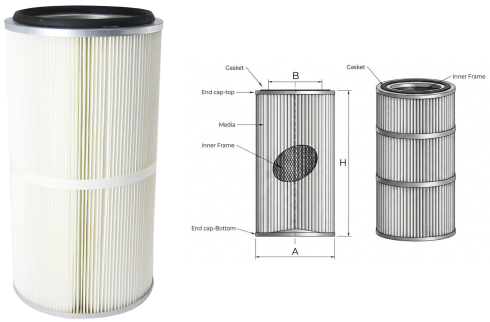
CARTRIDGE FILTER

Pleated Polyester Media · Dust Collector Series · OD 325 × H 600 mm

FILTLAB



DESIGN FEATURES & ENGINEERING NOTES

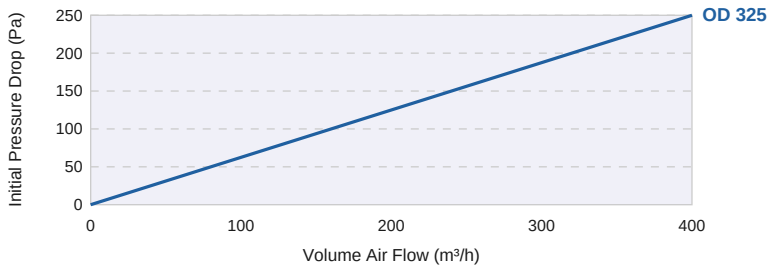
Pleated Polyester Media Approximately 15 m² of pleated polyester packed into a 325 mm cartridge body, delivering over 99% collection efficiency with a compact footprint.	**Galvanized End Caps** Galvanized top and bottom end caps hold the pleat pack square and resist deformation from repeated cleaning cycles and handling.
Expanded Metal Inner Frame An expanded metal core supports the media pack against collapse at full differential pressure and keeps pleat spacing uniform.	**Oil & Moisture Resistance** Rated good for oil and water contact and fair for hydrolysis — suited to damp extraction ducts and oil-mist laden air streams.
Chemical Resistance Good resistance to acidic environments and fair resistance to alkaline dust, covering chemical processing and cement plant duty.	**Broad Industrial Duty** Applied across metal machining, woodworking, welding fume, powder coating, food, pharmaceutical and mineral processing collectors.

PERFORMANCE MATRIX — DUST COLLECTOR CARTRIDGE

Model	Dimensions OD × ID × H (mm)	Media Area (m²)	Filter Type	Rated Air Flow (m³/h)	Air-to-Cloth (m³/h·m²)	ΔP Initial (Pa)	Efficiency
CF-325600	325 × 215 × 600	~15	Dust Collector	320	21.3	200	>99%

Air-to-cloth ratio is derived from rated air flow divided by media area. Change-out differential pressure is set by the dust collector control system and is not a filter rating. Custom heights and end-cap configurations available on request.

PRESSURE DROP vs. AIRFLOW (OD 325 × H 600 mm)



BILL OF MATERIALS & OPERATING CONDITIONS

Filter Media	Pleated Polyester	**Overall Height**	600 mm
End Caps	Galvanized (top & bottom)	**Media Area**	~15 m²
Inner Frame	Expanded Metal	**Oil & Water**	Good
Gasket	Sealing ring (on request)	**Hydrolysis**	Fair
Outer Diameter	325 mm	**Acid Resistance**	Good
Inner Diameter	215 mm	**Alkali Resistance**	Fair

APPLICATION SELECTION GUIDE

Industry	Typical Application	Contaminants Removed	Notes
Metal & Fabrication	Grinding, turning, milling, CNC machining; MIG / TIG / plasma welding booths	Fine metallic particles, sub-micron welding fume and oxide smoke	Ferrous and non-ferrous workshops
Wood & Mineral	Furniture factories, sawmills, joinery; quarrying, stone crushing, aggregate plants	Wood chips, fine sawdust, MDF fibre, resin particles, mineral dust	High-capacity continuous duty
Chemical & Cement	Chemical plant ventilation, process exhaust; cement, batching and ready-mix plants	Oil mist, solvent vapour, mild acid, heavy alkaline dust	Acid good · alkali fair
Food & Pharma	Flour, sugar, spice, grain and cocoa handling; API manufacturing, tablet coating	Food dust, powder carry-over, granulation fines	Hygiene and containment duty
Surface Finishing	Powder coating booths, sandblasting booths, metal casting foundries	Coating powder overspray, abrasive grit, sand, metallic dust	Maintains booth air balance