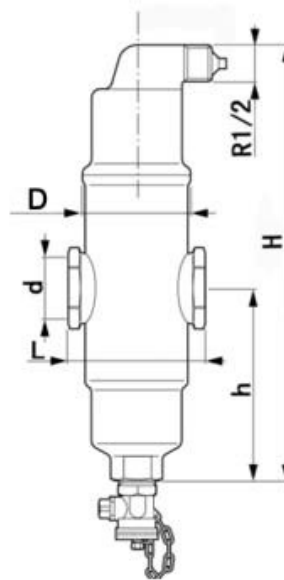


CLEANVENT

Combined Air (Deaerator) & Dirt Separator



Dimensions (mm)							
Model No.	Size (d)	H	h	D	e	L	Flow Rate (m ³ /h)
SCVAD-20	20mm	265	112	65	15	100	1.25
SCVAD-25	25mm	265	112	65	15	100	2
SCVAD-32	32mm	265	112	65	15	100	5
SCVAD-40	40mm	265	112	65	15	100	8

Dearation

The word Dearation describes the removal of dissolved gases from liquids such as air from water. When water is heated or the pressure reduced gas microbubbles are released into the system. Microbubbles can be the cause of major problems such as pump failure, corrosion and energy loss.

The Solution

As an aid to system cleaning the CleanVent range has been developed by Fabricated Products (UK) to remove potentially damaging particles from both hot and chilled water systems. It is comprised of a very fine stainless-steel Concentrator capable of stopping debris down to 5 micron. Through simple & cost effective maintenance the dirt can be flushed away to removing all the damaging particles in the system.

Features and Benefits

Greatly reduced commissioning times after initial fill

Longer system life (through Air & Dirt elimination)

Low Pressure Drop

Bi-Directional flow

Max working temperature 110°C

Max working pressure 10Bar

Tested to 21 Bar

Air collects in the air chamber before being evacuated by the automatic air vent

Can be flushed while fully operational

And internal wire concentrator to aid the removal of air and dirt particles

Brass: Safe, Clean, Efficient and Hygienic

- Brass is highly resistant against micro bacteria attacks plus lower bacteria colonization
- Hygienic and cleanable material (Smooth surface internally & externally).
- Lower adhesion of deposits (dirt and sludge) with the smooth internals of Brass
Sludge & magnetite is washed/ removed from the collection chamber easily

CleanVent location

This combined unit (model ref SCVAD) must be installed at the hottest part of the system (before the pumps). In a heating system this is the main flow from the boilers.

In a chilled water system the unit must be located in the return close to the chiller.

The static head must not exceed 60 metres in a Heating system.

Maximum static head must not exceed 40 metres in a chilled water system.

N.B. if the static head is greater than these figures the efficiency of the CleanVent & MagVent is reduced

Commissioning

The CleanVent requires no special commissioning. All units are fitted with a fast bleed valve, which should be used when initially filling the system. The same valve is used for draining off floating scum and also prevents the possibility of dirt clogging the air vent. Maintenance will be required to remove trapped dirt and sludge. Opening the ball valve at the bottom of the unit does this. The valve may be opened while the system is under pressure.

Scalding is a danger at high pressures and temperatures. Ensure that the water is safely piped to drain before opening the valve.

The system pressure will flush the dirt out. Leave the valve open until the collected dirt has been flushed out; repeat this operation every few days. Once the water is clear it may be possible to drain every 6 months or so depending on the size and age of the system.

Most of the dissolved air will be removed in a few days. However this may vary from system to system .In large systems it may take several weeks.

Dirt separators can only remove dirt that is circulating.

Connections

BSP Female

The CleanVent unit is maintenance free

Drain valve

All models are supplied with a ball valve for draining the collected dirt and sludge.