



COMBINATION AIR VALVE

SERIES 701/95 & 701/96

1. INSTALLATION

1. The 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 valve.
3. To change the direction of the camlock connection (1), loosen the clamps (13) and turn the body (12) to the proper position. Then tighten the clamps.
4. For flanges, fit protective washer for each bolt.



Warning!

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

1. Turn off the isolating valve underneath the wastewater air valve.
2. Open up the drainage valve (16) located on the base to release pressure and drain the valve.
3. Remove the valve from line (only after ensuring that the internal pressure in the valve has been released) by turning the air valve using the hexagonal grip on the base.

2. MARKING

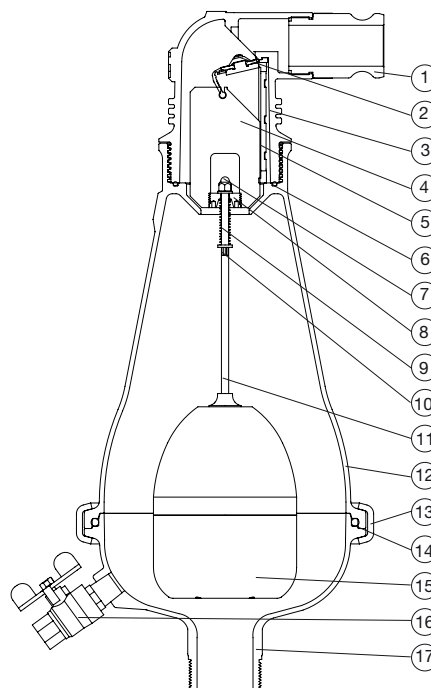


Label:

- Manufacturer
- EAN number in text and as bar code
- Item number
- Product specification
- Year of production
- Unique serial number in clear text and as bar code
- Internal order number

3. PARTS LIST

No.	Item
1	Camlock connection
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	Drainage valve
17	Base



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4. MAINTENANCE (EVERY 6 - 12 MONTHS OR ACCORDING TO LIQUID QUALITY)

1. Loosen 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 built-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 built-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.

5. MAINTENANCE (INCL. REPLACING/CLEANING THE ROLLING SEAL ASSEMBLY)

1. Follow steps 1–5 of the section above in “Maintenance”
2. Unscrew the upper body (3) from the lower body (12).
3. Place 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 cuts 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 in “Maintenance”.

6. TROUBLESHOOTING GUIDE

Problem	Reason	Solution
Valve leaking from clamp area	O-ring (14) not in place, debris in sealing area, or clamps (13) are not properly tighten.	Untighten the bolt, separate and remove the two parts of the clamp (13). Check the placement and quality of the O-ring (14). Check for debris, clean and close the clamps.
Valve leaking from the discharge outlet (1)	Debris is caught in the sealing mechanism or the rolling seal (2) is damaged	Perform #4 of the section above in “Maintenance (incl. replacing and cleaning the rolling seal assembly)”.
Threaded pipe connection is leaking	The nylon thread was compromised during installation	A double threaded nipple fitting for future use is recommended. Replace O-ring (14) and the base section (17).