the water and air cease to be released before removing the cover and bolts.
- B.3 Remove the plastic cap (2) attached to the cover (3) with the use of a screwdriver.
- B.4 Wash and clean the air discharge orifice (4) with water and a thin copper wire.
- B.5 Wash the rolling seal (5) and make sure that is not torn or cracked.
- B.6 Wash the float (6) making sure to remove coarse grime or accumulated scale.
- B.7 Wash the valve body (7) and remove any coarse grime or scale clinging to the sides.

Reassembly of Air Release Component:

- B.8 Make sure the O-ring (8) is intact and situated fully inside the body groove.
- B.9 Make sure that the center of the lever (9) is in the center of the cover, and the Roll pin (10) is well attached to the plastic orifice (11).
- B.10 Replace the lid and tighten the screws and bolts.

Maintenance of Air & Vacuum Component

- B.11 Unscrew the Bolts and Nuts (12) that connect the valve Cover (13) to the air valve Body (14).
- B.12 Wash the air valve Body (14), the Screen (15) and the Cover (13) in clean water in order to remove coarse grime or accumulated scale.
- B.13 Reinstall in reverse order and fasten and tighten all the Bolts and Nuts (12).
- B.14 Open the isolating valve and make sure that air is being released from the air release valve orifice.
- B.15 Replace the plastic cap (2) by clicking into place.
- B.16 Make sure there are no leaks from the air valve

Parts Specification

1.	Bolt, Nut & Washer	Steel, Zinc Cobalt Plated
2.	Drainage Outlet	PVC
3.	Cover	Ductile Iron
4.	Orifice	Reinforced Nylon
5.	Rolling Seal	EPDM
6.	Float	Polycarbonate
7.	Body	Ductile Iron
8.	O-Ring	EPDM
9.	Lever Seal	Reinforced Nylon
10.	Rollpin	Stainless Steel SAE 304
11.	Orifice	Reinforced Nylon
12.	Bolt, Nut & Washer	Steel, Zinc Cobalt Plated
13.	Cover	Ductile Iron
14.	Body	Ductile Iron
15.	Screen	Stainless Steel SAE 304

