

## COMBINATION WASTEWATER AIR VALVE MODEL D-025 L

### A. INSTALLATION AND OPERATION

1. The WAV (wastewater 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 WAV.
3. To change the direction of Drainage Outlet (1), loosen the Clamps (13) and turn the Body (12) to the proper position, then tighten the Clamps.
4. For flanges, fit protective washers for each bolt.

**WARNING** Do not remove or disassemble the air valve from pipeline before performing the following steps:

1. Turn off isolating valve underneath the WAV.
2. Open up Pressure Release Tap (16) located on the Base (17) to release pressure and drain the valve.
3. Unscrew the valve from line (only after ensuring that internal pressure in the valve has been released) by turning the air valve using the hexagonal grip on the Base.

### B. MAINTENANCE

#### B.1. Maintenance - (Every 6 - 12 months or according to liquid quality)

1. Open the Bolt, separate and remove the two parts of the Clamp (13).
2. Separate and remove the Body Assembly (1-12) from the Base (17).
3. Attach a hose to the Discharge Outlet (1) to thoroughly clean the upper Body Assembly (2-4) with a stream of clean water.
4. Use a hose with a stream of clean water to thoroughly clean the attached lower Float Mechanism (7-11, 15). Remove all coarse grime and scale build-up.
5. Use a hose with a stream of clean water to clean the inside of the lower Body (12) and Base (17). Remove all coarse grime and scale build-up.
6. For assembly, first pay attention to the correct placement of the O-Ring (14) on the top outer ridge of the Base.
7. Attach the upper Body Assembly to the Base.
8. Connect the Clamps and tighten the Bolt.

#### B.2 Maintenance Including Replacing or Cleaning the Rolling Seal Assembly

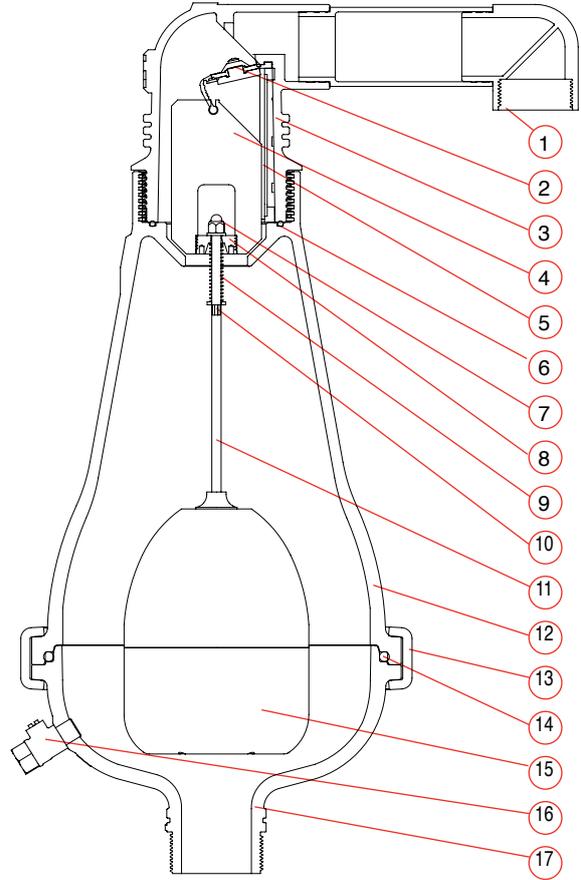
1. Follow steps 1 – 5 of the section above on Maintenance
2. Unscrew the upper Body (3) from the lower Body (12).
3. Lay the complete air valve sideways on a clean surface.
4. Remove the Clamping Stem (5) from inside the upper Body and carefully pull out the Float (4) with the attached Rolling Seal Assembly (2).
5. Wash the Rolling Seal Assembly with clean water and examine it for tears or cracks. Replace the Rolling Seal Assembly in case it is torn or cracked.
6. Insert the Float with the attached Rolling Seal Assembly to its original position in the upper Body and lock them into place with the Clamping Stem.
7. Make sure the O-ring (6) is seated properly in the groove in the top of the lower Body (12).
8. Screw the upper Body into the lower Body and close by turning it clockwise (manually).
9. Follow steps 6 – 9 of the section above on Maintenance



## PARTS LIST AND SPECIFICATION

### No. Part

1. Discharge Outlet
2. Rolling Seal Assembly
3. Body
4. Float
5. Clamping Stem
6. O-Ring
7. Domed Nut
8. Stopper
9. Spring
10. Washer
11. Stem
12. Body
13. Clamp
14. O-Ring
15. Float
16. Tap 1/4 "
17. Base



## TROUBLESHOOTING GUIDE

PROBLEM	REASON	SOLUTION
Valve leaking from Clamp area (13)	O-ring (14) not in place, debris in sealing area, or Clamps (13) are not properly tightened	Open the bolt, separate and remove the two parts of the Clamp (13). Check the placement and integrity of the O-Ring (14). Check for debris, clean and close the Clamps
Valve leaking from the Discharge Outlet (1)	Debris caught in sealing mechanism or Rolling Seal (2) is damaged	Perform <b>B.2 Maintenance Including Replacing or Cleaning the Rolling Seal Assembly</b>
Threaded pipe connection is leaking	The nylon thread was compromised in installation	Suggest a double threaded nipple fitting for future use. Replace the Base (17) section and O-ring (14)

