

AL SERIES AIR & VACUUM VALVE



The Crispin Air and Vacuum Unit, with its orifice the same diameter as its inlet, allows large quantities of air to be vented from systems being filled with liquid. The same holds true in reverse for vacuum conditions when the system is drained.

Its design is such that the velocity of air passing through the valve will not blow the float shut at normal design volumes. It will not close until the arrival of liquid in the valve, and will not open to vent accumulating air as long as the system is under pressure and in operation.

Air and Vacuum Valves are available with stainless steel floats and either a standard top or protectop in sizes up to and including 24." All Crispin Air and Vacuum Valves also have guides which direct the float onto the seat upon closure. These guides are peripheral to the float, and fixed to the body or the cup and hanger assembly.

This peripheral guide system allows unobstructed closure because there are no guide bushings to collect dirt and then bind, and there are no shafts to bend or deform, which would prevent a drip tight seal.

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, however, 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.

All Crispin valves are designed for a working pressure of 300 PSIG.

AL SERIES ADVANTAGES

- ✓ Available in Sizes 1/2"-24"
- ✓ AWWA C512 Compliant
- ✓ NSF 61 and NSF 372 Certified
- ✓ Vents large quantities of air from systems being filled with liquid.
- ✓ Features Vacuum Function
- ✓ Peripheral Guide System for unobstructed closure
- ✓ Drip-tight closure
- ✓ Buna-N Seating Standard

AL SERIES OPTIONS

- ✓ Both NPT Screwed and ANSI Flanges Available
- ✓ Available in AIS, BA, BAN and BB Configurations
- ✓ Fusion Bonded Epoxy
- ✓ 304 or 316 Stainless Steel Trim
- ✓ 3 Pressure Ranges Offered



PRODUCT LINE AL SERIES AIR & VACUUM VALVE, 1/2"-24"	DATE 10/17/2023	REVISION 0
SHEET Design Features & Options	DOC. NO. D-AV-AL-DF-OPTIONS-r0	