S SERIES

Pressure Sewer Valve

Valve Function

- Exhausts air and gas accumulation to promote system performance and efficiency
- Helps prevent system shut downs

Features Include

- Standard, high capacity, and short body series available
- Optional Backflush attachment
- Available in sizes 2" thru 4"

All CRISPIN Air and Vacuum Valves have standard Buna-N seating material with a Shore durometer of 70-80. This standard seat allows drip tight closure beyond 4-5 PSIG. Occasionally, a gravity system operates at pressures less than 10 PSIG. These applications require a soft seating material which will prevent leakage down to 2 PSIG. This soft seating material should not be applied to systems with operating pressures greater than 50 PSIG, or high pressure leaks may occur around the seat.

Stainless Steel Trim Standard

Air can accumulate in a sewage collection system that is under pressure from a number of sources. The nature of sewage is such that gas can also be generated and accumulate at the high points in the system. The gas and air accumulation need to be exhausted to promote system performance and efficiency, and help prevent system shut downs.

The CRISPIN Pressure Sewer Air Release Valves provide a range of air release orifices through 1/2" in diameter. Correct valve sizing can be determined by referring to the sizing section of the CRISPIN Catalog.

The CRISPIN "standard capacity" Pressure Sewer Valve weighs only 49 lbs., as compared to the 93 lbs.weight of our standard high capacity series. The light body is designed for a maximum of 300 PSIG. cold water working pressure. The "standard capacity" Pressure Sewer Air Release Valves are available with two orifice sizes, as indicated below. Our "high capacity" Sewer Air Release Valves are supplied with standard stainless steel trim. The "high capacity" pressure sewer air release valves are available with the orifice sizes indicated on page 11 of this section, and are selected according to the operating pressure of the system. If the system dictates specific air release requirements, then the sewer valve should be sized and selected accordingly.

Standard Capacity Series

Model	Inlet NPT	Orifice	Height	Height w/Back Flush*	Width	Width w/Back Flush*	Wt.	Wt. w/Back Flush*
SL20*	2"	1/4" @ 150 psi	21 1/2"	25 1/4"	9 11/16"	11 1/4"	49	60
SL30*	3"		21 1/2"	27 1/4"	9 11/16"	11 1/4"	49	66
SL40*	4"	1/8" @ 300 psi	21 1/2"	27 5/8"	9 11/16"	11 1/4"	49	78

** Add a "B" to the end of model number if a backflush attachment is required.*

Working Pressure

ORIFICE DIAMETER	MAX. WORKING PRESSURE
1/2"	150 lbs.
7/16"	200 lbs.
3/8"	250 lbs.
1/4"	300 lbs.

**Other Working Pressures May Be Obtained By Re-sizing Orifice Diameter.*