

CUSTOM HIGH-CAPACITY SEWAGE COMBINATION AIR VALVE

4" and 6" Size Flanged Inlet



FIG. 957

CONVENTIONAL SEWAGE COMBINATION AIR VALVE

Figure 927
Air Release Valve
Ref.: Page 13

Figure 935
Air/Vacuum Valve
Ref.: Page 30

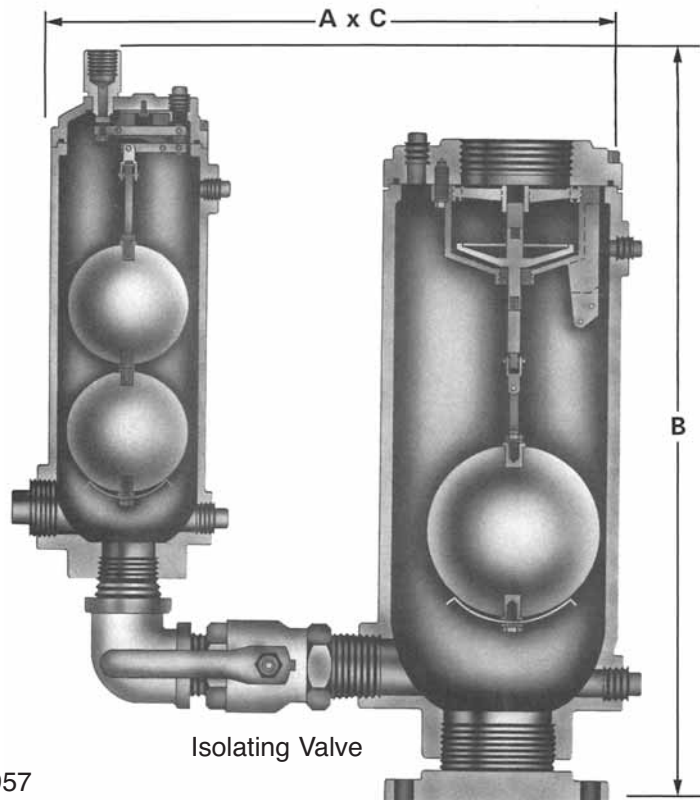


FIG. 957

Isolating Valve

GENERAL DIMENSIONS

SIZE	4"	6"
A	23-3/4"	26-1/2"
B	27-3/4"	33-1/4"
C	9-1/2"	13-1/2"
WGT. (LBS)	325	455

ENGINEERING DATA

Pressure Rating:

CL. 125 FLG Inlet Body rated to
200 psi WOG; tested to 300 psi
Float tested to 1000 psi.

Working Pressure:

10-75 psi with 1/2" orifice
(Optional-Fig. 957-L)
10-150 psi with 7/16" orifice
(Standard-Fig. 957)

CONSULT FACTORY IF
OPERATING PRESSURE IS
LESS THAN 10 PSI.

Small Orifice (Air Release)

Maximum Venting Rate:

Fig. 957-L
@ 75 psi with 1/2" orifice =
227.3 SCFM
Fig. 957
@ 150 psi with 7/16" orifice =
319.5 SCFM

FOR SIZING AND LOCATING
SEE PAGES 16-17, 36-37.
OTHER ORIFICES AVAILABLE;
CONSULT FACTORY.

Connections:

Inlet - CL. 125 FLG Standard
Outlet - NPT, Standard
CL. 125 FLG, Optional

Options:

For Optional Outlet Flange,
specify 957-J.
For Optional Flushing Attachments,
specify 957-F, see Pg. 15.

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

ENGINEERING SPECIFICATION

The Custom Sewage Combination Air Valve shall be designed to exhaust large amounts of air during filling, release small amounts of accumulated air during operation and open upon impending vacuum to admit air while draining.

The Custom Sewage Combination Air Valve shall consist of two independent valves: a large orifice Air & Vacuum Valve and a small orifice Air Release Valve, piped together so that a single, common connection can be made to the force main. The assembly shall be complete with shut-off valves to allow each valve to be isolated from the line. The assembly shall be tested as a unit to insure there are no leaking joints.

The Air & Vacuum Valve shall be equal in all respects to GA Industries Fig. 935 and shall be of the size specified. The Air Release Valve shall be equal in all respects to GA Industries Fig. 927 and shall be 2" NPT size. All internal metal trim components shall be stainless steel.

When specified, the Combination Air Valve shall be supplied with "Flushing Attachments" to allow periodic flushing of sediment, grease and solids. Attachments consist of: a lugged butterfly isolating valve, and bronze blow-off and flushing valves, with a minimum of 5 feet of rubber hose, and quick-disconnects to allow connection to a clean water source.

The Custom Sewage Combination Air Valves shall be as manufactured by GA Industries, Inc., their Figure 957 (formerly Figure SCAV-7, or SCAV-8).