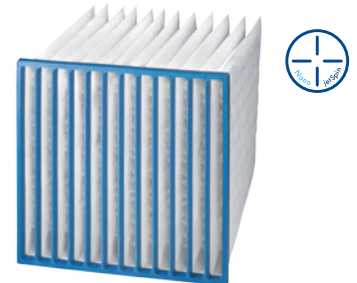


FILTRATION AT ITS FINEST THANKS TO NANO JETSPIN TECHNOLOGY

MF95 COMPACT POCKET FILTERS

FILTER TYPE	FILTER CLASS	NOMINAL VOLUME FLOW RATE [m³ / h]	TEST STANDARD	ENERGY EFFICIENCY CLASS*
MF95	F8	4,250	EN 779	C



The application

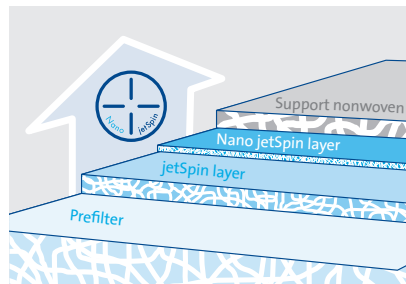
MF95 Compact pocket filters featuring Nano jetSpin technology are used for supply, exhaust and recirculated-air filtration in ventilation systems posing special safety requirements for air-resistance capability, such as

- in sophisticated air-conditioning systems (hospitals, laboratories, libraries, museums, airports, etc.)
- in industrial processes (chemicals, pharmaceuticals, foods and beverages, optics, electronics, etc.)
- as prefilters for HEPA filters
- as downstream “policing filters” in dust removal systems

Their characteristics and benefits

- The filter medium used is a 4-layered progressively structured high-performance nonwoven featuring a nano-fiber layer, made of non-breaking, synthetic-organic fibers.
- One jetSpin layer together with one super-fine Nano jetSpin layer, sur-

rounded by a prefilter and a support layer, ensures optimum filtration of critical fine particles in the heart of the medium.



- MF95 pocket filters can be relied upon for continuously excellent mechanical filtration performance under all duty conditions. The inherent rigidity of the filter elements, in conjunction with the very high efficiency and the favorable pressure drop of the media involved, ensures exceptional durability, high dust holding

capacity, long useful lifetimes, optimized cost-efficiency and good protection against critical fine particles, bacteria and fungi.

- High functional dependability, thanks to the leakproof-welded configuration of the filter pockets, foam-sealed into a PUR front frame, with aerodynamically optimized welded-in spacers and dimensionally stable construction of the filter element as a whole.
- The pocket filters are free of glass fibers, non-corroding, microbiologically inactive, and meet all the criteria laid down in VDI Guideline 6022 “Hygiene requirements for HVAC systems and units”.
- The filters’ consistently high quality is assured by our state-of-the-art ISO 9001-compliant quality management system, and by type-testing to EN 779.

The special features

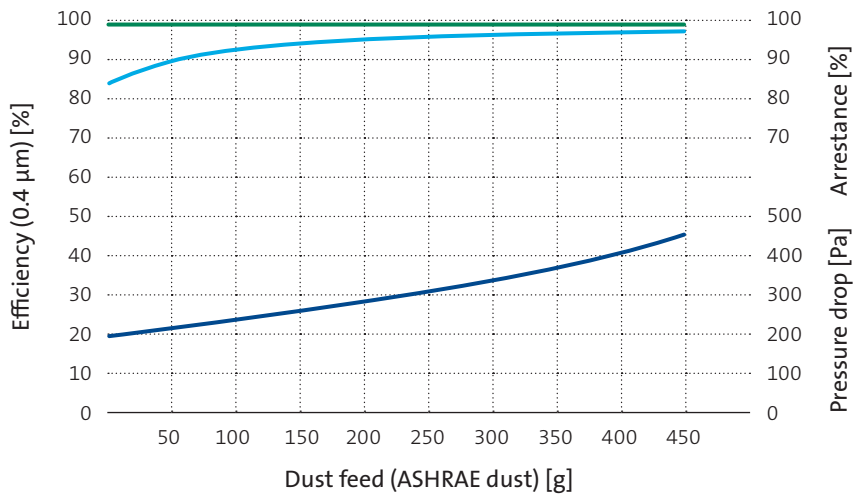
MF95 Compact pocket filters meet the most stringent of requirements in fine-filtration jobs, and ensure very high clean-air quality, thus making a crucial contribution to cost-efficient operation of sensitive systems and processes.

GEOMETRIES AVAILABLE		1/1	5/6	1/2	1/4
Front frame	mm	592 × 592	492 × 592	289 × 592	289 × 289
Overall depth	mm	650	650	650	650
Number of pockets		12	6	4	4
Effective filtering area	m²	9	4.7	3.1	1.5
Weight approx.	kg	3.1	1.7	1.2	0.5
Thermal stability	°C	70	70	70	70
Moisture-resistance (rel. hum.)	%	100	100	100	100
Suitable for standard mounting frame	mm	610 × 610	508 × 610	305 × 610	305 × 305

* As part of the EUROVENT Certification, rated at 3,400 m³/h

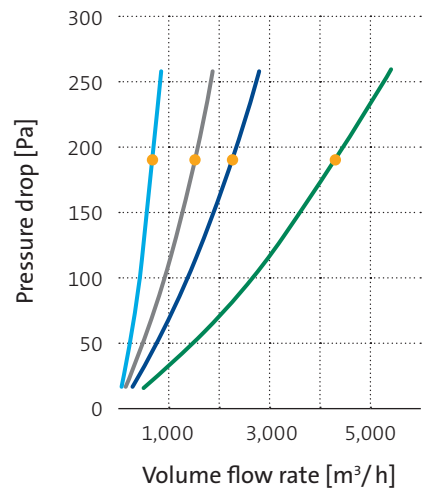
TECHNICAL FILTER TEST DATA TO EN 779

Arrestance, efficiency and pressure drop plotted against dust feed at nominal volume flow rate



— Arrestance — Efficiency — Pressure drop

Initial pressure drop curves

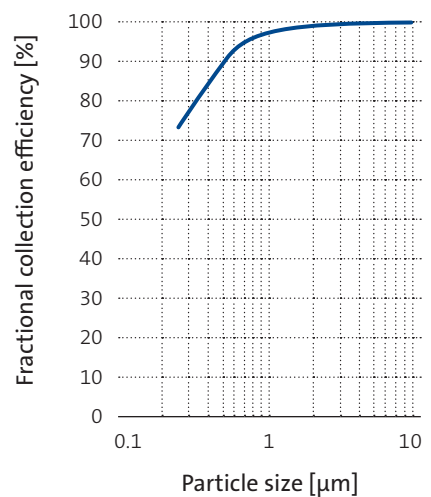


— 1/1 — 1/2
— 5/6 — 1/4
● Nominal volume flow rate

KEY DATA			MF95
Filter class			F 8
Nominal volume flow rate	●	m³/h	4,250
Initial pressure drop		Pa	190
Initial efficiency		%	84
Minimum efficiency		%	55
Average efficiency	E_a	%	95
Average arrestance	A_a	%	> 99
Final pressure drop*		Pa	450
Dust holding capacity approx. (AC Fine / 800 Pa)		g	2,200

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

Fractional collection efficiency in new condition



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