

# Figures 955-T, 955L-T, 955F-T, 955LF-T Dual Body Combination Air Valves for Sewage/Wastewater

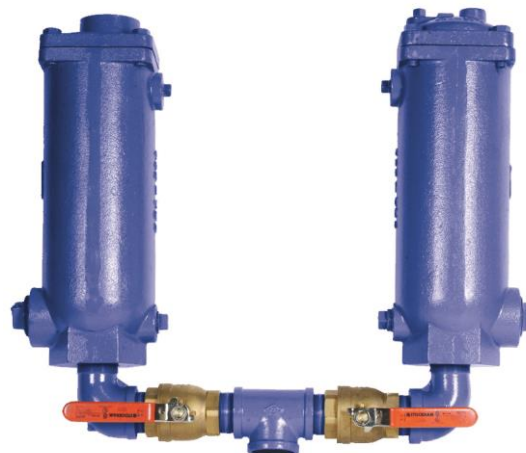
## Description

GA Industries Figures 955-T Combination Air Valves are “triple function” valves and consist of an air release valve factory piped to an air & vacuum valve. They vent air from pipelines and systems as they are being filled with water and then close tight once the system is full and pressurized. They also release air that accumulates in the valve while the system is operational. And, they automatically open to admit air to limit vacuum formation when the pipeline or system is drained and/or a negative pressure occurs in the valve.

The Figure 955 consists of a Figure 925 air release valve and a Figure 935 air & vacuum valve factory piped together with a single connection to the forcemain.

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

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



## Product Features

- Full port large orifice for maximum air outflow and inflow
- Individual valve isolating ball valves
- Rugged cast iron bodies and covers
- Corrosion resistant Type 316 stainless steel floats
- Tight sealing and easily replaceable rubber seats

## Standard Materials

- Bodies & Covers Cast Iron, ASTM A126 Class B
- Floats Stainless Steel, Type 316
- Internal Linkage Stainless Steel, Type 316
- Replaceable Seat Buna-N Rubber
- External Fasteners Steel, A307, Zinc Plated

## Corrosion Protection

- Standard: Uncoated internal, external enamel primer, 2 mil DFT
- Optional See Option P2

## Approvals & Certifications

- Complies with AWWA Standard C512

## Options/Accessories

- Option P2 316 Stainless Steel external fasteners and internal/external Carboline 891 NSF-61 certified 2-part epoxy, 6 mil DFT

## Ordering Data

- Figure Number (955-T, 955L-T, 955F-T, 955LF-T)
- Size
- Options/Accessories

Non-Shock Working Water Pressure at up to 150F (66C)								
Figure Number	955L-T, 955LF-T				955-T, 955F-T			
Size	2" x 1"	2"	3" x 2"	3"	2" x 1"	2"	3" x 2"	3"
Inlet Connection	2" NPT	2" NPT	3" NPT	3" NPT	2" NPT	2" NPT	3" NPT	3" NPT
Outlet Size	1" NPT	2" NPT	2" NPT	3" NPT	1" NPT	2" NPT	2" NPT	3" 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			

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## Data Sheet 955.01C

### Air Vacuum Orifice

Pressure at Valve Inlet	Air OUTFLOW Rate, Standard Cubic Feet/Min (SCFM)			
	2" x 1"	2"	3" x 2"	3"
1 PSI	78.5	314	314	707
2 PSI	111	444	444	1000
3 PSI	136	544	544	1220
4 PSI	157	628	628	1410
5 PSI	176	703	703	1580

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.

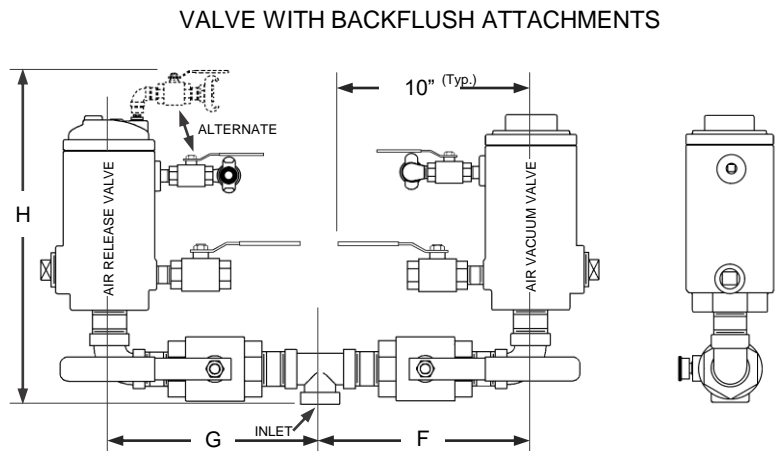
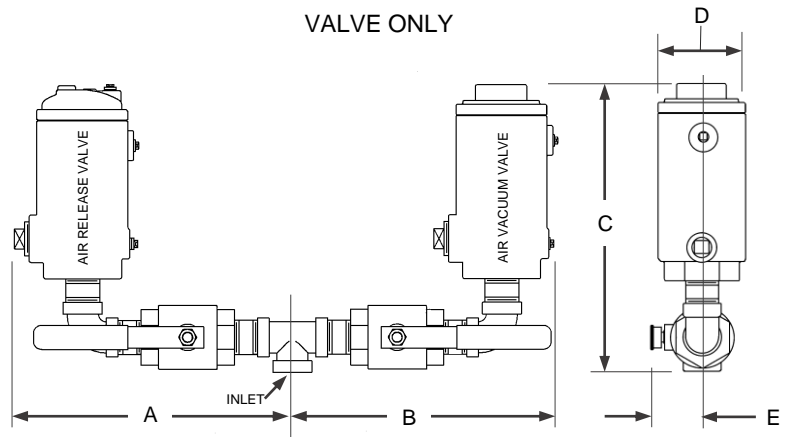
### Air Vacuum Orifice

Pressure at Valve Inlet	Air INFLOW Rate, Standard Cubic Feet/Min (SCFM)			
	2" x 1"	2"	3" x 2"	3"
1 PSI	80	320	320	721
2 PSI	113	453	453	1020
3 PSI	138	555	555	1250
4 PSI	160	641	641	1440
5 PSI	179	716	716	1610

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 955L-T	Figure 955-T
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



### Installation Dimensions

SIZE (Inlet x Outlet)	2" X 1"	2" x 2"	3" X 2"	3" x 3"
A	15½	15½	18½	18½
B	15½	15½	20½	20½
C	26	26	28	28
D	6½	6½	6½	9½
E	3½	3½	4½	4½
F	11	11	16	16
G	11	11	14	14
H	30	30	32	32
Assembly Weight	110	110	140	250
Add for Backflush Attachments	15	15	15	15

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