Figures 930-DC, 930-UC, 930-DJ, 930-UJ
Air & Vacuum Valve for Clean Water

GA INDUSTRIES
a +GF+ brand

Data Sheet 930.03F

Description

GA Industries Figures 930-D and 930-U 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.

GA Industries Air & Vacuum Valves are typically installed at system high points where air naturally rises during filling and vacuum first forms during draining.

Figures 930-D and 930-U only have one moving part and such simple construction ensures dependable, long-term operation.

Figures 930-DC and 930-UC have outlet cowl while Figures 930-DJ and 930-UJ have a Class 125 flanged outlet.

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
- Outlet Cowl — Steel
- External Fasteners — Steel, A307, Zinc Plated
- Coating — Internal and External NSF-61 Certified Epoxy

Non-Shock Working Water Pressure at up to 150F (66C)				
Figure No.	**930-DC**	**930-DJ**	**930-UC**	**930-UJ**
Inlet Connection	ANSI Class 125		ANSI Class 250	
Inlet Size Range	6” to 12”		6” to 12”	
Outlet	Cowl	Class 125 Flange	Cowl	Class 125 Flange
Outlet Size	Same as Inlet			
Working Pressure	10-200 PSI		10-300 PSI	
Pressure Rating	200 PSI		300 PSI	
Hydro Test	300 PSI		450 PSI	

Approvals & Certifications

- Complies with AWWA Standard C512
- NSF-61 Certified for Contact with Drinking Water
- NSF-372 Certified Lead Free (Max 0.25% Lead Content by Weighted Average)

Options/Accessories

- Option BA — Build America/Buy America (BABA) and American Iron and Steel (AIS) Compliant
- Option FO — Class 125 flanged outlet in lieu of cowl
- Option IV — Inlet Isolating Valve – lever (6”) or worm gear operated (8” – 12”) AWWA butterfly valve (Class 125 flanged air valves only)
- Option SE — 316 stainless steel external fasteners
- Option US — American Iron and Steel (AIS) Compliant

Ordering Data

- Figure Number (930-DC, 930-UC, 930-DJ, 930UJ)
- Size
- Options/Accessories

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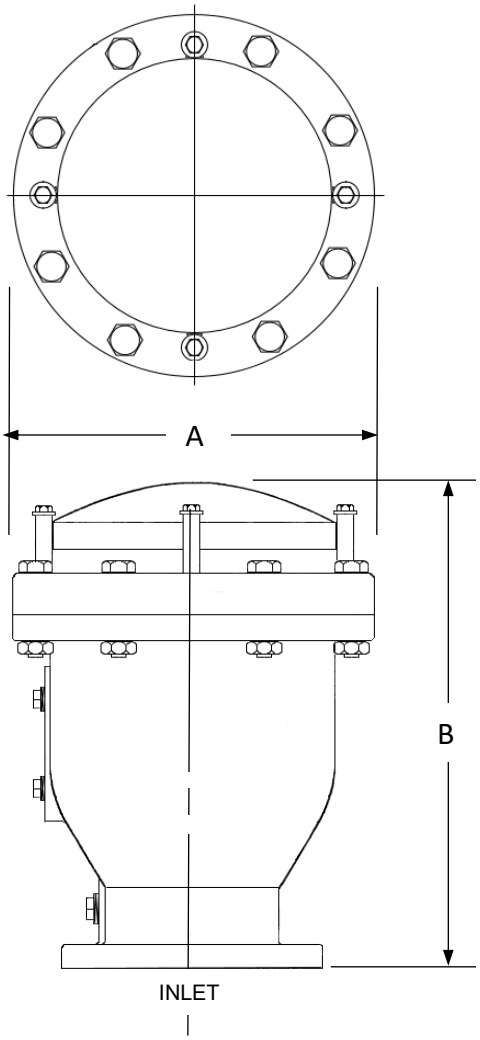
Pressure at Valve Inlet	Air Outflow Rate (C_d = 0.7) Standard Cubic Feet/Min (SCFM)			
	6”	8”	10”	12”
1 PSI	2830	5030	7850	11300
2 PSI	4000	7110	11100	16000
3 PSI	4900	8710	13600	19600
4 PSI	5660	10100	15700	22600
5 PSI	6320	11200	17600	25300
7 PSI	7480	13300	20800	29900
10 PSI	8940	15900	24800	35800
15 PSI	11000	19500	30400	43800

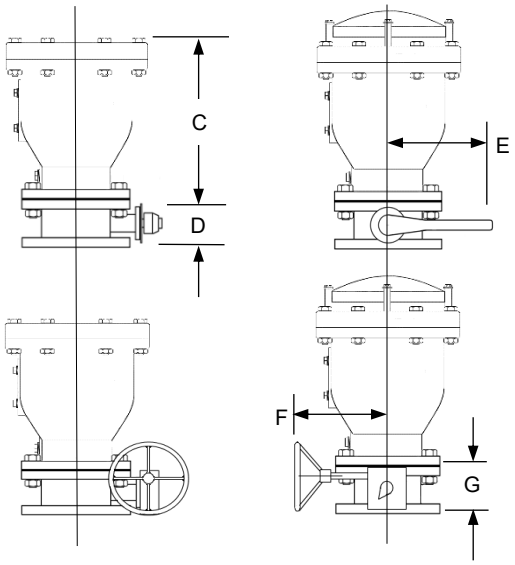
Value is rate at which air is vented from pipeline/system during filling at valve inlet pressures shown. Inlet pressure during filling should not exceed 5 PSI. Multiply SCFM air venting rate x 7.48 to convert to equivalent pipeline/system liquid filling rate in USGPM.

Pressure at Valve Inlet	Air Inflow Rate (C_d = 0.7) Standard Cubic Feet/Min (SCFM)			
	6”	8”	10”	12”
-1 PSIG	2880	5130	8010	11600
-2 PSIG	4080	7250	11300	16400
-3 PSIG	5000	8880	13900	20000
-4 PSIG	5770	10300	16000	23100
-5 PSIG	6430	11500	17900	25900

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.



FLANGED OUTLET and/or INLET ISOLATING AWWA BUTTERFLY VALVE



Installation Dimensions

SIZE		6”	8”	10”	12”
A		15¼”	19”	23½”	27½”
B		21”	25½”	33”	39⅞”
C (Flanged Outlet)		18”	20½”	27”	32½”
D (6” only)		5”			
E (6” only)		8”	--	--	--
F		--	9”	9¼”	9¼”
G		--	6”	8”	8”
Valve Weight	Class 125	175 lbs.	335 lbs.	475 lbs.	625 lbs.
	Class 250	195 lbs.	365 lbs.	510 lbs.	725 lbs.
Add for Class 125 Inlet Isolating BFV		64 lbs.	135 lbs.	179 lbs.	232 lbs.

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

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