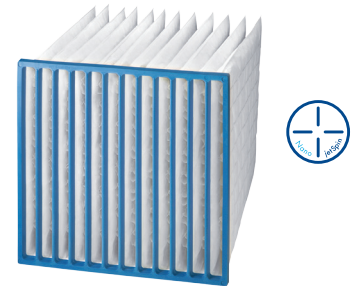


FILTRATION AT ITS FINEST THANKS TO NANO JETSPIN TECHNOLOGY



COMPACT POCKET FILTERS MF 70, MF 90, MF 95

FILTER TYPE	MERV CLASS	NOMINAL VOLUME FLOW RATE [cfm]	TEST STANDARD
MF70	13	1968	ASHRAE 52.2
MF90	15	1968	ASHRAE 52.2
MF95	16	1968	ASHRAE 52.2



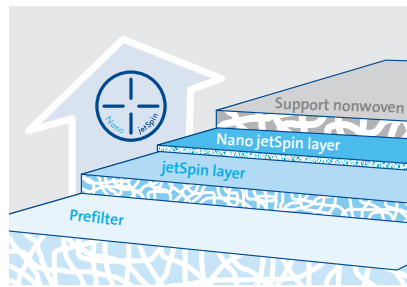
The application

MF 90, and MF95 Compact pocket filters featuring Nano jetSpin technology are used for supply, exhaust and recirculated-air filtration in ventilation systems needing special safety requirements for arrestance capability, such as

- sophisticated air-conditioning systems (hospitals, laboratories, libraries, museums, airports, etc.)
- industrial processes (chemicals, pharmaceuticals, foods and beverages, optics, electronics, etc.)
- prefilters for HEPA filters

Characteristics and benefits

- The filter media used is a **4-layered progressively structured high-performance nonwoven featuring a nano-fiber layer**, made of unbreakable, synthetic-organic fibers.



- One jetSpin layer together with one super-fine **Nano jetSpin** layer, surrounded by a prefilter and a support layer, ensures **optimum filtration of fine particles** in the heart of the media.
- MF 90 and MF95 pocket filters can be relied upon for **excellent mechanical filtration performance** under all duty conditions. The rigidity of the filter el-

ements, in combination with the very high efficiency and the favorable pressure drop of the media, ensures **exceptional durability**, high dust holding capacity, long useful lifetimes, **optimized cost-efficiency and good protection against 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 aerodynamic welded-in spacers and stable construction of the filter element as a whole.
- The pocket filters are free of glass fibers, non-corroding, **microbiologically inactive**.

Special features

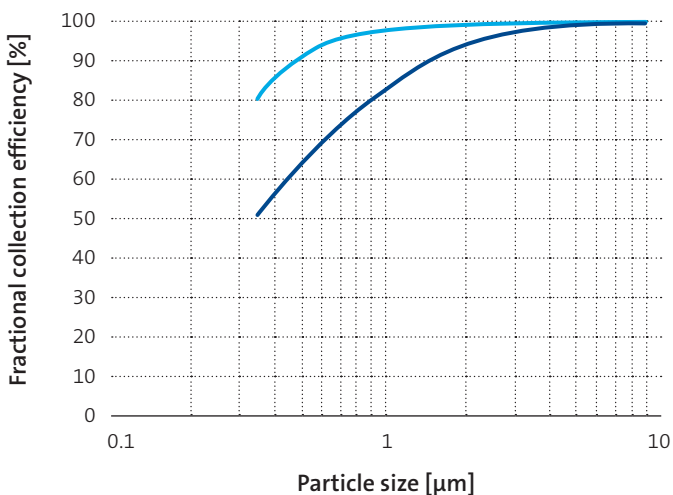
- MF 90 and MF95 Compact pocket filters meet the most stringent of requirements in fine-filtration jobs, and ensure very high clean-air quality, thus making a crucial contribution to cost-efficient operation of sensitive systems and processes.

GEOMETRIES AVAILABLE		1/1	5/6	1/2	1/4
Front frame	in	23 ³ / ₈ x 23 ³ / ₈	19 ³ / ₈ x 23 ³ / ₈	11 ³ / ₈ x 23 ³ / ₈	11 ³ / ₈ x 11 ³ / ₈
Overall depth	in	26	26	26	26
Number of pockets		8	6	4	4
Effective filtering area	ft ²	66	49.5	33	17
Weight approx.	lb	6	5.5	3.4	1.5
Moisture-resistance (rel. hum.)	%	100	100	100	100
Suitable for standard mounting frame	in	24 x 24	20 x 24	12 x 24	12 x 12

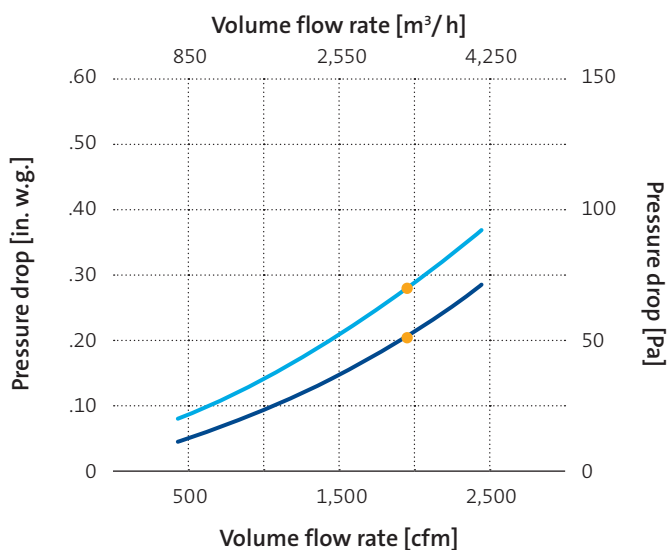


TECHNICAL FILTER TEST DATA TO ASHRAE 52.2

Fractional collection efficiency in new condition



Initial pressure drop curves



— MF 70

— MF 90

● Nominal volume flow rate

KEY DATA		MF 70	MF 90	MF 95
Nominal volume flow rate	● cfm	1,968	1,968	1,968
Initial pressure drop	in. w.g.	.20	.27	.24
Final pressure drop*	in. w.g.	1.50	1.50	1.50
ASHRAE 52.1 Equivalent Efficiency*	%	85-90%	>95%	—
Burst Strength	in. w.g.	>25	>25	>25

* 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.

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