MS-FLO STD

Pocket Filter · Meltblown Synthetic Media · EN779 / MERV / ISO 16890

FILTLAB



DESIGN FEATURES & ENGINEERING NOTES

Meltblown Synthetic Media
Electrostatically-charged meltblown fibres deliver fine particle capture with low initial resistance across all EN779 classes from M5 to F9.

Wedge-Shaped Pocket Design
Thermoplastic-spaced wedge pockets maximise media surface area per footprint, delivering high dust-holding capacity and extended service intervals.

Galvanized Steel Frame
Heavy-gauge galvanized steel ensures dimensional stability and corrosion resistance for long-term performance in demanding HVAC environments.

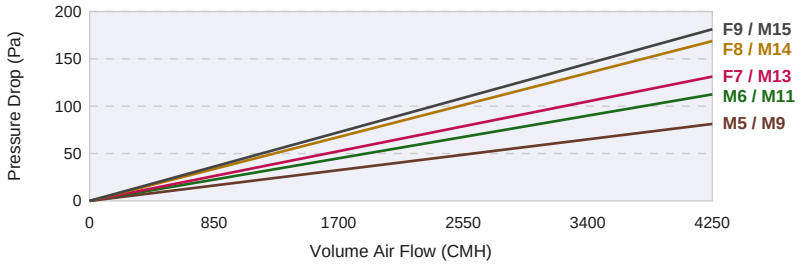
Fire & Environment Rating
Class B fire rating per DIN EN 13 501-1 : 2007. Rated to 80 °C and 100 % RH for safe deployment in commercial, industrial and process-air systems.

PERFORMANCE MATRIX — EN779 TESTED · MERV / ISO 16890 EQUIVALENT

Nominal Size W×H×D (in)	Actual Dims (mm)	Air Flow (CMH)	ASHRAE 52.2	Avg Efficiency @0.4 µm (%)	EN779	ISO 16890	ΔP Initial (Pa)	ΔP Final (Pa)
24×24×21	592×592×534	3,400	MERV 15	>95	F9	ePM1 ≥80%	145	450
12×24×21	287×592×534	1,700	MERV 15	>95	F9	ePM1 ≥80%	145	450
24×24×21	592×592×534	3,400	MERV 14	90–95	F8	ePM1 ≥65%	135	450
12×24×21	287×592×534	1,700	MERV 14	90–95	F8	ePM1 ≥65%	135	450
24×24×21	592×592×534	3,400	MERV 13	80–85	F7	ePM2.5 ≥65%	105	450
12×24×21	287×592×534	1,700	MERV 13	80–85	F7	ePM2.5 ≥65%	105	450
24×24×21	592×592×534	3,400	MERV 11	60–75	M6	ePM10 ≥60%	90	450
12×24×21	287×592×534	1,700	MERV 11	60–75	M6	ePM10 ≥60%	90	450
24×24×21	592×592×534	3,400	MERV 9	40–55	M5	ePM10 ≥50%	65	450
12×24×21	287×592×534	1,700	MERV 9	40–55	M5	ePM10 ≥50%	65	450

Measurement Method: EN779:2012 | MERV & ISO 16890 = equivalent (Eurovent REC 4/23) | Initial Resistance ±10% | Other sizes available upon request

PRESSURE DROP vs. AIRFLOW (592 × 592 mm)



BILL OF MATERIALS & OPERATING CONDITIONS

Frame	Galvanized Steel	**Max. Temperature**	80 °C
Filter Media	Synthetic Fiber Fleece (Meltblown)	**Humidity Limit**	100 % RH
Pocket Spacer	Thermoplastic Spacers	**Test Standard**	EN779 (MERV / ISO equiv.)
Sealant	Hot Melt Adhesive	**Pocket Depth**	534 mm (21 in)
Gasket	Polyurethane Foam	**Available Classes**	M5, M6, F7, F8, F9
Fire Rating	Class B — DIN EN 13 501-1 : 2007	**Applications**	HVAC / Commercial / Industrial

APPLICATION SELECTION GUIDE

EN779 / MERV	ISO 16890	Typical Application	Contaminants Removed	Pre-filter
F9 / MERV 15	ePM1 ≥80%	Pharmaceutical / Hospital OR Cleanroom ISO 7–8	Fine dust, bacteria, sub-micron particles	M5/M6 mandatory
F8 / MERV 14	ePM1 ≥65%	Commercial HVAC Data centres	Fine dust, pollen, mould spores	M5 recommended
F7 / MERV 13	ePM2.5 ≥65%	Industrial / Offices Retail & transport	Coarse/medium dust, pollen, fibres	G4 minimum
M6 / MERV 11	ePM10 ≥60%	General HVAC Commercial Offices	Medium dust, pollen, coarse fibres	M5 optional
M5 / MERV 9	ePM10 ≥50%	Industrial Pre-filtration General Ventilation	Coarse dust, sand, large fibres	None required