



OPERATING GUIDE

Crispin Sewer Air and Vacuum Valve

OPERATION

The CRISPIN Air and Vacuum Sewer Valve exhausts large volumes of air as the system is filling and permits air to enter the line when a vacuum is drawn.

The Air and Vacuum Sewer Valve permits the passage of a volume of air equal to the volume being displaced in the line as the system is filling. As the liquid enters the valve body, the float begins to rise until the valve is seated at the orifice. If a vacuum is drawn due to column separation, a break in the line, etc., the float drops away from the orifice to relieve the vacuum and prevent system damage.

The body of the valve is elongated with the float suspended near the inlet. This prevents solids from contaminating the seating area.

MAINTENANCE

Inspect seating area for leaks while the valve is in service. Replace seat when required by following the instructions below.

SEAT REPLACEMENT

Isolate or remove the valve from the system. The Air and Vacuum Valve Top, which secures the Buna-N-Seat in place, may be held fast by either one of the following: an interference pin may be placed through the threads, or the top is bolted to the top flange.

Once the top is removed, the Buna-N-Seat will be exposed and can be replaced, if necessary. The top is replaced after coating the threads with a suitable thread sealer. Turn the top into the flange threads until it is snug. Tighten the one-quarter turn further, being careful not to deform the seat. The bolted top may be securely bolted in place.

FLOAT REPLACEMENT

Isolate or remove the valve from the system. Remove all the top flange nuts and bolts from the valve. Lift the top flange and the attached internal components from the valve body. With the float exposed, unscrew it from the float rod and replace it with a new float. Reposition the top flange on the valve body, and replace the flange bolts.

* These valves are intended for use on municipal waste water systems or approved industrial applications.