

MINI-MATIC

Pressure Type Air Vent



MINI-MATIC

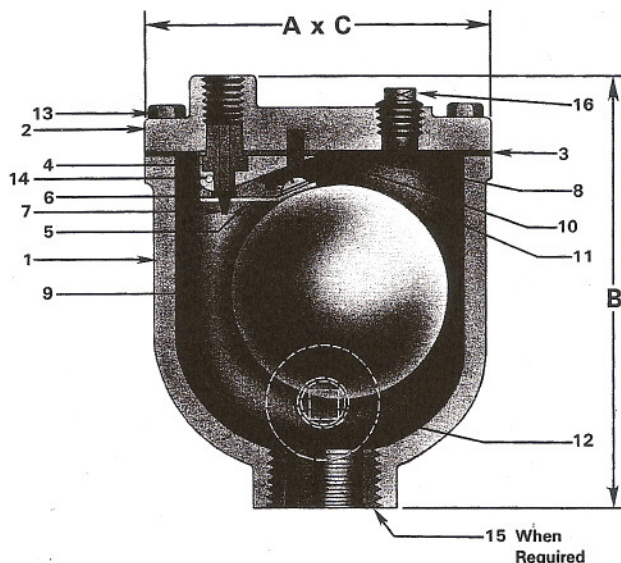


FIG. 905

GENERAL DIMENSIONS

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

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 water service. 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 - 303 Stainless Steel
5. FLOAT ARM - 302/304 Stainless Steel
6. LEVERAGE BRACKET - 302/304 Stainless Steel
7. ORIFICE BUTTON - Buna-N
8. SPRING PIN - 410/420 Stainless Steel
9. FLOAT BALL - 304 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

SIMPLE LEVER

Pressure Type Air Release Valve



SIMPLE LEVER AIR RELEASE

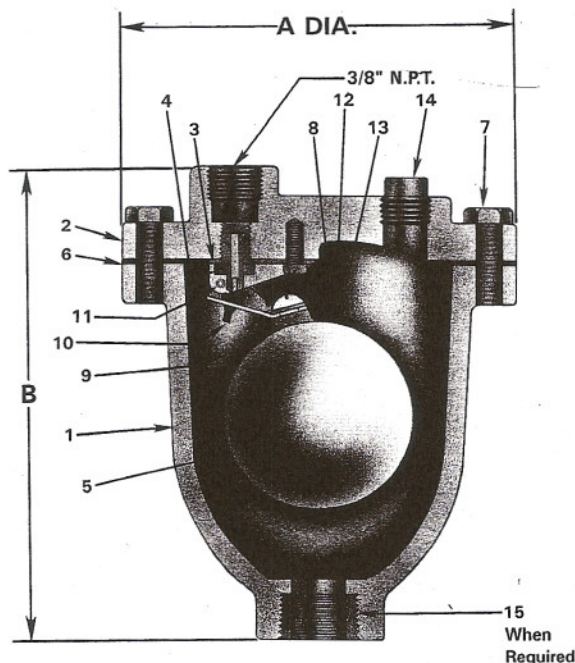


FIG. 910

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 an easily renewable Buna-N seat for superior service on water. 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 450 PSIG.

The Air Release Valves shall be as manufactured by GA Industries, Inc., their Figure 910 (formerly Figure 1/2-AR, 3/4-AR and 1 AR).

PARTS LIST

1. BODY - Cast Iron A126 Class B
2. COVER - Cast Iron A126 Class B
3. LEVERAGE BRACKET - 302/304 Stainless Steel
4. ORIFICE - 303 Stainless Steel
5. FLOAT BALL - 304 Stainless Steel
6. GASKET - Composition
7. COVER BOLT - Steel Grade 2
8. BRACKET SCREW - 18-8 Stainless Steel
9. FLOAT ARM - 302/304 Stainless Steel
10. ORIFICE BUTTON - Buna-N
11. COILED SPRING PIN - 302 Stainless Steel
12. FLOAT SCREW - 18-8 Stainless Steel
13. LOCKWASHER - 18-8 Stainless Steel
14. PIPE PLUG - Steel (Commercial)
15. 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 3/32" Orifice
(Standard-Fig. 910)

10-300 psi with 1/16" Orifice
(Optional-Fig. 910-H)

CONSULT FACTORY IF OPERATING
PRESSURE IS LESS THAN 10 PSI.

Maximum Venting Rate:

FIG. 910 @ 150 psi with 3/32" Orifice =
14.7 SCFM

FIG. 910-H @ 300 psi with 1/16" Orifice =
12.5 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 Pipina
Loops