MAINTENANCE INSTRUCTIONS

COMBINATION AIR VALVE
BARAK, MODEL D-040 2”

GENERAL INSTRUCTIONS

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

INSTALLATION

1. The D-040 combination air valve should be installed vertically on a riser on the crown of the pipeline.
2. An inlet isolating valve should be installed underneath the D-040 air valve.

PERIODIC MAINTENANCE

1. Routine service is an integral part of the standard procedure for maintenance of a water supply system.
2. Recommended routine maintenance - at least once a year, according to the type and quality of the liquids in the system.

BASIC MAINTENANCE

1. Close the isolating valve under the air valve e before servicing.
2. Slowly turn the valve Body (1) counterclockwise, release and remove.
3. Remove the Clamping stem (4) from inside the valve Body and carefully pull out the Float (5) with its attached Rolling Seal (3).
4. Wash the Rolling Seal under clear running water, examining it for cracks or tears. Replace the Rolling Seal, if necessary
5. Wash the Body and the Float (5) under clean running water to remove built up grime.
6. Clean the Discharge Elbow (2) to remove insects and debris caught in the screen.
7. Return the Float with the attached Rolling Seal to its original position in the valve Body and lock them into place with the Clamping Stem.
8. Screw the valve Body into the Base (7) and tighten manually by turning it clockwise.
   Note:
   First make sure the O-ring (6) is seated properly in the groove in the Base.
9. Remember to open the isolating valve after servicing.

PARTS LIST (fig.1)

No.	Part
1.	Body
2.	Discharge Outlet
3.	Rolling Seal Assembly:
4.	Clamping Stem
5.	Float
6.	O-Ring
7.	Base

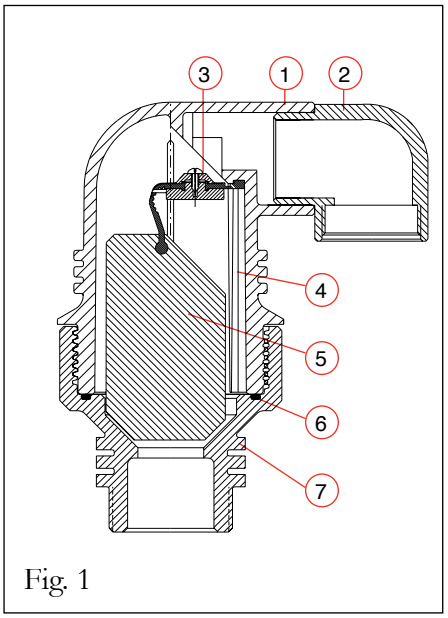

Fig. 1

TROUBLESHOOTING GUIDE

PROBLEM	REASON	SOLUTION
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 vent/ drain pipe.	End user needs to connect a vent/drain pipe from the discharge outlet.	1" D-040 has 3/8" female thread. 2" D-040 has 1¼" female thread. End of pipe must be left open in order for valve to function.
Valve spits water.	This is normal at start up and during pressure test. Could be debris stuck to the sealing mechanism.	Perform steps for BASIC 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 an installation issue if the valve is level with the water level in a tank - there is no pressure to seal. Perform steps for BASIC MAINTENANCE
Valve leaks from threads.	Plastic threads stripped.	Check for cross-threading. Replace Base. Offer to replace with a metal Base.