ARMSTRONG AUTOMATIC AIR VENT VALVE

- **STAINLESS STEEL CONSTRUCTION.**
- **FULLY SEALED, NO LEAKS.**
- **PROVEN POSITIVE LEVER MECHANISM.**
- **MINIMAL LIQUID CARRY OVER.**

Description.

The Armstrong 11AV automatic air vent valve has been designed to combine the durability and corrosion resistance of Stainless Steel with a reliable, proven operating mechanism to produce a highly reliable vent valve in the medium capacity air venting range.

The design of the 11AV is very simple. It employs a float which actuates a guided free floating valve. There are no pivots to wear or create friction that could interfere with the correct operation of the vent valve, and the lever guide ensures positive closure under all conditions.

As a result of many years of reliable service the Armstrong 11AV has become and industry standard where medium capacity automatic air venting from fluid is required. Fuelling Components holds the 11AV in stock with a choice of orifice sizes and working pressures, with particular emphasis on supplying the unit to vent air from filter vessels.

However, because the device is of such a universal design it can be used for a wide variety of automatic venting requirements, some of which are shown overleaf.

How To Order.

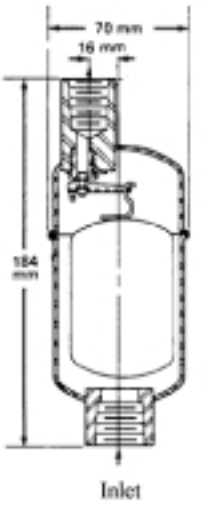
Armstrong 11AV, 1/8" orifice size, 11 Bar working pressure. Part Number 050711AV11.

Armstrong 11AV, #32 orifice size, 18 Bar working pressure. Part Number 050711AV18.

If you require any assistance with the selection of air eliminators please do not hesitate to contact our sales department for advice.

Detailed Specification.

Materials Of Construction:-
Body, type 304L Stainless Steel.
Valve and Seat, 440F heat treated Chrome Steel.
Float and Lever, type 304 Stainless Steel.
Connections:- Inlet 3/4" BSPT female, outlet 1/2" BSPT female.
Maximum Body working Pressure:- 28 Bar.
Maximum Working Temperature:- 427 deg. C.
Maximum Operating Pressure :-
11 Bar for 050711AV11.
18 Bar for 050711AV18.
Nett Weight:- 0.8Kg.



Venting Capacity.

Litres/Minute of air at standard atmospheric pressure.

	System Pressure (Bar)													
Orifice Size	0.5	1.0	1.5	2.0	3.0	4.0	5.0	6.0	7.0	8.0	10.0	12.0	15.0	18.0
1/8" diameter	84	110	148	167	225	280	340	400	460	525	650	800	N/A	N/A
#38 drill	53	70	95	112	150	190	232	270	310	350	435	520	640	780

Typical Alternative Applications For The Armstrong 11AV Automatic Air Vent Valve.

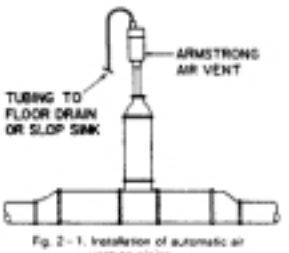


Fig. 2 - 1. Installation of automatic air vent on piping.

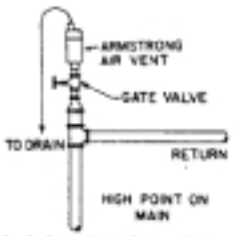


Fig. 2 - 2. Installation of automatic air vent on high point of system.

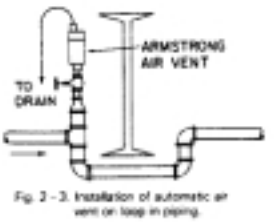


Fig. 2 - 3. Installation of automatic air vent on loop in piping.

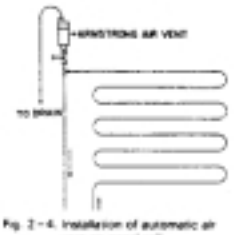


Fig. 2 - 4. Installation of automatic air vent on panel coil.

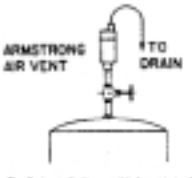


Fig. 2 - 5. Installation at high point of a storage or collecting tank.

Fig. 2 - 6. Venting air from a centrifugal pump.