Submittal Sheet for Crispin US Series

2”–6” Universal Sewer Valve (high)

Manufactured in compliance with ANSI/AWWA C512 Date: 2016

SUBMITTAL SHEET FOR US SERIES

Specifications

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 accomplished in a single valve body.

The valve shall operate through a compound lever system that 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 at a pressure of _____ PSIG.

The valve body shall be cast iron. The internal linkage and float shall be stainless steel. The valve(s) shall be Crispin Model _____ Universal Sewer Air Valve, as manufactured by Crispin-Multiplex Manufacturing Co., Berwick, PA. The valve(s) shall be _____” NPT screwed as ANSI Class (125, 250) flanged inlet connection. Valves which operate with the Air and Vacuum Valve disc held in a cradle with slots through which the air must flow will not be acceptable.

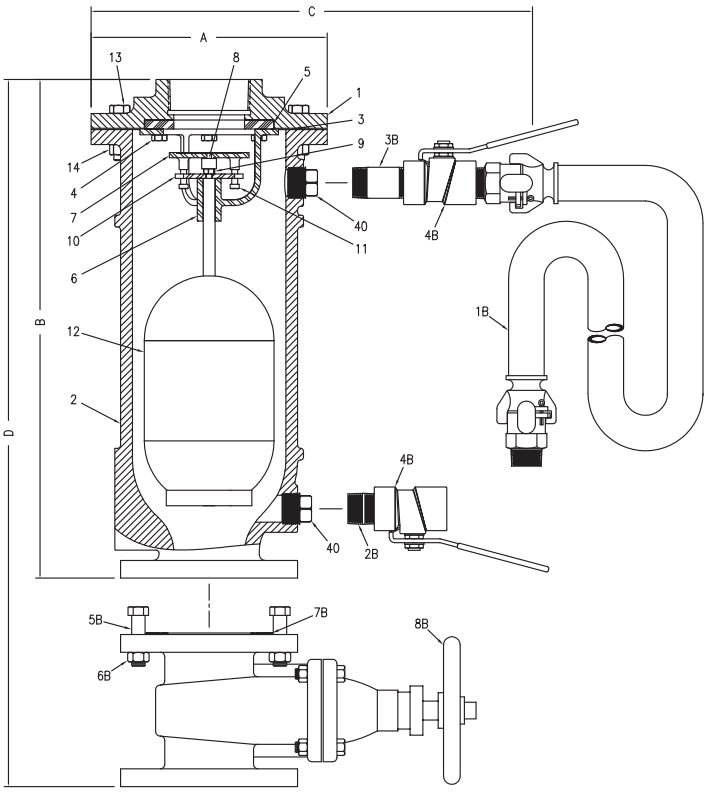
Option: A protectop shall be supplied to prevent dirt and debris from entering the outlet of the valve.

Option: The valves shall be supplied with backflushing attachments so that the interior body can be flushed periodically for proper operation.

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

Parts List

ITEM	DESCRIPTION	MATERIAL	ASTM
1	COVER	CAST IRON	A126 CL.B
2	BODY	CAST IRON	A126 CL.B
3	COVER GASKET	BUNA-N RUBBER	D2000
4	SEAT RETAINER BOLT	STAINLESS STEEL	A193
5	SEAT	BUNA-N RUBBER	D2000
6	FLOAT GUIDE PLATE	STAINLESS STEEL	A351-CF8M
7	VALVE ASSEMBLY	STAINLESS STEEL	A351-CF8M
8	PLUNGER ASSEMBLY	BUNA-N RUBBER & S/S	D2000/A193
9	PLUNGER NUT	STAINLESS STEEL	A194
10	VALVE GUIDE PLATE	STAINLESS STEEL	A240
11	SHOULDER BOLT	STAINLESS STEEL	A193
12	FLOAT ASSEMBLY	STAINLESS STEEL	A276/240
13	COVER BOLT	STAINLESS STEEL	A193
14	COVER NUT	STAINLESS STEEL	A194
*40	FLUSH PLUG	BRASS	N/A=



Size Specifications

MODEL	INLET SIZE	OUTLET SIZE	A	B	C	D	WHT.
US30	3” NPT	3” NPT	10.00	21.25			89
US30B	3” NPT	3” NPT			15.25	28.75	116
US31	3” 125# FLG	3” NPT	10.00	21.25			94
US31B	3” 125# FLG	3” NPT			15.25	29.25	115
US40	4” NPT	4” NPT	11.50	22.00			113
US40B	4” NPT	4” NPT			17.25	32.35	158
US41	4” 125# FLG	4” NPT	11.50	22.00			120
US41B	4” 125# FLG	4” NPT			17.25	32.50	147
US61	6” 125# FLG	6” NPT	14.50	25.50			195
US61B	6” 125# FLG	6” NPT			19.25	36.00	339

Orifice Options

DIAMETER	MAX. PRESSURE	FLOW RATE
1/4	150 PSIG	98 SCFM
1/8	300 PSIG	46.7 SCFM

OPTIONAL BACK FLUSH COMPONENTS

ITEM	DESCRIPTION	MATERIAL	ASTM
*1B	HOSE ASSEMBLY	RUBBER & CAD PLT STEEL	N/A
*2B	NIPPLE	STEEL	A53
*3B	NIPPLE	STEEL	A53
*4B	BALL VALVE	BRASS	N/A
*5B	BOLT	STEEL	A307
*6B	NUT	STEEL	A563
*7B	GASKET	ARMSTRONG N-8092	N/A
*8B	GATE VALVE	BRASS	N/A

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