MAINTENANCE INSTRUCTIONS

A.R.I.

COMBINATION AIR VALVE
BARAK, MODEL D-040 STST 1”

GENERAL INSTRUCTIONS

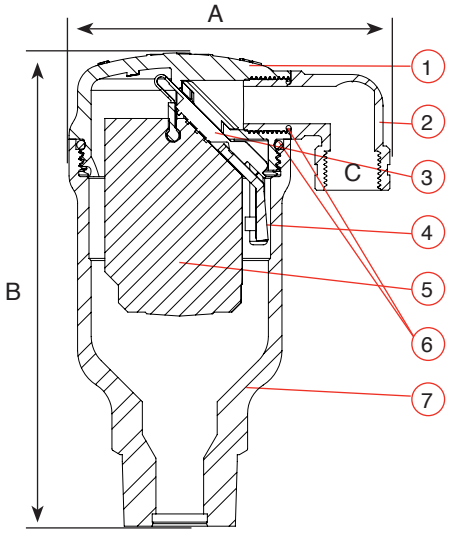
- Routine service is an integral part of the standard procedure for maintenance of a water supply system.
- Recommended routine maintenance– once or twice a year, according to the quality and type of the fluids in the system.

A. INSTALLATION

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

B. BASIC PERIODIC MAINTENANCE

B.1 Close the isolating valve under the valve base before servicing.
B.2 Slowly turn the Cover (1) counterclockwise until pressure is released from the air valve. Then continue by turning until the Cover is removed from the Body (7).
B.3 While holding the Cover upside down, insert a finger behind the Clamping Stem (4), push it out and remove.
B.4 Carefully pull out the Float (5) with the attached Rolling Seal (3).
B.5 Wash the Cover, Float and Rolling Seal under running water, paying special attention to remove debris from the double orifice inside the cover. Examine the Rolling Seal for cracks or tears. Replace if necessary.
B.6. Clean the Discharge Outlet (2) to remove insects and debris.
B.7 Return the Float with the attached Rolling Seal to its original position in the Cover and lock them into place with the Clamping Stem.
B.8 Examine the O-Ring (6) at the base of the Cover threads for cracks or tears. Replace if necessary.
B.9 Insert the Cover into the Body and close tightly by turning clockwise until the O-Ring is no longer visible.
B.10. Open the isolating valve after servicing.



PARTS SPECIFICATION

NO.	DESCRIPTION	MATERIAL
1.	Cover	Stainless Steel SAE 316 / Duplex
2.	Discharge Outlet	Polypropylene
3.	Rolling Seal	E.P.D.M.
4.	Clamping Stem	Reinforced Nylon
5.	Float	Foamed Polypropylene
6.	O-Ring	BUNA-N
7.	Body	Stainless Steel SAE 316 / Duplex

TROUBLESHOOTING

SYMPTOM	CAUSE	CORRECTIVE ACTION
Discharge Outlet is broken.	Valve was hit or mishandled.	Easy to replace: gently pry off the outlet with screwdriver Pressure insert the replacement part using a plastic hammer. Replacement part can be ordered from A.R.I. **Note:** The part is not mandatory for the function of the valve.
Outlet thread size needed in order to attach a drainage pipe.	End user needs to connect a drainage pipe from the valve outlet in order to drain excess water.	D-040 has 3/8" female thread.
Valve spits water.	This is normal at start up and during pressure test. Could be debris in the sealing mechanism.	Perform BASIC PERIODIC MAINTENANCE
Valve is continuously leaking.	Line pressure issues (inadequate pressure) or debris lodged in seal or o-rings.	Check line pressure. It needs at least 3 psi to seal tight. Is the valve on a booster pump? Can be installation issue if valve is level with the water level in a tank - there is no pressure to seal. Perform BASIC PERIODIC MAINTENANCE