

AIR & VACUUM SEWER VALVES



Air and Vacuum Sewer Valves permit a large volume of air to be released from a pipeline when it is filling. It also allows air into a system when draining. Incorporating the integrity of a rigid steel plug valve to seal off the outlet orifice, the body is elongated to prevent solids from collecting near the top valve mechanism, which could inhibit operation. The design also ensures that damage to the seating area is much less likely to occur in surge conditions. The valve plug is protected from a rush of air by a stainless steel baffle, which provides rigid support for the float guide bushing while allowing the float rod enough clearance for self seating operation

Solids which settle near the bottom of the valve are flushed out of the lower blow-off valve with an optional backflush attachment that includes an isolation ball valve, two 1" blow-off valves and five feet of 1" hose with quick disconnect attachments. Where height restrictions do not permit the use of the standard height valve, a short body Air & Vacuum or Pressure Air Release valve can be supplied. Their function is identical to the standard Sewer Valves except that they operate in a shorter body.

The SL(A) Series is intended for standard capacity lines, and features an inlet size of 2" with a 1" discharge outlet. The S(A) Series is intended for high capacity lines, with 2" thru 10" inlet sizes and corresponding outlet sizes.

All Crispin Air and Vacuum Sewer Valves are designed for a maximum cold water working pressure of 300 PSIG. Buna-N seating with a Shore durometer of 70-80 is standard, allowing for a 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 that 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.

Any combination of the Sewer Air and Vacuum Valve and Sewer Pressure Air Release Valve can be made with the appropriate piping arrangements to accommodate a specific application.

S(A) & SL(A) SERIES ADVANTAGES

- ✓ Offers Air Release function on system start-up, and Vacuum Relief on shut-down
- ✓ AWWA C512 Compliant
- ✓ 300 PSIG Cold Water Working Pressure
- ✓ Drip Tight Closure Beyond 4-5 PSIG

S(A) & SL(A) SERIES OPTIONS

- ✓ Both NPT Screwed and ANSI Flanges Available
- ✓ Available in AIS, BA, BAN and BB Configurations
- ✓ Fusion Bonded Epoxy
- ✓ Cast Iron or Ductile Iron Body
- ✓ 3 Pressure Ranges Offered
- ✓ Backflush Attachment



PRODUCT LINE	DATE	REVISION
SL(A) & S(A) Air & Vacuum Sewer Valves	1/19/2024	0
SHEET	DOC. NO.	
SL(A) and S(A) Series Design Features	D-AV-SLA-SA-DF-r0	