

SEWAGE SERVICE AIR/VACUUM VALVE

2" - 6" Inlet and NPT Outlet



FIG. 935

SEWAGE AIR/VACUUM

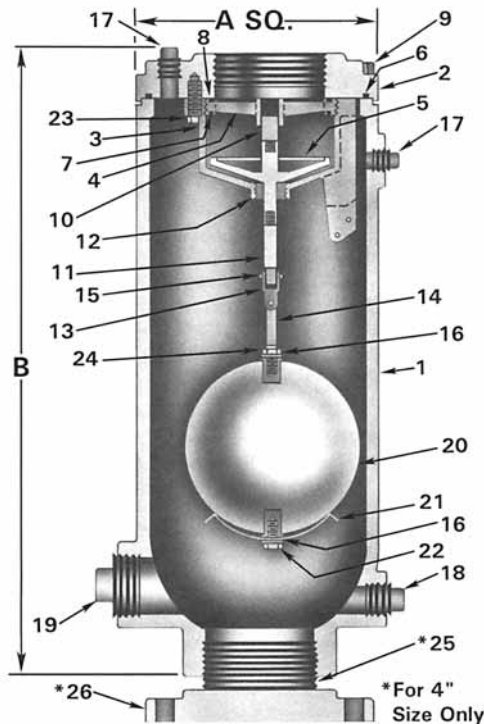


FIG. 935

Flange Dimension Per ANSI B16.1
Class 125

Flanged Inlet Shown
(Flushing Attachments
Not Shown)

ENGINEERING SPECIFICATION

The Sewage Service Air/Vacuum Valve shall automatically exhaust large quantities of air and gases while the pipeline or system is being filled and allow air to re-enter during draining or when a negative pressure exists.

The valve shall be spherical float operated and shall close drop tight against a renewable rubber seat. All internal metal parts shall be made of stainless steel.

Body and cover shall be of cast iron conforming to ASTM A126, Class B. Inlet connection shall be NPT to 3" size, CL.125 FLG in 4" and larger. Outlet shall be NPT.

When specified, valve shall be supplied with "Flushing Attachments" consisting of: bronze shut-off and flushing valves, quick-connect coupling and 5 ft. of rubber hose, for backwashing with clear water.

The Sewage Service Air/Vacuum Valves shall be as manufactured by GA Industries, their Figure 935 (formerly Figure SAV).

GENERAL DIMENSIONS

SIZE	2" x 1"	2" x 2"	3" x 2"	3" x 3"	4"	6"
INLET	2"	2"	3"	3"	4"	6"
OUTLET (NPT)	1"	2"	2"	3"	4"	6"
A (SQUARE)	6-1/2"	6-1/2"	6-1/2"	9-1/2"	9-1/2"	13-1/2"
B	20-1/2"	20-1/2"	20-1/2"	23-1/2"	25-1/2"	29"
WEIGHT (LBS.)	60	60	60	170	190	320

8", 10", 12" - (Manifolded 6" Valves) Also Available
CONSULT FACTORY DETAILS

PARTS LIST

- BODY - Cast Iron A126 Class B
- COVER - Cast Iron A126 Class B
- CAGE - Ductile Iron A536, Grade 65-45-12
- SEAT - 316 Stainless Steel
- PLUG - 316 Stainless Steel
- O-RING - Buna-N
- O-RING - Buna-N
- O-RING - Buna-N
- COVER BOLTS - Steel Grade 2
- UPPER PLUG EXTENSION - 316 Stainless Steel
- CONNECTOR - 316 Stainless Steel
- BUSHING - 316 Stainless Steel
- UNIVERSAL COUPLING - 316 Stainless Steel
- FLOAT ROD - 316 Stainless Steel
- COILED SPRING PIN - 302 Stainless Steel
- LOCKWASHER - 18-8 Stainless Steel
- PIPE PLUG 1/2" NPT - Steel (Commercial)
- PIPE PLUG 1" NPT - Malleable Iron
- PIPE PLUG 2" NPT - Cast Iron
- FLOAT BALL - 316 Stainless Steel
- FLOAT HOOD - 316 Stainless Steel
- FLOAT BOLT - Nylon
- CAGE BOLTS - 18-8 Stainless Steel
- HEX NUT - 18-8 Stainless Steel
- CLOSE NIPPLE* - Steel (Commercial)
- COMPANION FLANGE * - Cast Iron A126 Class B

ENGINEERING DATA

Pressure Rating:

Body rated to 200 psi WOG; tested to 300 psi
Float tested to 1000 psi

Connections:

NPT Inlet x NPT Outlet - Standard, 2"x1" through 3"x3" size.
CL.125 FLG Inlet x NPT Outlet - Standard, 4" through 6" size.

Options:

For Optional CL.125 FLG Outlet, Sizes 4" and 6",
specify Figure 935-J.

FOR SIZING AND LOCATING, SEE PAGES 36-37.

Where to Install Air Valves:

- Peaks
- Increased Down Slope
- Decrease in Upward Slope
- Long Ascents
- Long Descents
- Long Horizontals
- Pumps
- Large Valves, Cylinders and Piping Loops