

Written Specification:

The Sewair-Combo® release valves allow the automatic release of air from the line when it is being filled and permits air to enter when being emptied. Air is allowed to escaped when the system is in full operation and under pressure, due to the compound lever in conjunction with a large and small orifice in one body casting.

Liquid rising in the valve will allow air to escape through the large orifice. When liquid enters the valve raises the float and lever system, along with the pressure plunger and the main valve. As the liquid reaches its limit the valve rest against the seat and the pressure plunger also rest against its seat (the main valve). The valve is now closed and no liquid can escape.

Accumulating air may rise into the valve while in operation and under pressure displacing the liquid at the top of the valve body, the float will then drop as the liquid recedes. As this happens the pressure valve will open allowing the accumulating air to escape, then the liquid level will rise and the valve will again close.

If the line should break or drain the float will drop all the way down as the liquid drains from the body. The valve then stays in the open position allowing the entrance of air and eliminating the danger of vacuum, thus the elimination of pipeline collapse.

As each condition presents itself the valve will repeat these cycles automatically. This valve can function with hot or cold water, and with many chemicals and oil base liquids present.

The valve body, top and flange are of cast iron. Buna-n plunger and seat, along with the Armstrong fulcrum gasket are all standard equipment.

Standard Operating Pressure is 20 psi to 150 psi

The valves shall be equal to Flomatic models 6650, 6651 and 6652.

Available Options:

Flanged Connection

Ductile Iron Body

2 psi to 40 psi and 151 psi to 300 psi Operating Pressures

AIS

Backflush

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