

C SERIES COMBINATION VALVES

The Ideal Choice When Both Air & Vacuum and Pressure Valves Are Needed

C SERIES ADVANTAGES

- ✓ **Single Unit Integrity in the Field**
- ✓ **Meets AWWA C512 Requirements**
- ✓ **Designed for a Cold Water Working Pressure of 300 PSI**
For pressures above 300 PSI, Steel, Stainless Steel, or Ductile Iron may be used.
- ✓ **Standard Operating Pressure Rating of 20-150 PSI**



C SERIES OPTIONS

- ✓ **NPT and ANSI Class 125 and Class 250 Flanging Available**
- ✓ **Cast Iron or Ductile Iron Bodies Available**
- ✓ **Optional 2 Part High Solids Epoxy Coating**
- ✓ **AIS, Buy America Act, Buy American Act, and Build America Buy America Act Configurations Available**
- ✓ **Additional Operating Pressure Ratings of 2-40 PSI (low) and 151-300 PSI (high) Available**
- ✓ **Optional Protectop to Prevent Debris from Entering the Air & Vacuum Outlet**

The Crispin Combination Air Valve is a combination of an Air and Vacuum Unit and a Pressure Unit, designed with single unit integrity when both types of valves are required at one point. They are generally installed at the high points in a system, or at the point selected by the project engineer. The unit discharges the surge of air from an empty line when filling, and relieves the vacuum when draining, while also releasing accumulations of air when the system is under pressure.

The Air and Vacuum unit operates the same as Crispin's standard Air and Vacuum Valve. It releases a large quantity of air during the filling of the pipeline, and also permits a large quantity of air to re-enter the pipeline to break the vacuum, and eliminate any danger of collapse if the liquid suddenly leaves the pipeline. The pressure unit operates independently and releases small accumulations of air that may collect while the line is in operation and under pressure. Thus, each valve of the combination operates as a separate unit, while maintaining the advantages of a single body casting.



PRODUCT LINE	DATE	REVISION
C Series Combo. Air Release Valves, 1/2"-24	8/30/2023	0
SHEET	DOC. NO.	
C Series Design Features	D-AV-C-DF-OPTIONS-r0	