

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

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-C 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-43 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.

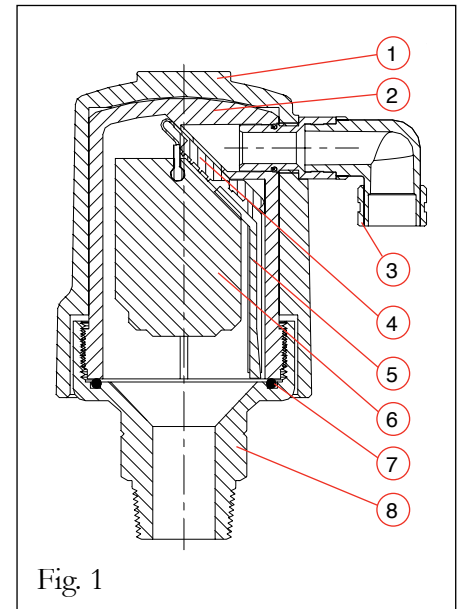
PROCEDURE

1. Close the service valve under the valve base before servicing.
2. Unscrew and remove the metal shell assembly (1-6) from the base (8) by turning the metal shell (2) counterclockwise with the aid of a belt wrench.
3. Remove the clamping stem (5) from inside the valve body (1) and carefully pull out the float (6) with the attached rolling seal (3).
4. Check the soundness of the rolling seal (3) by washing it with water and examining it. Note: Replace the rolling seal (3) in case it is torn.
5. Wash the body (1) and the float (6) with clean water and examine for damage.
Note: Replace the float (6) if it is damaged.
6. Clean the discharge elbow (4) to remove insects and debris.
7. Return the float (6) with the attached rolling seal (3) to its original position in the valve body (1) and lock them into place with the clamping stem (5).
8. Return the metal shell assembly (1-6) to the base (8) and close by turning it clockwise. Note: First make sure the O-ring (7) is seated properly in the base of the valve (8).
9. Remember to open the service valve after the servicing.



PARTS LIST (fig.1)

No.	Part
1.	Shell
2.	Body
3.	Discharge Outlet
4.	Rolling Seal
5.	Clamping Stem
6.	Float
7.	O - Ring
8.	Base
9.	Bolt & Nut (x4)



TROUBLESHOOTING GUIDE

PROBLEM	REASON	SOLUTION
Elbow 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 elbow outlet.	The elbow outlet 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 PROCEDURE
Valve continuously leaks	Line pressure issues (inadequate pressure) 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 PROCEDURE

