

# SHORT BODY SEWAGE SERVICE AIR/VACUUM VALVE

2" through 3" NPT Inlet and NPT Outlet



FIG. 939

## SHORT BODY

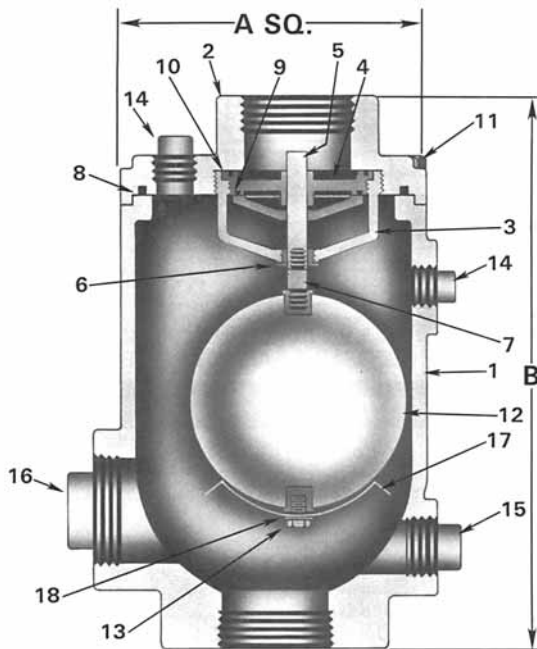


FIG. 939 Screwed End Inlet Shown  
(Flushing Attachments Not Shown)

## GENERAL DIMENSIONS

SIZE	2" x 1"	2" x 2"	3" x 2"
INLET	2"	2"	3"
OUTLET	1"	2"	2"
A (SQUARE)	6-1/2"	6-1/2"	6-1/2"
B	11-3/4"	11-3/4"	11-3/4"
WEIGHT (LBS.)	40	40	40

## ENGINEERING SPECIFICATION

The "SHORT BODY" 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 reenter 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. The overall height, less flushing attachments, shall be no more than 12".

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 "SHORT BODY" Sewage Service Air/Vacuum Valve shall be as manufactured by GA Industries, their Figure 939 (formerly Figure SAVS).

## PARTS LIST

1. BODY - Cast Iron A126 Class B
2. COVER - Cast Iron A126 Class B
3. CAGE - Ductile Iron A536 Grade 65-45-12
4. SEAT - 316 Stainless Steel
5. PLUG - 316 Stainless Steel
6. BUSHING - 303 Stainless Steel
7. CONNECTOR - 316 Stainless Steel
8. O-RING - Buna-N
9. O-RING - Buna-N
10. O-RING - Buna-N
11. COVER BOLTS - Steel Grade 2
12. FLOAT BALL - 316 Stainless Steel
13. CAP SCREW - Nylon
14. PIPE PLUG 1/2" NPT - Steel (Commercial)
15. PIPE PLUG 1" NPT - Malleable Iron
16. PIPE PLUG 2" NPT - Malleable Iron
17. FLOAT HOOD - 316 Stainless Steel
18. LOCKWASHER - 18-8 Stainless Steel

Refer to Page 35 for Flushing Attachments.

## ENGINEERING DATA

### Pressure Rating:

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

### Connections:

NPT Inlet x NPT Outlet - Standard  
2" x 1", 2" x 2" and 3" x 2"

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