

# stainless steel vent valves

type:

**AE - Air Escape**

**AP - Air Pass**



## FEATURES

316L (1.4404)  
stainless steel

hygienic  
- smooth surfaces  
- no castings (no porosity), no crevices  
- valve balls and seats manufactured from food grade materials

quick to dis-assemble for cleaning and sterilising

suitable for liquids of similar viscosity and specific gravity to water

## APPLICATIONS

ideally suited for industries:

brewing  
soft drinks  
dairy  
food

**The vent valve is used to vent air from an enclosed pipe or vessel and has been specifically designed for the Brewing, Soft Drinks, Dairy and Food industries.**

There are two versions available:

'AE' (Air Escape) which allows the venting of air from an enclosed pipe or vessel but automatically closes when liquid fills the valve. A non-return stage is incorporated to prevent air re-entering through the valve.

'AP' (Air Pass) which allows air to escape and re-enter. It is typically used for tank venting or siphon breaking.



**for purity of product**

## specification

### material

All wetted parts are 316L (1.4404) stainless steel manufactured from solid bar  
Materials certification can be provided

### finish

Internal finish is 3 µmRA for the machined "Uniform" finish and 0.8 µmRA for the 'Pure' finish  
0.4 or 0.5 µmRA are available as options  
External finish is machined

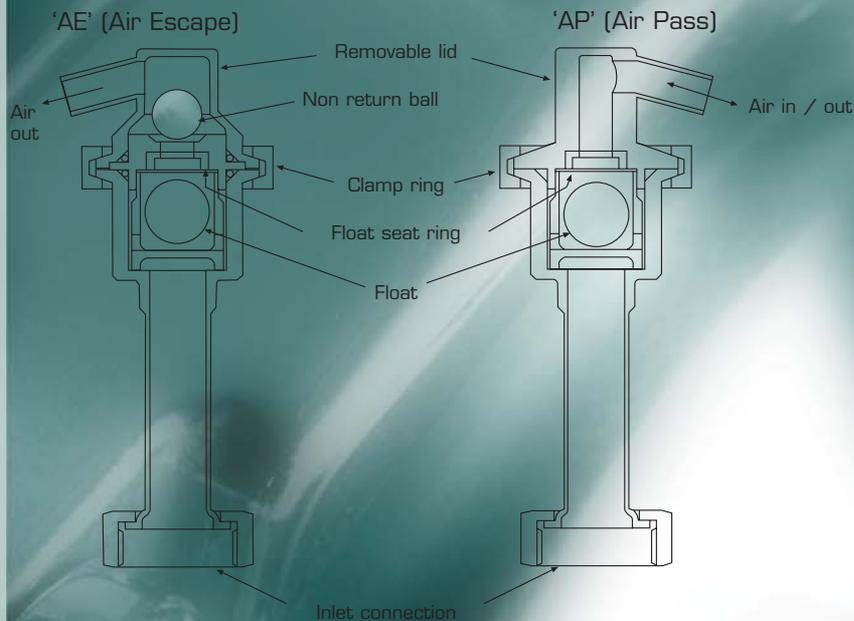
### connections

Inlet can be DIN11851, Tri-clamp, IDF, SMS, RJT, BSP or flanged  
Outlet is plain tube

### seal

EP elastomer / Silicone / Nitrile / Polypropylene

**for other options and a competitive quotation please contact our sales department**



## applications

### venting air from pipework 'AE'

Fitting the 'AE' valve just before the pump inlet (position A on diagram below) will clear air from the inlet pipe. This will allow the pump to prime faster and help maintain prime.  
Where a non-return valve is installed after the pump, an 'AE' valve can be fitted in position B so that trapped air can be vented, thereby allowing the pump to prime.

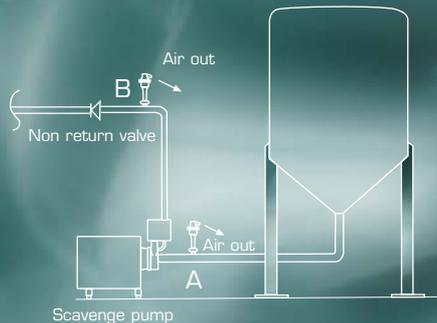
### siphon breaking 'AP'

Achieved by fitting an 'AP' valve at the highest point in the system (position C). When the pump is switched off the siphon action is broken, leaving liquid in the pump ready for the next operation.

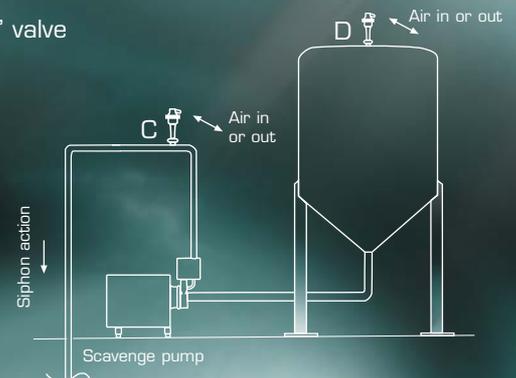
### tank venting 'AP'

Fitting an 'AP' valve at the highest point in the tank (position D) will allow air to escape and to re-enter.

'AE' valve



'AP' valve



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Founded in 1922 to supply hygienic equipment to the food and drink industries, MDM PUMPS LTD has been designing, manufacturing and marketing their range of Centrifugal Pumps, Liquid Ring Pumps, Vent Valves and Strainers since 1952.