

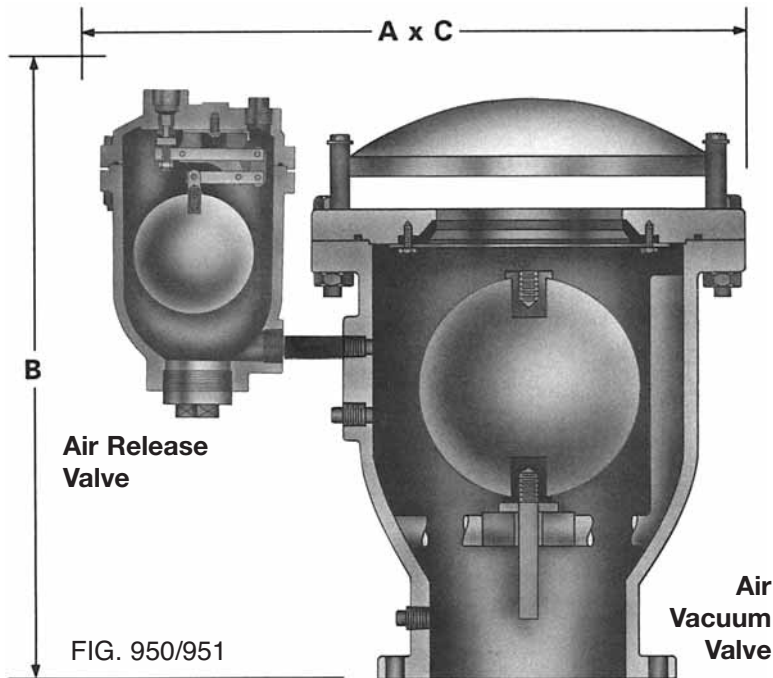
# KINETIC CUSTOM COMBINATION AIR VALVE

6" through 16" Size, Flanged Inlet, Standard Outlet Cowl



FIG. 950/951

## CUSTOM KINETIC



## GENERAL DIMENSIONS

SIZE	6"	8"	10"	12"	14"	16"
A (LENGTH)	21-5/8"	25-3/8"	29-7/8"	33-7/8"	33-7/8"	39-7/8"
B (HEIGHT/MAX.)	20-3/4"	25-1/4"	33"	39-7/8"	39-7/8"	48"
C (WIDTH)	15-1/4"	19"	23-1/2"	27-1/2"	27-1/2"	33-1/2"
WGT. (LBS.)	200	360	500	650	700	900

## ENGINEERING SPECIFICATION

The Custom Combination Air Valve shall consist of two independent valves piped together and tested as a unit. The 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 Air & Vacuum Valve inlet shall be the nominal size of the valve and shall be the same size as the outlet. It shall be designed to exhaust air at up to sonic velocity without blowing shut. The floats shall be spherical stainless steel and capable of withstanding a test pressure of 1000 psi. The Air Release Valve shall have stainless steel leverage mechanism and float. Both valves shall have bodies and covers of cast iron conforming to ASTM A126, Class B.

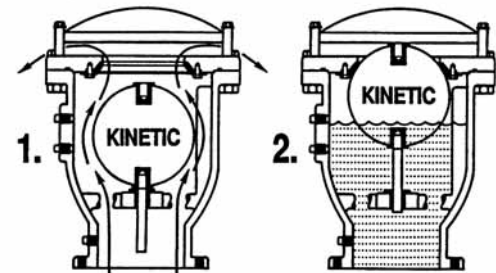
KINETIC Custom Combination Air Valves shall as manufactured by GA Industries, Inc., their Figure 950 or 951 as required. With optional bronze isolation valve specify Figure 950-I or 951-I (formerly Figure AR/GH21K).

## PARTS LIST

Combination Valve Figure No.	Size	Air Release Valve Figure No.	Air Vacuum Valve Figure No.
950	6-16"	920 Ref.: Page 9	930 Ref.: Pages 24-25
951	6-16"	922 Ref.: Page 10	930 Ref.: Pages 24-25

## ENGINEERING DATA

### Kinetic Operating Principle



1. During the exhausting sequence, the air flowing around the buoy ball produces a resultant downward force which maintains the ball in the open position.
2. The buoyant force of the ball will seal the exhaust orifice when water reaches the ball.

### Pressure Rating:

### Working Pressure:

### Small Orifice (Air Release)

### Maximum Venting Rate:

FIG. 950

Small Orifice Air Release see page 9

Large Orifice Air Vacuum see pages 24-25

FIG. 951

Small Orifice Air Release see page 10

Large Orifice Air Vacuum see pages 24-25

CONSULT FACTORY IF OPERATING

PRESSURE IS LESS THAN 10 PSI.

FOR SIZING AND LOCATING SEE PAGES

16-17, 36-37

### Connections:

Inlet - CL.125 FLG, Standard

CL.250 FLG, Optional

Outlet - Cowl, Standard

CL.125 FLG, Optional

### Options:

For Optional CL.125 Outlet,

specify Figure 950-J or 951-J.

For Optional Bronze Isolation Valve between

Air Release and Air Vacuum,

specify Figure 950-I 951-I.