

Operating and Maintenance Instructions for Flood Protection for Automatic Air Valve Set Model 992FP



1. Intended use

Due to design reason the H-TEC Flood Protection, Model 992FP, is intended to be installed to the Automatic Air Valve Set, Model 992 only. The purpose of this device is the protection of the operating air release valve during times of flood.

Please note: an air valve must be maintained at least once per year, and even more frequently depending on the local conditions. Observe also the applicable standards and general regulations for the prevention of accidents. Automatic air release valves contain compressed air inside. Before maintaining an arv make shure that the valve is isolated from the operating system and depressurized!

2. Product description

Is an air release valve set installed in an area where flood from storm water, lakes or rivers can occur, this H-TEC Flood Protection unit prevent the air release valve from any contact to contaminated water.

3. Installation



1. Unscrew hexagon nut



2. Remove black cap



3. Loosen the screw



4. Take out spindle holder



5. Remove sealing caps on both sides



6. Place flood protection over standpipe without lid



7. Adjust horizontal outlet into final position



8. Screw down with an allen key to keep device in position



9. Close outlet fitting with plug



10. Place spindle holder into position



11. Screw down bolt until air valve start operation (noise of arv function)



12. Put lid onto device and operate clamping bolt



13. Connect Flood Protection with PE pipe watertight. Place PE pipe outlet acc.to the target hight.

4. Start-up and pressure testing

The automatic air valve set, model 992, is designed for a maximum operating range of 250 PSI / 17.2 Bar, i.e. a testing pressure up to 348 PSI / 24 Bar is permissible (leakage testing of body). The valve function has been tested by the manufacturer at 250 PSI / 17.2 Bar.

During pressure testing of the pipeline air valves must be put out of service, otherwise venting may be caused during pressure testing, leading to a pressure drop. 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)!

Shut-down is effected as described under item 3 „Dismantling of valve“. Start-up is effected in reverse order.

5. Service and maintenance

Observe the installation in periodical terms to assure no black water can enter into the potable water system via pipe outlet. Due to the fact that the drain plug seals the device from the bottom we do recommend look into the air valve set during inspection and pump out splash water from the body in case it will be recognized.