

Stainless Steel Air, Microbubbles & Dirt Separation for the Heating & Ventilation Industry.

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 strainer capable of stopping debris down to 5 micron.

Commissioning

The CleanVent and MagVent requires no special commissioning. All units are fitted with a 3 way valve under the auto air vent valve, which should be used when initially filling the system. The same valve is used for draining off floating "scum" that prevents the possibility of dirt clogging the air vent. Maintenance will be required to remove trapped dirt and sludge. This can be done by opening the ball valve at the bottom of the unit. 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 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.

Flanges

All flanges are drilled to BS 4504 PN16 as standard. Plain ends and other flange ratings are available on request. The CleanVent unit is maintenance free.

Drain Valve

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

Features and Benefits

- Reduced commissioning times after initial fill
- Can be flushed while fully operational (no need to shut down)
- An internal stainless steel concentrator to aid removal of air and dirt
- Smooth surfaces with Stainless Steel lead to lower friction
- Stainless will not degrade in service thanks to its excellent resistance to corrosion
- Stainless Steel is extensively more resistant to oxidation by water and biocides than carbon steel, therefore Stainless Steels are not contributing to oxidation sludges
- Our stainless steel separators are up to 40% lighter reducing the need for extra supports around the products in the plant room

Air Separation & Air and Dirt Separation

Both these units 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.

CLEANVENT



Model No: CVAD

Combined unit Air (de-aerator) & Dirt Separator

Model No.	Dimensions (mm)							Tested to
	A	B	C	D	E	F	G	
CVAD-50	50	430	300	170	25	380	680	21 Bar
CVAD-65	65	430	300	170	25	380	680	21 Bar
CVAD-80	80	490	360	220	25	440	800	21 Bar
CVAD-100	100	490	360	220	25	440	800	21 Bar
CVAD-125	125	630	470	325	25	550	1020	21 Bar
CVAD-150	150	630	470	325	25	550	1020	21 Bar
CVAD-200	200	810	625	410	50	625	1250	21 Bar
CVAD-250	250	880	775	510	50	775	1550	21 Bar
CVAD-300	300	1100	875	610	50	875	1750	21 Bar
CVAD-350	350	1500	950	770	50	950	1900	21 Bar
CVAD-400	400	1500	1125	770	50	1125	2250	21 Bar
CVAD-450	450	1750	1125	920	50	1125	2250	21 Bar
CVAD-500	500	2000	1175	1220	50	1175	2350	21 Bar
CVAD-600	600	2000	1325	1220	50	1325	2650	21 Bar

POD INSULATED READY

- 1 High capacity auto air vent
- 2 3-Way Valve / Bleed Valve
- 3 Drain Valve

