

Figure 930

Air & Vacuum Valve for Clean Water

Description

GA Industries Figures 930-T Air & Vacuum Valves efficiently 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 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.

Figure 930-T Air & Vacuum Valves are typically installed at system high points where air naturally rises during filling and vacuum first forms during draining.

The valve only has one moving part, and its simple construction ensures dependable, long-term operation.

Product Features

- Compact and light weight
- Full port orifice for maximum air outflow and inflow
- Utilizes “kinetic” operating principle, designed not to blow shut
- Rugged iron body and cover
- Corrosion resistant Type 316 stainless steel float
- Tight sealing and easily replaceable rubber seat

Standard Materials

- Body & Cover Cast Iron, ASTM A126 Class B
- Float Stainless Steel, Type 316
- Replaceable Seat Buna-N
- External Fasteners Steel, A307, Zinc Plated
- Coating Internal and External NSF-61/600 Certified Epoxy



Approvals & Certifications

- Complies with AWWA Standard C512

Options/Accessories

- Option IV Inlet Isolating Valve – lever operated lead-free bronze ball valve
- Option OC Outlet cowl in lieu of standard NPT outlet
- Option SE 316 stainless steel external fastener

Ordering Data

- Figure Number
- Size
- Options/Accessories

Non-Shock Working Water Pressure at up to 150F (66C)	
Figure No.	930
Pipeline Connection	NPT
Inlet Size Range	½" to 3"
Standard Outlet	NPT
Outlet Size	Same as Inlet
Working Pressure	10-300 PSI
Pressure Rating	300 PSI
Hydro Test	450 PSI

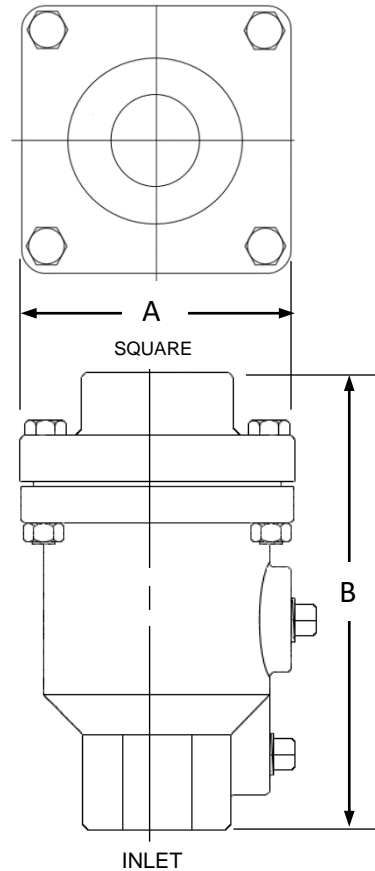
Data Sheet 930.01E

Pressure at Valve Inlet	Air Outflow Rate, Standard Cubic Feet/Min (SCFM)				
	1/2"	3/4"	1"	2"	3"
1 PSI	19.6	44.2	78.5	314	707
2 PSI	27.8	62.5	111	444	1000
3 PSI	34.0	76.5	136	544	1220
4 PSI	39.3	88.4	157	628	1410
5 PSI	43.9	98.8	176	703	1580
7 PSI	52.0	117	208	831	1870
10 PSI	62.1	140	248	994	2240
15 PSI	75.2	169	304	1217	2740

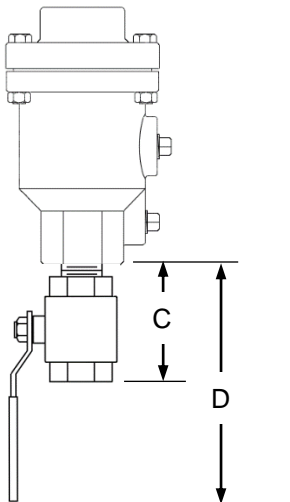
Value is rate at which air is vented from pipeline/system during filling at valve inlet pressures shown. Inlet pressure during filling should not exceed 5 PSI. Multiply SCFM air venting rate x 7.48 to convert to equivalent pipeline/system liquid filling rate in USGPM.

Pressure at Valve Inlet	Air Inflow Rate, Standard Cubic Feet/Min (SCFM)				
	1/2"	3/4"	1"	2"	3"
-1 PSIG	20.0	45.2	80	320	721
-2 PSIG	28.3	63.9	113	453	1020
-3 PSIG	34.7	78.3	138	555	1250
-4 PSIG	40.1	90.4	160	641	1440
-5 PSIG	44.9	101	179	716	1610

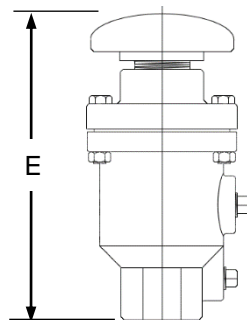
Value is rate at which air is drawn into the valve at negative pipeline/system pressure shown. Multiply SCFM air inflow rate x 7.48 to convert to equivalent pipeline/system liquid draining rate in USGPM.



OPTIONAL LEAD-FREE
BRONZE INLET
ISOLATING BALL VALVE



OPTIONAL OUTLET
COWL



Installation Dimensions

SIZE	1/2", 3/4", 1"	2"	3"
A	3 3/8"	5 3/8"	6 3/8"
B	7 1/8"	8 3/8"	10 5/8"
C	4"	5"	8"
D	7"	8"	13"
E	9 3/4"	11 1/4"	13 1/2"
Valve Weight	10 lbs.	20 lbs.	40 lbs.
Add for Inlet Ball Valve	2 lbs.	8 lbs.	20 lbs.
Add for Outlet Cowl	1 lb.	1 lb.	2 lbs.

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