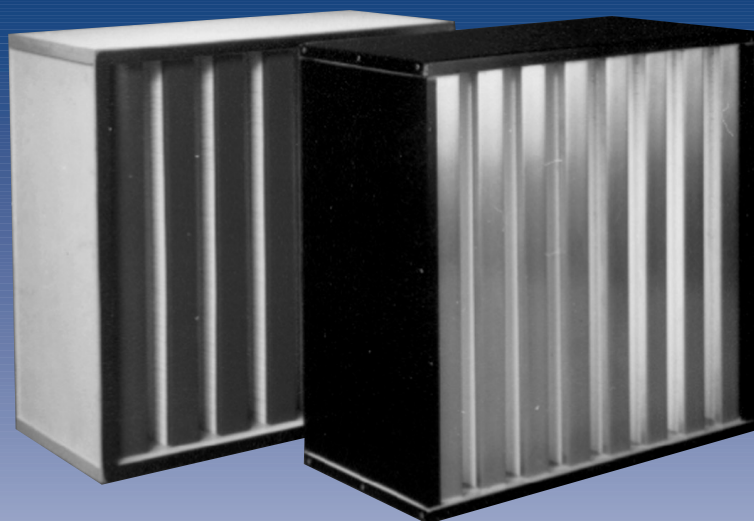


Vokes Absolute MF & WF

P r o d u c t s

McLeod Russel



Vokes Absolute MF & WF

EU Grade	Efficiency	
EU11	99.95%	55
EU13	99.99%	66
EU13	99.997%	77

High Efficiency Air Filters

Vokes Absolute air filters are designed for the air intake and extract systems of critical applications where high efficiency filtration is necessary. Absolute MF and WF high capacity filters are manufactured using a 'Mini-Pleat' filter pack construction, with a media area much larger than standard absolutes. This permits operations at either higher air flows, or at standard air flows where lower pressure drops can substantially extend filter life. High capacity filters allow the use of smaller containment systems with fewer filters, minimising the number of filters for disposal. In selected applications they can be used to upgrade existing systems.

Absolute filters are subjected to full quality assurance procedures and are either sodium flame tested to EUROVENT 4/4-BS3928 or DOP Leak Tested for filtration efficiency. Each filter is numbered and stamped with the guaranteed efficiency and the results recorded for future reference. If necessary the filter can be subsequently purged.

Application

Designed for high efficiency air handling installations including the UNIPAK system, absolute filters are normally used as final filters. It is therefore recommended that pre-filters are fitted up-stream to extend their useful life.

Vokes Absolute filters are suitable for critical applications including plants manufacturing pharmaceuticals and electronic components, hospitals, biological research laboratories, defence and nuclear establishments.

Construction

Vokes MF and WF high capacity absolute filters consist of a 'Mini-Pleat' filter pack manufactured from a water repellent glass paper media. The filter media is finely pleated to form filter packs, with pleat separator strips made from the filter media. Positive pleat separation maximises the use of the media area and minimises pressure drops, while maintaining filter integrity by avoiding the need to stitch or glue the pleats.

The filter packs are assembled as 'V' form sections in the filter case, to give a media area considerably greater than conventional absolutes. They are bonded into the filter case using a polyurethane sealant, to give a rigid and robust construction. Mini-Pleat absolutes are available with mild steel cases (MF) or as incinerable units with wood cases (WF). They are also available with stainless steel cases on request.

Range

Vokes Absolute MF and WF filters are manufactured with efficiencies of 99.95% (55), 99.99% (66) and 99.997% (77), in two standard sizes for nominal air flows of 1700 and 3400 m³/h.



Features & Benefits

- A range of high capacity 'Mini-Pleat' Absolute (HEPA Grade) air filters for high efficiency applications.
- Available in 3 grades - 99.95%, 99.99% and 99.997% (EU11-13).
- Every filter individually tested and guaranteed.
- Two standard filter sizes with nominal air flow capacities (1700 and 3400m³/h) higher than 'Deep-Pleat' Absolutes of the same size.
- At standard air flows, the lower pressure drops possible with Absolutes MF and WF, substantially extends filter life.
- High capacity Absolute filters allow the use of smaller containment systems with fewer filters.
- Suitable for use in the range of UNIPAK containment systems and filter frames.

Vokes Absolute MF & WF

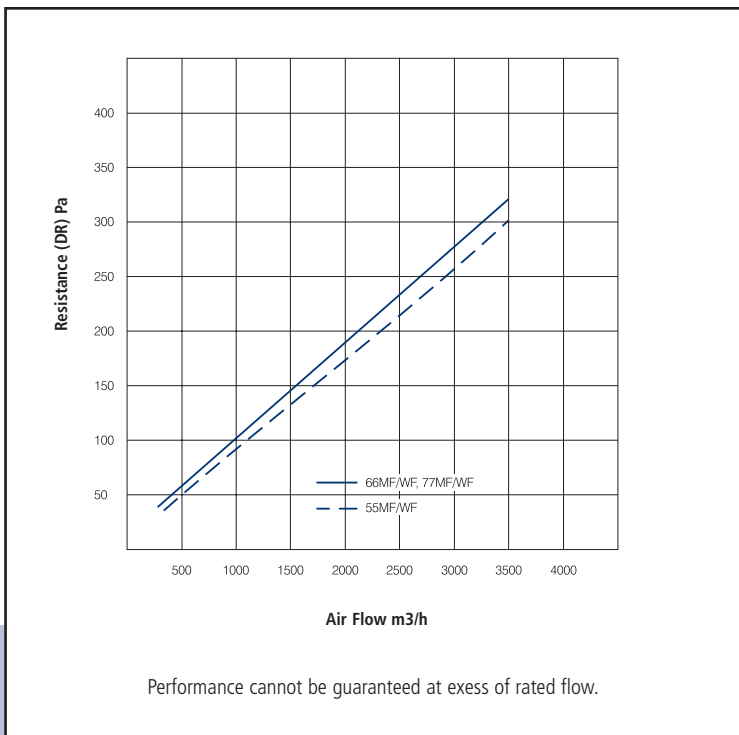
Vokes MF and WF high capacity absolute filters are manufactured with a 'Mini-Pleat' filter pack construction and have the following design features:

- Case** - Coated mild steel (M) or wood (W)
- Construction/ Spacers** - Mini-Pleat 'V' form packs with positive pleat separation (F)
- Sealant** - Polyurethane
- Gasket** - Neoprene

Performance

- Air Volume Capacities**
Types: MF & WF 1700 and 3400m³/h
- Maximum Temperatures**
Continuous 70°C
Short Periods Only 120°C
- Maximum Relative Humidity MF & WF** 100%
- Burst Pressure** >3800Pa
- Resistance - To air flow** See Graph

Resistance



How to Specify

Case Construction and Separators

Absolute Type	Case Material	Construction
MF	Coated Steel (M)	Mini-Pleat (F)
WF	Wood (W)	Mini-Pleat (F)

Case Sizes

Size	Dimensions mm	Nominal
	h x w x d**	Air Flow m ³ /h
5	609 x 609 x 298	3400
15	609 x 305 x 298	1700

**NOTE - Depth includes a 6mm gasket

Gaskets

	Type	Position
S	Standard Flow	Air Exit Face
DS	Double Seal	Both Faces
R	Reverse Flow	Air Entry Face