

DATE 09-01-03



SPECIFICATIONS OTHER SIDE

S-140C

APG) SPECIFICATIONS

SERIES 140C COMBINATION AIR VALVES

Combination Air Valve (single body, double orifice) allows large volumes of air to escape out the larger diameter air vacuum orifice when filling a pipeline and closes water tight when the liquid enters the valve. During large orifice closure, the smaller diameter air release orifice will open to allow small pockets of air to escape automatically and independently of the large orifice.

The large air & vacuum orifice shall also allow large volumes of air to enter through the orifice during pipeline drainage to break the vacuum. The body inlet must be baffled to protect the lower float from direct contact of the rushing air and water to prevent premature valve shut-off. The top large orifice plug must be protected in similar manner for the same purpose.

The Buna-N seat must be fastened to the valve cover without distortion, for drop tight shut-off. The float shall be heavy stainless steel, hermetically sealed, designed to withstand a minimum of 1000 psi (static). The top plug shall be center guided thru hex bushings for positive shut-off.

Valve exterior to be painted Universal Primer for high resistance to corrosion.

The cross sectional area of the discharge orifice must be equal to the cross sectional area of the valve inlet size.

All materials of construction shall be certified in writing to conform to A.S.T.M. specifications as follows:

Body & Cover Float* Needle & Seat Plug Leverage Frame [1"&2"] [3"&4"] Cast iron Stainless Steel Buna-N Brass Delrin Cast iron

ASTM A126 Gr.B ASTM A240 T304 ASTM B124 ASTM D4181

ASTM A126 Gr. B

* Float design may vary on certain sizes

Note: Other materials available.

Valve to be APCO Series 140C Combination Air Valve, as maunufactured by Valve & Primer Corporation, Schaumburg, Illinois, U.S.A.



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