

# DL SERIES DEEP WELL AIR VALVE



The Crispin Deep Well Air Valve, with its fully adjustable, in-the-field exhaust control, is designed to vent air from the pump column at the discharge point ahead of the check or control valve. The air flow is controlled by screwing down the stem on the Deep Well top to a point where the float ceases to flutter. In the event of excessive water spillage or slamming of the float into its seat, further adjustment may be necessary. After the correct setting has been found, the lock nut is tightened.

Crispin Valve provides the same unique design in the Deep Well Valve as with its Air and Vacuum Valve. That is, the float is peripherally guided to the seat, which permits the float to self center and tightly seal the orifice. 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 cold water working pressure of 300 PSIG, and are tested to 150% of their maximum working pressure. The DL Series is available in sizes 1/2" thru 6", and all sizes are available with a screwed discharge connection. Where pipe line water velocities exceed 10 feet per second, a Crispin SC Series Surge Check Valve should be applied instead of a DL Deep Well Series. These are available in sizes 3" through 16." (Please see Crispin's Surge Check Brochure, AL/ SC Series.)

## DL SERIES ADVANTAGES

- ✓ Available in Sizes 1/2"-6"
- ✓ AWWA C512 Compliant
- ✓ NSF 61 and NSF 372 Certified
- ✓ Fully Adjustable Exhaust Control
- ✓ Prevents Chatter and Premature Closure
- ✓ Peripheral Guide System for Unobstructed Closure
- ✓ Drip Tight Closure Beyond 4-5 PSIG

## DL 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
- ✓ Stainless Steel or Bronze Trim



PRODUCT LINE	DATE	REVISION
DL SERIES DEEP WELL AIR & VACUUM VALVE	12/1/2023	0
SHEET	DOC. NO.	
DL Series Air & Vacuum Valve Design Features	D-AV-DL-DF-r0	