

Figures 955SS, 955SSF Durovent™ Dual Body Sewage Combination Air Valves

Description

GA Industries Figure 955SS Dual Body Combination Air Valves consist of a Figure 935SS Air & Vacuum Valve and a Figure 925SS Air Release Valve piped together into an assembly. The Figure 935SS vents air and gas during forcemain filling and admits air during draining while residual air and gas are released during operation through the Figure 925SS.

Whether due to the fluid itself or ambient conditions, Durovent® Wastewater Air Valves provide the ultimate in corrosion resistance since the body, cover, float, internal linkage, external fasteners and pipe plugs are all made from Type 316 stainless steel.

Figure 955SSL provides a larger orifice for faster release of residual air and gas on systems operating at 75 PSI or lower.

Figure 955SSF includes optional “back flushing attachments” to facilitate cleaning sludge and debris from the valve

Data Sheet 955SS.01A



Product Features

- Elongated body to minimize clogging due to solids
- Full size large orifice for maximum air outflow and inflow rates
- Heavy duty and corrosion resistant cast Type 316 stainless steel construction
- Tight sealing and easily replaceable rubber seat
- 2" NPT plugged side port allows removal of large debris
- Inlet isolating ball valves standard

Standard Materials

- Body & Cover Stainless Steel, Type 316
- Float Stainless Steel, Type 316
- Internal Linkage Stainless Steel, Type 316
- Replaceable Seat Buna-N
- Connecting Piping Stainless Steel, Type 316
- Isolating Valves Stainless Steel, Type 316
- External Fasteners Stainless Steel, Type 316

Approvals & Certifications

- Complies with AWWA Standard C512

Options/Accessories

- Option BA Build America/Buy America (BABA) and American Iron and Steel (AIS) Compliant
- Option FA 316SS Backflush Attachments – inlet isolating valve, ½" flushing valve, 1" blow off valve, quick connect couplings and 5 ft. rubber hose
- Option IV Inlet Isolating Valve – lever operated 316SS ball valve (included with backflush attachments)
- Option US American Iron and Steel (AIS) Compliant

Ordering Data

- Figure Number (955SS, 955SSF, 955SSL or 955SSLF)
- Size
- Options/Accessories

Non-Shock Working Water Pressure at up to 150F (66C)						
Figure Number	955SSL, 955SSLF			955SS, 955SSF		
Size	2" x 1"	2"	3" x 2"	2" x 1"	2"	3" x 2"
Inlet Connection	2" NPT	2" NPT	3" NPT	2" NPT	2" NPT	3" NPT
Outlet Size	1" NPT	2" NPT	2" NPT	1" NPT	2" NPT	2" NPT
Air Release Orifice Diameter	0.313			0.188"		
Working Pressure	10 – 75 PSI			10 – 150 PSI		
Pressure Rating	200 PSI			200 PSI		
Hydro Test	300 PSI			300 PSI		

Data Sheet 955SS.01A

Air Vacuum Orifice

Pressure at Valve Inlet	Air OUTFLOW Rate, Standard Cubic Feet/Min (SCFM)		
	2" x 1"	2"	3" x 2"
1 PSI	78	279	279
2 PSI	114	407	407
3 PSI	144	513	513
4 PSI	171	609	609
5 PSI	196	699	699

Value is rate at which air is vented from pipeline/system during filling at valve inlet pressures shown. Inlet pressure during filling should not exceed 2 PSI.

Air Vacuum Orifice

Pressure at Valve Inlet	Air INFLOW Rate, Standard Cubic Feet/Min (SCFM)		
	2" x 1"	2"	3" x 2"
1 PSI	79	318	318
2 PSI	112	451	451
3 PSI	138	552	552
4 PSI	159	637	637
5 PSI	178	713	713

Value is rate at which air is drawn into the valve at negative pipeline/system pressure shown. Multiply SCFM air inflow rate x 7.48 to convert to equivalent pipeline/system liquid draining rate in USGPM.

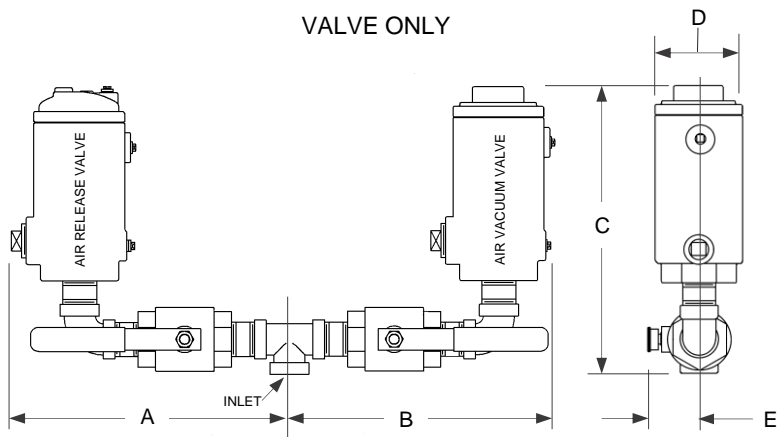
Air Release Orifice

Pressure At Valve Inlet	Air Venting Rate, Standard Cubic Feet/Min (SCFM)	
	Figure 955SSL	Figure 955SS
10 PSI	24.3	8.7
15 PSI	29.4	10.6
25 PSI	39.3	14.1
50 PSI	64.0	23.1
75 PSI	88.8	32.0
100 PSI		40.9
150 PSI		58.7

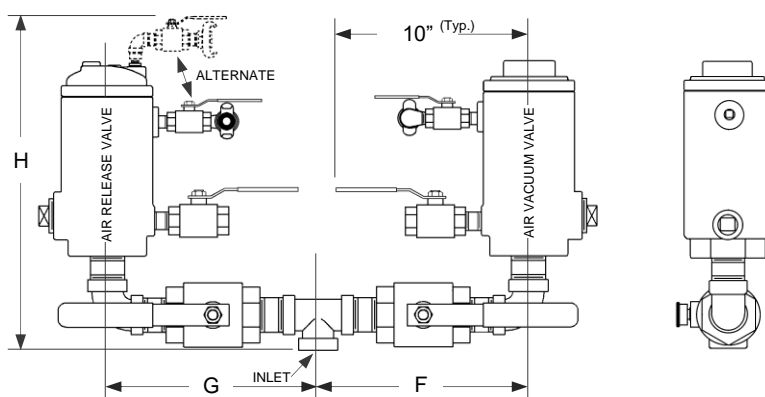
Valve Weight

SIZE (Inlet x Outlet)	2" X 1"	2" x 2"
Valve Weight	110	110
Add for Backflush Attachments	15	15

VALVE ONLY



VALVE WITH BACKFLUSH ATTACHMENTS



Installation Dimensions

SIZE (Inlet x Outlet)	2" X 1"	2" x 2"	3" X 2"
A	15½	15½	18½
B	15½	15½	20½
C	26	26	28
D	6½	6½	6½
E	3½	3½	4½
F	11	11	16
G	11	11	14
H	30	30	32
Assembly Weight	110	110	140
Add for Backflush Attachments	15	15	15

Dimensions in inches, weight in pounds.
All dimensions and weights are approximate. If critical request certified drawings