MINI-MATIC

Pressure Type Air Vent

FIG. 905

MINI-MATIC

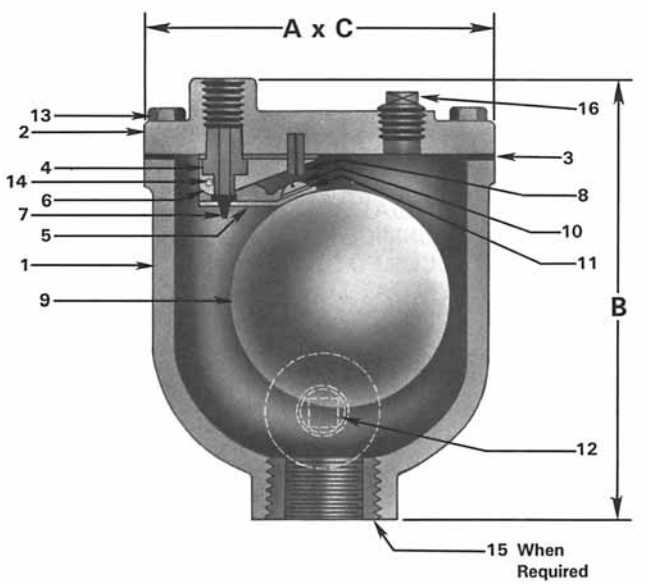

FIG. 905

GENERAL DIMENSIONS

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

ENGINEERING SPECIFICATION

The Air Vent (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 Vent Valve shall close drop tight, incorporating an easily renewable Buna-N seat, suitable for hot or cold steel. All internal metal parts shall be of stainless steel. The float shall be of stainless steel and be capable of 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 300 PSIG.

The Air Vent (Release) Valves shall be as manufactured by GA Industries, Inc., their Figure 905 Minimatic.

PARTS LIST

1. BODY - Cast Iron A126 Class B
2. COVER - Cast Iron A126 Class B
3. GASKET - Composition
4. ORIFICE - 316 Stainless Steel
5. FLOAT ARM - 316 Stainless Steel
6. LEVERAGE BRACKET - 316 Stainless Steel
7. ORIFICE BUTTON - Buna-N
8. SPRING PIN - 410/420 Stainless Steel
9. FLOAT BALL - 316 Stainless Steel
10. CAP SCREW - 18-8 Stainless Steel
11. LOCKWASHER - 18-8 Stainless Steel
12. PIPE PLUG 1/2" NPT - Steel (Commercial)
13. COVER BOLTS - Steel Grade 2
14. COILED SPRING PIN - 302 Stainless Steel
15. BUSHING - Steel (Commercial)
16. PIPE PLUG 1/4" NPT - Steel (Commercial)

ENGINEERING DATA

Pressure Rating:
Valve body rated 200 psi WOG, tested to 300 psi.
Float tested to 1000 psi.

Working Pressure:
10-150 psi with 3/32" orifice (Standard-Fig. 905)
10-200 psi with 1/16" orifice (Optional-Fig. 905-H)

CONSULT FACTORY IF OPERATING PRESSURE IS LESS THAN 10 PSI.

Maximum Venting Rate:
Fig. 905 @ 150 psi with 3/32" orifice = 14.7 SCFM
Fig. 905-H @ 200 psi with 1/16" orifice = 8.5 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