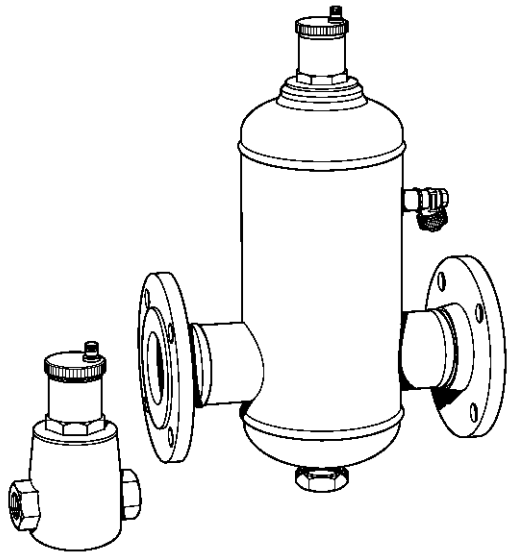


**AIR SEPARATORS**



**INSTALLATION**

**LOCATION**

The equipment should be located in a clean dry, ventilated environment and be easily accessible for servicing.

**OPERATING LIMITS**

Maximum working pressure - 10 bar  
Maximum working temperature - 105 degrees C

**CONNECTION TO THE SYSTEM**

Before connecting the equipment, flush the pipework until clean.

Connect the Air Separator to the system flow main, in a horizontal pipe run, and the inlet side of the main circulating pump. Air and Dirt sets must be arranged in the vertical position in order that air in circulation can be expelled.

**CAUTION** - The maximum water velocity in the pipework must not exceed 1.2 m/s.

The Air and Dirt set has two functions;

- 1 - To assist removal of air whilst filling the system during commissioning.
- 2 - To assist the removal of debris that may float within the separator.

The drain port at the base of the unit allows the removal of settled debris.

**CAUTION** - Care should be taken not to carry out debris removal whilst the system is hot.

Insulation Jackets are available as an option on some sizes.

**OPERATION**

The equipment works to remove air from the system by creating a disturbance as the water flows through the set.

Air is collected at the top of the chamber and is expelled through the auto air vent.

**MAINTENANCE**

1 - Routine maintenance and cleaning can be carried out without removing the unit from the pipework installation.

2 - The upper drain has two functions, to release air from the system during filling and to assist removal of debris which may be floating at water level.

4 - The drain at the base of the unit can be used to assist removal of deposits from the bottom of the unit.