

## COMBINATION AIR VALVE FOR WASTEWATER MODEL S-020

### INSTALLATION

Before installing the Model S-020 air valve, make sure to flush and drain the pipeline of all dirt and solids that may be in the line.

**Caution in the choice of tools:** Tools used for installation need to be compatible with the valve parts, especially the bolts, in order to protect the valve parts and coatings from damage.

**Installation of an isolating valve:** An isolating valve shall be installed under each air valve to enable the performance of periodic maintenance.

**Installation of a riser:** It is recommended to install the Model S-020 air valve on top of a riser. Diameter and height of the riser should be according to the following table.

$d=D$ for $D \leq 300$ mm. $d=0.6D$ for $300 \text{ mm} < D \leq 1500$ mm. $d \geq 0.35D$ for $D > 1500$ mm. $h \geq D/2$ and $h \geq 150$ mm.
---

**Manifold:** When the valves are installed on a manifold, the air valves should be installed only on a welded manifold. They should be installed with the Discharge Outlet/Drainage Elbow openings facing in opposite directions.

1. The wastewater air valve should be installed vertically on the upper portion of the pipe line.
2. An isolating valve should be installed underneath the air valve.
3. Do not turn separately the plastic head (1) of the air valve. To change the direction of drainage connecting, one must turn the whole valve or the upper cover, by loosening the screws (2) and turning the head at a  $90^\circ$  angle (turning the plastic head may damage the valve performance due to air escape).

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

1. Turn off riser shut off valve.
2. Open up pressure release valve located on the base of the S-020.
3. Remove valve from line only after ensuring that internal pressure in the valve has been released.

### PERIODIC MAINTENANCE

1. Shut the isolating valve underneath the air valve.
2. Open the drainage tap (3) and drain the air valve.
3. Open the 4 screws on top cover of air valve (2).
4. Pull out the mechanism. Wash the mechanism and the inside of the air valve.
5. Reassemble back the mechanism and tighten the screws ( $1/2''$ ) (2). Pay attention to correct placing of seal's O-Ring.
6. Close the drainage tap (3).
7. Reopen the isolating valve.

