Medical Vacuum Filters

FT offers a comprehensive range of medical vacuum filters for use in centralised hospital vacuum plant installations. Medical vacuum filters are specifically designed to protect plant installations from liquid, solid and bacterial contamination.

For easy identification, liquids are collected in a transparent vacuum drain flask which can be easily removed for sterilisation.

Medical vacuum grade filter elements incorporate a high efficiency, low pressure loss borosilicate glass microfiber media to capture particulates, bacteria and liquid aerosols in addition to a pre-filtration layer manufactured from open cell reticulated foam.

Differential pressure indicators and manual drain valves are fitted as standard to all models.

Sterilisable glass vacuum drain flasks (100ml or 250ml depending upon model) are supplied as standard.

Filter- und Trocknertechnik GmbH
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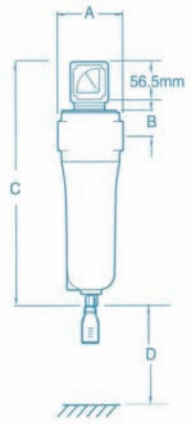


Filter Model	Pipe Size	Flow Rate Nm³/h	Flow Rate SCFM	Element Model	Number of Elements	Dimensions mm (A)	(B)	(C)	(D)	Weight kg
FT-6 VFM	3/8	6	3,5	E 6 VFM	1	88	32	315	100	1,3
FT-12 VFM	1/2	12	7	E 12 VFM	1	88	32	315	100	1,5
FT-15 VFM	3/4	15	9	E 15 VFM	1	88	32	365	100	1,5
FT-36 VFM	1	36	21	E 36 VFM	1	125	39	365	100	2,7
FT-72 VFM	1 1/4	72	42	E 72 VFM	1	125	39	365	150	3,5
FT-120 VFM	1 1/2	120	70	E 120 VFM	1	135	50	545	200	4,4
FT-180 VFM	2	180	106	E 180 VFM	1	135	50	745	200	5,0
FT-240 VFM	3	240	141	E 240 VFM	1	200	68	925	200	15,5
FT-300 VFM	3	300	177	E 300 VFM	1	230	68	1050	300	19,0

Flow rate above is rated flow at atmospheric pressure (1000mbar) and 20°C.
For maximum flow rates at other pressures, refer to chart below:
Port connections available as either BSP Parallel (ISO 7/1) or NPT (ANSI B2.1).

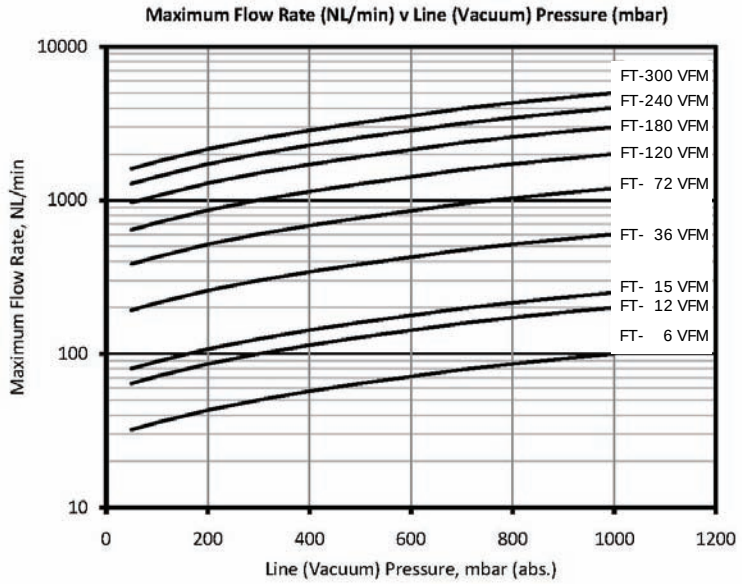
Larger, multi-element fabricated product also available for increased flow rates.

SPECIFICATION	GRADE MV	
Particle Removal Efficiency	>99.995%	
Maximum Working Pressure	Atmospheric and Full Vacuum	
Maximum Working Temperature	60°C	140°F
ΔP, Pressure Loss (Clean)	35mbar	0.5psig
ΔP, Pressure Loss (Element Change)	100mbar	1.5psig

Particle removal efficiency tested in accordance with the requirements of BS 3928 -1969: Method for Sodium Flame Test for Air Filters.

Units can be leak tested above atmospheric pressure provided that the drain valve is closed and the drain flask is removed.

CONSTRUCTION MATERIALS	
Housing	**Element**
Diecast aluminium alloy housings coated with both an electrophoretic treatment (e-coat) followed by an external polyester powder paint finish. Sterilisable glass vacuum flask. High nitrile seals. Differential indicator components – Polyamide (PA)	Glass filled polyamide (PA) endcaps with high nitrile seals. Stainless steel perforated inner and outer cylinders. Borosilicate glass microfiber media. Reticulated open cell foam pre-filter sleeving. Polyurethane bonding and encapsulation materials.



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