

**1. Intended use**

**Medium:**

Potable water

**Max. operating pressure:**

150 psi / 10 bar

**Material:**

Stainless steel 316, plastic




**Product description:**

Due to the installation of the conversion kit into an air valve #986, the swimmer movement is calming down when valve is used on top of oxidizer tank or filter tank. The material will not wear out and work performance is optimized significantly (air valve gets into the mode to de-aerate continuously).

**2. Installation**





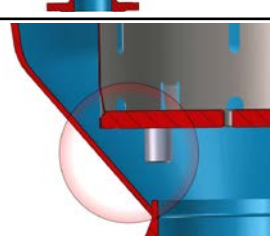
Check content of delivery and prepare the parts according the installation sequence. The use of correct tools and the hygienic caution during the installation is mandatory.


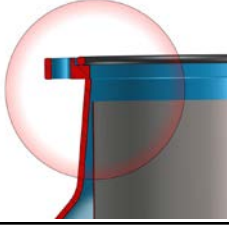



**Symbols:**

Special Attention!	
Careful control! Specific focus!	
Tighten with tool!	

**Applied tools:**

Open-end spanner, SW 13 2 x open-end spanner, SW 19	
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<ul style="list-style-type: none"> <li>Remove the existing function unit.</li> </ul>	
<ul style="list-style-type: none"> <li>Insert stainless steel tube into valve body.</li> </ul>	
<ul style="list-style-type: none"> <li>Insert stainless steel tube until the plastic feet reach the bottom of the valve body.</li> </ul>  	

<ul style="list-style-type: none"> <li>The stainless steel tube is shorter than the inner part of the body. Upper rim of the tube is lower than the sealing area!</li> </ul> 	
<ul style="list-style-type: none"> <li>Unscrew the swimmer from the original function unit and screw back again the swimmer without bottom.</li> <li>Tighten the swimmer with a counter nut!</li> </ul> 	
<ul style="list-style-type: none"> <li>Put the function unit into the body of the valve.</li> </ul>	
<ul style="list-style-type: none"> <li>Connect the upper flange to the body with bolts and nuts.</li> </ul>	

### 3. Service and Maintenance

The liability of the H-TEC automatic air and vacuum valve can be considerably increased by checking it for possible contamination at regular intervals. Make sure to isolate the automatic air release valve from the pipeline or tank before starting any maintenance work by closing the shut-off valve and to reduce any overpressure possibly existing in the air valve via the ball valve of the flushing line.

Due to its corrosion resistant materials the H-TEC automatic air and vacuum valve is well protected against deposits. Nevertheless, depending on the properties of the medium, the operability of the valve should be checked at regular intervals and possible contamination should be removed, especially in case of larger bodies of dirt that cannot be flushed out via the lateral connections.

### 4. Start-up and pressure testing

The automatic air and vacuum valve for oxidizer and filter tanks is designed for a maximum operating range of 150 PSI / 10 Bar. The valve function has been tested by the manufacturer at 250 PSI / 17.2 Bar.

Please, don't forget to put the valve back to service after the pressure test and to perform a leakage test at operating pressure (visual inspection)!