

# Specification: UL Series Universal Air Release Valve, 1"-4", AWWA C512

## CRISPIN UL SERIES SPECIFICATIONS BY SIZE

### 1" UL SERIES SPECIFICATION

The valve(s) shall be installed at the high points in the system or at points selected by the engineer. This will permit discharging the surge of air from an empty line when filling, and relieve the vacuum when draining the system. The valve(s) shall also release an accumulation of air when the system is under pressure. This shall be accomplished in a single valve body.

The valve(s) shall operate through a compound lever system which will seal both the pressure orifice and the air and vacuum orifice simultaneously. This lever system shall permit a \_\_\_\_\_" orifice to release an accumulation of air from the valve body at a capacity of \_\_\_\_\_ SCFM of air and pressure of \_\_\_\_\_ PSIG.

The function of the lever system shall also permit a positive disengagement of the main valve from the large orifice, as the float drops and pressure decreases. The disengagement shall be immediate and not limited to the initial draw of a vacuum.

The valve(s) shall be Crispin Model \_\_\_\_\_ Universal Air Valve as manufactured by Crispin-Multiplex Manufacturing Co., Berwick, PA. The valve(s) shall be \_\_\_\_\_" NPT screwed or ANSI Class (125, 250) flanged inlet connection, and shall have a cast iron body, top and inlet flange (where required), stainless steel float and trim with Buna-N seat. Valves which operate the pressure plunger via a single lever and fulcrum will not be acceptable.

Option: A protectop will be supplied to prevent debris from entering the outlet of the valve.

Option: (Where pressures are greater than 300 PSIG), the valve(s) shall be ANSI Class \_\_\_\_\_ flanged inlet connection, and shall have a (steel, stainless steel, or ductile iron) body, top and inlet flange.

Standard operating pressure for Crispin Air Valves is 20 to 150 PSIG. Please check one of the following if your operating needs differ:  
\_\_\_\_ 2 to 40 PSIG \_\_\_\_ 151 to 300 PSIG

### 2" UL SERIES SPECIFICATION

The valve(s) shall be installed at the high points in the system or at points selected by the engineer. This will permit discharging the surge of air from an empty line when filling, and relieve the vacuum when draining the system. The valve(s) shall also release an accumulation of air when the system is under pressure. This shall be accomplished in a single valve body.

The valve(s) shall operate through a compound lever system which will seal both the pressure orifice and the air and vacuum orifice simultaneously. This lever system shall permit a \_\_\_\_\_" orifice to release an accumulation of air from the valve body at a capacity of \_\_\_\_\_ SCFM of air and pressure of \_\_\_\_\_ PSIG.

The function of the lever system shall also permit a positive disengagement of the main valve from the large orifice, as the float drops and pressure decreases. The disengagement shall be immediate and not limited to the initial draw of a vacuum.

The valve(s) shall be Crispin Model \_\_\_\_\_ Universal Air Valve as manufactured by Crispin-Multiplex Manufacturing Co., Berwick, PA. The valve(s) shall be \_\_\_\_\_" NPT screwed or ANSI Class (125, 250) flanged inlet connection, and shall have a cast iron body, top and inlet flange (where required), stainless steel float and trim with Buna-N seat. Valves which operate the pressure plunger via a single lever and fulcrum will not be acceptable.

Option: A protectop will be supplied to prevent debris from entering the outlet of the valve.

Option: (Where pressures are greater than 300 PSIG), the valve(s) shall be ANSI Class \_\_\_\_\_ flanged inlet connection, and shall have a (steel, stainless steel, or ductile iron) body, top and inlet flange. All Crispin valves are hydrostatically tested at 150% of their maximum working pressure. Standard operating pressure for Crispin Air Valves is 20 to 150 PSIG. Please check one of the following if your operating needs differ:  
\_\_\_\_ 2 to 40 PSIG \_\_\_\_ 151 to 300 PSIG

### 3"-4" UL SERIES SPECIFICATION

The valve(s) shall be installed at the high points in the system or at points selected by the engineer. This will permit discharging the surge of air from an empty line when filling, and relieve the vacuum when draining the system. The valve(s) shall also release an accumulation of air when the system is under pressure. This shall be accomplished in a single valve body.

The valve(s) shall operate through a compound lever system which will seal both the pressure orifice and the air and vacuum orifice simultaneously. This lever system shall permit a \_\_\_\_\_" orifice to release an accumulation of air from the valve body at a capacity of \_\_\_\_\_ SCFM of air and pressure of \_\_\_\_\_ PSIG.

The function of the lever system shall also permit a positive disengagement of the main valve from the large orifice, as the float drops and pressure decreases. The disengagement shall be immediate and not limited to the initial draw of a vacuum.

The valve(s) shall be Crispin Model \_\_\_\_\_ Universal Air Valve as manufactured by Crispin-Multiplex Manufacturing Co., Berwick, PA. The valve(s) shall be \_\_\_\_\_" NPT screwed or ANSI Class (125, 250) flanged inlet connection, and shall have a cast iron body, top and inlet flange (where required), stainless steel float and trim with Buna-N seat. Valves which operate the pressure plunger via a single lever and fulcrum will not be acceptable.

Option: A protectop will be supplied to prevent debris from entering the outlet of the valve.

Option: (Where pressures are greater than 300 PSIG), the valve(s) shall be ANSI Class \_\_\_\_\_ flanged inlet connection, and shall have a (steel, stainless steel, or ductile iron) body, top and inlet flange.

Standard operating pressure for Crispin Air Valves is 20 to 150 PSIG. Please check one of the following if your operating needs differ:  
\_\_\_\_ 2 to 40 PSIG \_\_\_\_ 151 to 300 PSIG



PRODUCT LINE	DATE	REVISION
UL Series Universal Air Release Valve, 1"-4"	6/6/2023	0
SHEET	DOC. NO.	
Specification	D-AV-UL-SPEC-r0	