

SIMPLE LEVER

Pressure Type Air Release Valve



FIG. 912

SIMPLE LEVER AIR RELEASE

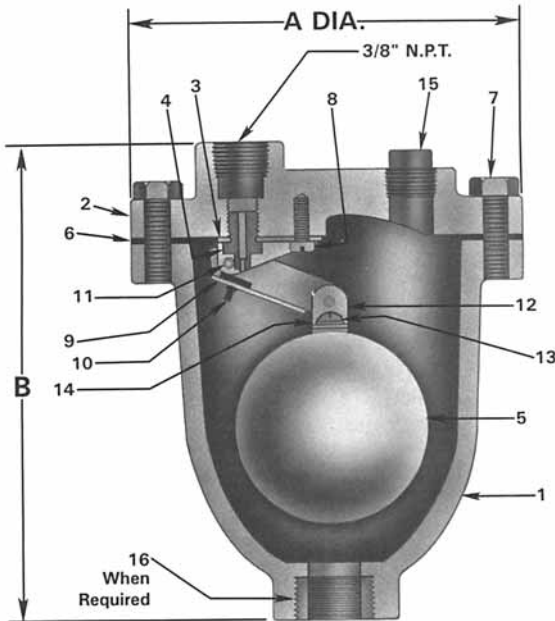


FIG. 912

GENERAL DIMENSIONS

VALVE (INLET)	VALVE (OUTLET)	A (DIAMETER)	B (HEIGHT)	WEIGHT (LBS.)
1/2" NPT				
3/4" NPT	3/8" NPT	5-1/8"	6-1/4"	8
1" NPT				

ENGINEERING SPECIFICATION

The Air Release Valve shall be float operated and shall incorporate a simple lever mechanism to enable the valve to automatically release accumulated air from a fluid system while that system is pressurized and operating.

The Air Release Valve shall close drop tight, incorporating a renewable Buna-N seat for superior service on water. All internal metal parts shall be of stainless steel, withstanding a test pressure of 1000 PSIG. The linkage/lever mechanism shall be designed to prevent jamming.

The body and cover shall be of cast iron conforming to ASTM A126 Class B, and shall be designed to withstand a test pressure of 450 PSIG.

The Air Release Valves shall be as manufactured by GA Industries, Inc., their Figure 912.

PARTS LIST

1. BODY - Cast Iron A126 Class B
2. COVER - Cast Iron A126 Class B
3. LEVERAGE BRACKET - 316 Stainless Steel
4. ORIFICE - 316 Stainless Steel
5. FLOAT BALL - 316 Stainless Steel
6. GASKET - Composition
7. COVER BOLTS - Steel Grade 2
8. BRACKET SCREW - 316 Stainless Steel
9. FLOAT ARM - 316 Stainless Steel
10. ORIFICE BUTTON - Buna-N
11. COILED SPRING PIN - 302 Stainless Steel
12. PIVOT LINK - 316 Stainless Steel
13. FLOAT SCREW - 18-8 Stainless Steel
14. LOCKWASHER - 18-8 Stainless Steel
15. PIPE PLUG - Steel (Commercial)
16. REDUCING BUSHING - Steel (Commercial)

ENGINEERING DATA

Pressure Rating:

Valve body rated 300 psi WOG,
tested to 450 psi.
Float tested to 1000 psi.

Working Pressure:

10-150 psi with 1/8" orifice
(Standard-Fig. 912)
10-300 psi with 3/32" orifice
(Optional-Fig. 912-H)

CONSULT FACTORY IF OPERATING
PRESSURE IS LESS THAN 10 PSI.

Maximum Venting Rate:

Fig. 912 @ 150 psi with 1/8" orifice =
26.1 SCFM
Fig. 912-H @ 300 psi with 3/32" orifice =
28 SCFM

FOR SIZING AND LOCATING SEE PAGES
16-17. OTHER ORIFICES AVAILABLE;
CONSULT FACTORY.

Where to Install Air Valves:

1. Peaks
2. Increased Down Slope
3. Decrease in Upward Slope
4. Long Ascents
5. Long Descents
6. Long Horizontals
7. Pumps
8. Large Valves, Cylinders and Piping Loops