

HIGH CAPACITY VACUUM RELIEF & AIR INLET VALVE

2-1/2" through 12" Flanged Body with Hooded and Screened Air Inlet



FIG. 990

VACUUM RELIEF/AIR INLET

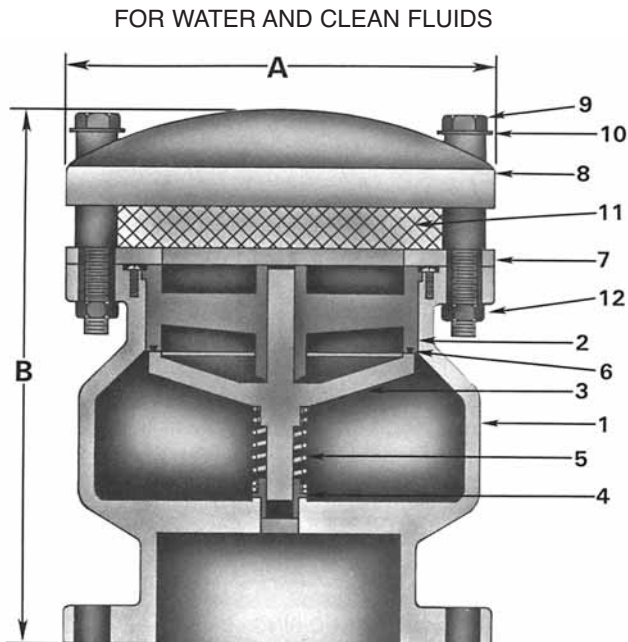


FIG. 990

Flange Dimension Per ANSI B16.1
Class 125 (CL.250 Optional)

GENERAL DIMENSIONS

SIZE	2-1/2"	3"	4"	6"	8"	10"	12"
A (DIA.)	8"	8"	10"	12"	14"	18"	20"
B	9-1/4"	9-3/4"	11-1/2"	14-1/2"	18"	22-1/4"	22"
WGT. (LBS.)	32	38	56	85	145	215	350

LARGE SIZES AVAILABLE, CONSULT FACTORY

ENGINEERING SPECIFICATION

The Vacuum Relief Valve shall be normally closed and open only when the pressure in the pipeline or vessel falls to approximately 1/4 psi below atmospheric pressure. Rapid entry of air into the valve shall be accomplished by having 10% more inflow area than the equivalent size of the valve.

The body of the valve shall be constructed of cast iron conforming to ASTM A126 Class B. The seat ring shall be made of bronze conforming to ASTM B62. The disc and seat ring shall be made of bronze conforming to ASTM B62. Tight shutoff shall be provided by a metal seat with a resilient seal. Internal spring shall be stainless steel.

The air inlet shall be protected by a stainless steel screen, and steel hood to prevent the entry of foreign materials.

The Vacuum Relief Valve shall be as manufactured by GA Industries, their Figure 990.

PARTS LIST

1. BODY - Cast Iron A126 Class B
2. BODY SEAT - Bronze B62
3. DISC - Bronze B62
4. BUSHING - Bronze SAE 660
5. SPRING - 304 Stainless Steel
6. RESILIENT SEAT - 70 Duro Buna-N
7. RETAINER - Steel
8. COWL Steel (Commercial)
9. COWL BOLTS - Steel Grade 2
10. COWL WASHER - Steel (Commercial)
11. SCREEN - 304 Stainless Steel
12. NUTS - Steel Grade 2

ENGINEERING DATA

Pressure Rating:

CL.125 FLG Inlet Body rated to 200 psi
WOG; tested to 300 psi
CL.250 FLG Inlet Body rated to 400 psi
WOG; tested to 600 psi

Connections:

Hooded and Screened Air Inlet x
CL.125 FLG - Standard
Hooded and Screened Air Inlet x
CL.250 FLG - Optional

FOR SIZING AND LOCATING
SEE PAGES 36-37.

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