

Figures 923, 923-D, 923H and 923H-U Super High-Capacity Air Release Valve

2" to 4" For Clean Water

Description

GA Industries Figure 923 automatically and efficiently release air that has collected in the valve while under pressure and operational. Typically installed at high points where air naturally collects, the valve opens when sufficient air has accumulated in the valve and closes tightly after the air has been expelled.

These "super high capacity" valves have a very large venting orifice and can release air at a much higher rate than other such valves. They are recommended for very high flow systems or hat that are heavily air laden where the necessary air venting rate exceeds that of a standard valve.

Product Features

- Rugged iron body and cover
- Compound lever design allows larger venting orifice and higher venting rate
- Corrosion resistant Type 316 stainless steel float and internal mechanism
- Tight sealing and easily replaceable rubber seat
- 2" NPT plugged port to facilitate removal of large debris

Standard Materials

- Body & Cover Cast Iron, ASTM A126 Class B
- Float Stainless Steel, Type 316
- Internal Linkage Stainless Steel, Type 316
- Replaceable Seat Buna-N
- External Fasteners Steel, A307, Zinc Plated
- Coating Internal and External NSF-61 Certified Epoxy

Approvals & Certifications

- Complies with AWWA Standard C512



Options/Accessories

- Option IV Inlet Isolating Valve – lever operated bronze ball valve (NPT Inlet) or AWWA butterfly valve (Class 125 flanged inlet)
- Option SE 316 Stainless Steel External Fasteners
- Option VC: Vacuum Check – prevents air re-entry if internal pressure falls below atmospheric

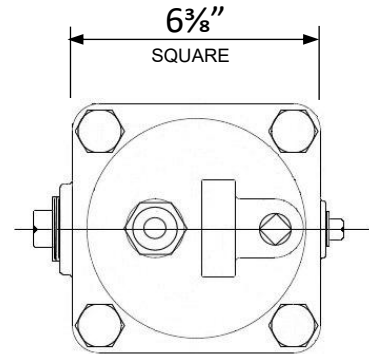
Ordering Data

- Figure Number (923, 923H, 923-D or 923H-D)
- Size
- Options/Accessories

Non-Shock Working Water Pressure at up to 150F (66C)					
Figure Nos.	923	923H	923-D	923H-D	923H-U
Inlet Size	2" or 3"		4"		
Inlet Connection	NPT		CL125 Flange		Class 250 Flange
Outlet Connection	1" NPT		1" NPT		
Orifice Diameter	0.500"	0.344"	0.500"	0.344"	
Working Pressure	10-150 PSI	10-300 PSI	10-150 PSI	10-200 PSI	10-300 PSI
Pressure Rating	300 PSI				
Hydro Test	450 PSI				
Weight	61 lbs.		76 lbs.		82 lbs.

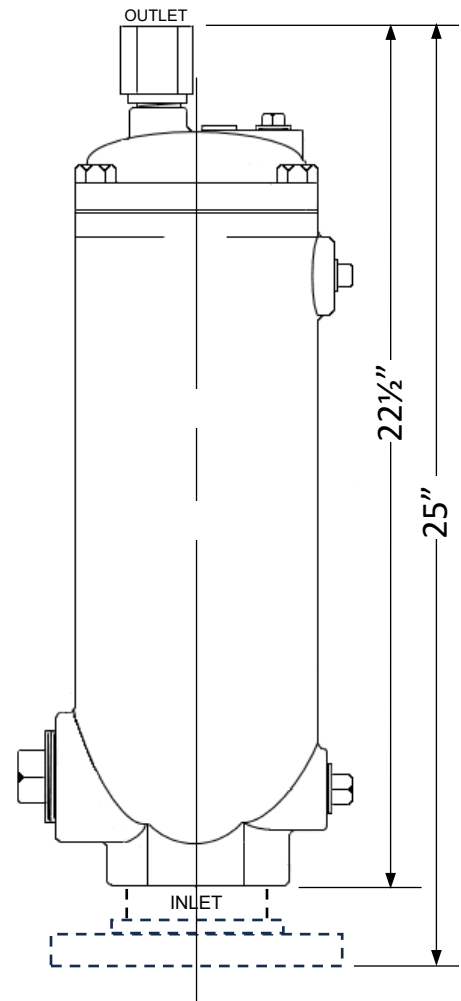
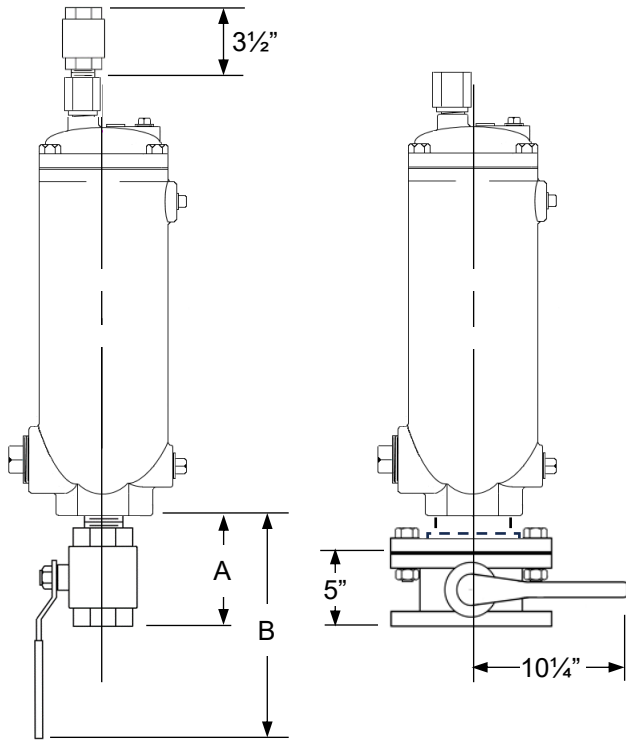
Data Sheet 923.01B

Pressure At Valve Inlet	Air Venting Rate, Standard Cubic Feet/Min (SCFM)			
	Figure 923	Figure 923H	Figure 923H-D	Figure 923H-U
10 PSI	62.1	26.8	26.8	26.8
15 PSI	75.2	34.0	34.0	34.0
25 PSI	100.6	46.9	46.9	46.9
50 PSI	163.9	77.0	77.0	77.0
75 PSI	227.3	106.8	106.8	106.8
100 PSI	288.8	136.5	136.5	136.5
150 PSI	414.7	196.0	196.0	196.0
200 PSI		255.5	255.5	255.5
300 PSI		374.6		374.6



VACUUM CHECK and/or INLET ISOLATING BALL VALVE

4" With INLET ISOLATING BUTTERFLY VALVE



CONNECTION SIZE	2"	3"	4"
A	5"	8"	N/A
B	8"	5"	N/A
Add for Vacuum Check	1 lb.	1 lb.	1 lb.
Add for Inlet Isolating Valve	2 lbs.	8 lbs.	39 lbs.

All dimensions and weights are approximate. If critical request certified drawings