G-PA

Glass-Fiber Paint Spray Filter · MERV / ISO 16890

FILTLAB



DESIGN FEATURES & ENGINEERING NOTES

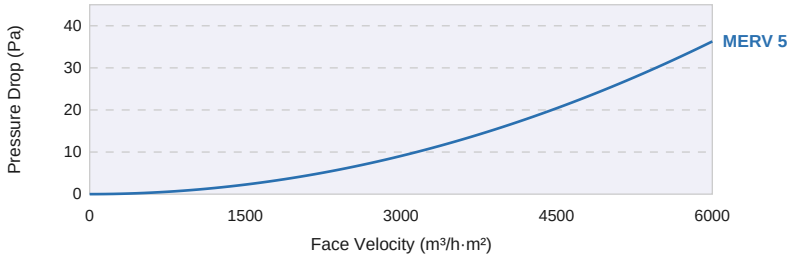
Progressive Glass-Fiber Media Spun glass-fiber fabric with compression on the pure-air side ensures progressive particle capture, maximising dust-holding capacity per unit depth.	**No Wetting Agent** Completely dry glass-fiber construction with zero wetting agents eliminates odour emission and secondary contamination risk in precision spray environments.
Non-Inflammable Construction Glass-fiber medium classified F1/K1 per DIN 53438, satisfying fire-safety requirements of paint spray booths and industrial coating installations.	**Moisture-Resistant Medium** Insensitive to moisture and humidity variations; maintains structural integrity and filtration performance at relative humidity up to 100%.
High-Temperature Rated Continuous operating temperature rated to 120 °C, suitable for heated spray booths, industrial dryers, and high-temperature HVAC exhaust systems.	**High Paint-Mist Arrestance** Mean arrestance ≥97.0% captures paint overspray, aerosol mist, and airborne pigment particles, protecting downstream equipment.

PERFORMANCE MATRIX — MERV / ISO 16890 EQUIVALENT

Roll Size (W × L × D)	Filter Area (m²)	ASHRAE 52.2	Arrestance (%)	ISO 16890	Rated Flow (m³/h·m²)	ΔP Initial (Pa)	Max ΔP (Pa)
2 × 20 m × 75 mm	40	MERV 5	≥97%	ISO Coarse	2,500–6,300	7–40	80
1 × 20 m × 75 mm	20	MERV 5	≥97%	ISO Coarse	2,500–6,300	7–40	80
0.75 × 20 m × 75 mm	15	MERV 5	≥97%	ISO Coarse	2,500–6,300	7–40	80
0.7 × 20 m × 75 mm	14	MERV 5	≥97%	ISO Coarse	2,500–6,300	7–40	80
0.5 × 20 m × 75 mm	10	MERV 5	≥97%	ISO Coarse	2,500–6,300	7–40	80

MERV & ISO 16890 = equivalent | Initial Resistance ±10% | Other sizes available upon request

PRESSURE DROP vs. FACE VELOCITY (G-PA — Universal per m²)



BILL OF MATERIALS & OPERATING CONDITIONS

Filter Medium	Spun Glass Fiber	**Max. Temperature**	120 °C
Medium Side	Compression on Pure-Air Side	**Max. Humidity**	100% RH
Wetting Agent	None	**Rated Face Vel.**	2,500–6,300 m³/h·m²
Odour	Odorless	**Initial ΔP**	7–40 Pa
Fire Class	F1/K1 (DIN 53438)	**Max Allowed ΔP**	80 Pa
Flammability	Non-Inflammable	**Applications**	Paint Spray / HVAC

APPLICATION SELECTION GUIDE

MERV	ISO 16890	Typical Application	Contaminants Removed	Pre-filter
MERV 5	ISO Coarse	Paint Spray Booths	Paint mist, overspray, pigment	Coarse pre-filter optional
MERV 5	ISO Coarse	HVAC / AHU Pre-Filter	Coarse dust, pollen, fibres	None required
MERV 5	ISO Coarse	Industrial Exhaust ≤120 °C	Fumes, fibre, hot particulates	None required