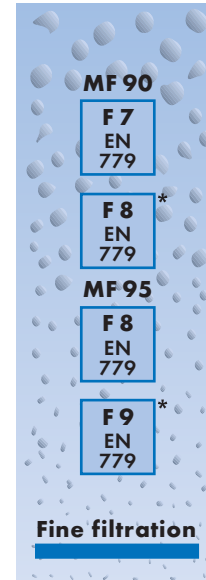
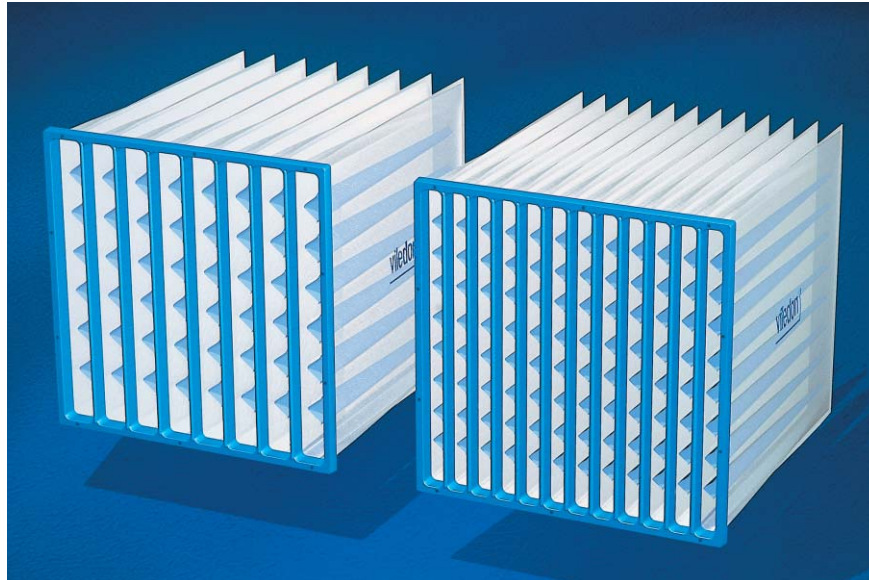


The safety experts for fine filtration: Compact Pocket Filters MF 90 and MF 95 Filter Classes F 7/F 8* – F 8/F 9*



viledon®

* at a test volume flow rate of 2,500 m³/h

The application

MF 90 and MF 95 are used for supply, exhaust and circulating air filtration in ventilation systems with stringent reliability standards for filtration performance, such as

- ▶ in high-performance air-conditioning systems (hospitals, laboratories, libraries, museums, airports, office buildings, etc.)
- ▶ in industrial processes (chemicals, pharmaceuticals, food-stuffs, optics, electronics, surface treatment, etc.)
- ▶ as prefilters for HEPA filters
- ▶ as downstream „policing filters“ in dust removal applications.

The special features and benefits

- ▶ As filter media we use **synthetic-organic high performance nonwovens manufactured in-house**.
- ▶ The media have a **triple-layered progressive structure**, with a high-arrestance microfiber layer being surrounded by a prefilter layer and a support layer. The result: **very high arrestance, favourable pressure drop, high cost-efficiency, high level of protection even against critical fine dusts, bacteria and moulds.**
- ▶ All Compact pocket filters are **glassfiber-free, non-corroding, moisture-resistant** up to 100% rel. humidity, **self-extinguishing** to DIN 53438 (Fire Class F1) as well as **microbiologically inactive** and **meet all hygiene requirements for HVAC systems to EN 13779.**
- ▶ The **uniformly high quality** of the filters is assured by our **certified quality management system** to ISO 9001 as well as by **type-testing** to EN 779.
- ▶ **Maximized functional reliability** thanks to the leak-proof welded configuration of the filter pockets, foamed into the polyurethane front frame, aerodynamically optimized welded-in spacers, and dimensionally stable construction of the filter element as a whole.

MF 90		1/1	5/6	1/2	1/4
▶ Weight, approx.	kg	2.5	1.6	1.2	0.6
▶ Front frame	mm	592/592	492/592	289/592	289/289
▶ Depth	mm	650	650	650	650
▶ Number of pockets		8	6	4	4
▶ Suitable for standard mounting frame	mm	610/610	508/610	305/610	305/305
▶ Thermal stability/ temporary peaks	°C	70 80	70 80	70 80	70 80

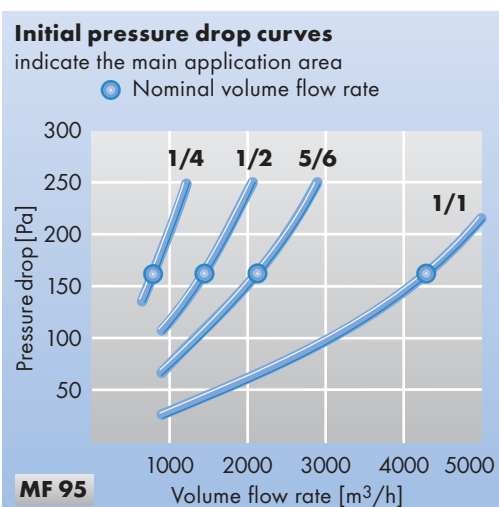
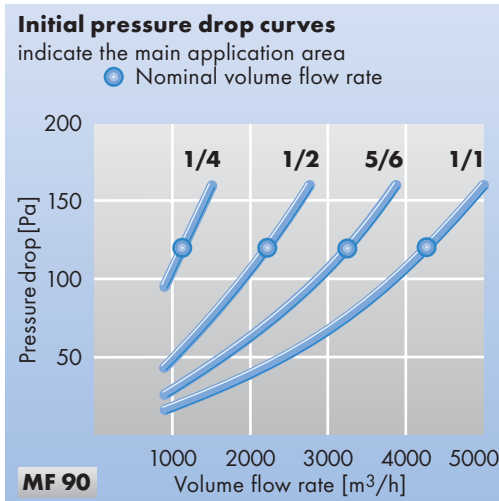
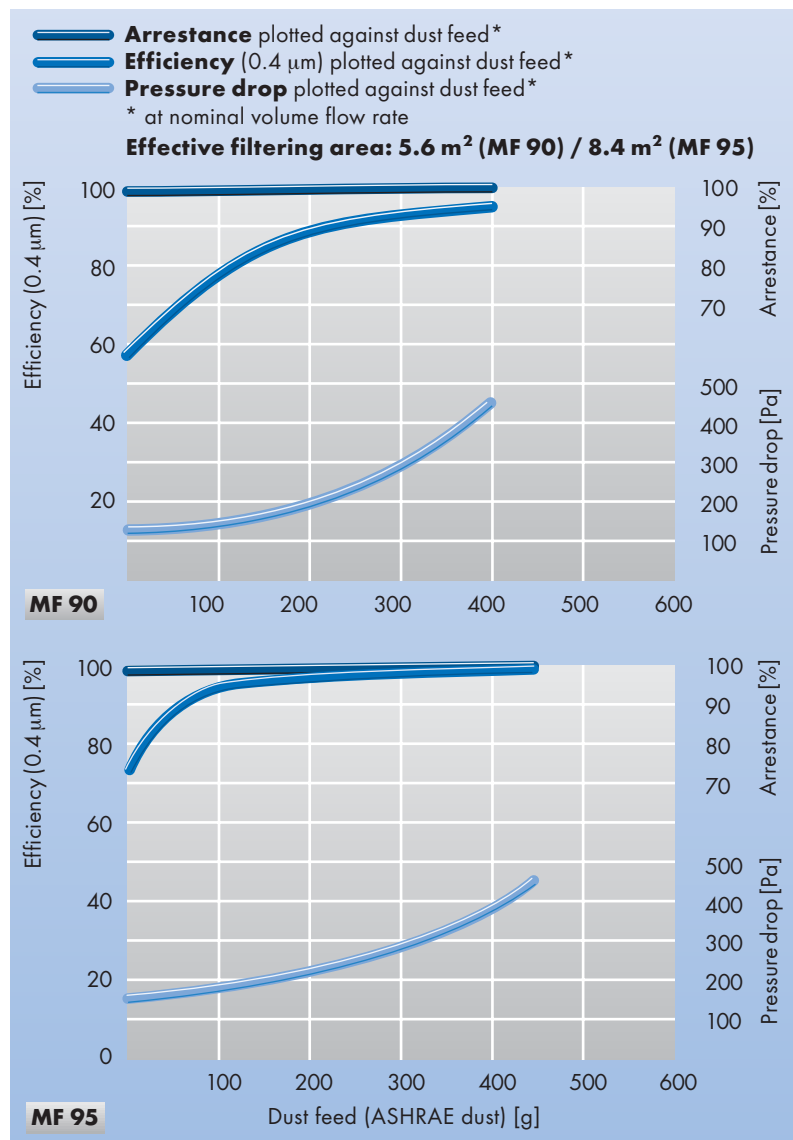
MF 95		1/1	5/6	1/2	1/4
▶ Weight, approx.	kg	3.4	1.8	1.2	0.6
▶ Front frame	mm	592/592	492/592	289/592	289/289
▶ Depth	mm	650	650	650	650
▶ Number of pockets		12	6	4	4
▶ Suitable for standard mounting frame	mm	610/610	508/610	305/610	305/305
▶ Thermal stability/ temporary peaks	°C	70 80	70 80	70 80	70 80

The extras

- ▶ MF 90 and MF 95 meet the most stringent requirements for fine filtration and provide very high clean-air quality. They are a reassuring choice, making a vital contribution to cost-efficient operation of sensitive systems and processes.
- ▶ At a volume flow rate of 2,500 m³/h, MF 90 reaches Filter Class F 8, and MF 95 Filter Class F 9.

Freudenberg

Technical filter test data to EN 779



Key data			MF 90	MF 95
▶ Average arrestance	A _a	%	> 99	> 99
▶ Average efficiency	E _a	%	84	94
▶ Face velocity		m/s	3.2	3.2
▶ Nominal volume flow rate		m ³ /h	4250	4250
▶ Initial pressure drop		Pa	120	160
▶ Final pressure drop*		Pa	450	450
▶ Dust holding capacity (AC Fine / 450 Pa)		g	1550	1950

The figures given are mean values subject to tolerances due to the normal production fluctuations. Our explicit written confirmation is always required for the correctness and applicability of the information involved in any particular case.

You will find instructions on how to handle and dispose of loaded filters in our information on product safety and eco-compatibility.

* For cost-efficiency or system-specific reasons it may be appropriate to change the filters before reaching the stated final pressure drop. It can also be exceeded in certain applications.

Subject to technical alterations.

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