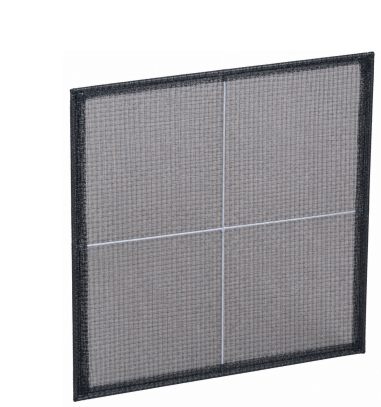
PP-NET-FILTER

Coarse Pre-Filter (Washable Mesh) · High Airflow · Low Pressure Drop

FILTLAB® FILTRATION SOLUTIONS



DESIGN FEATURES & ENGINEERING NOTES

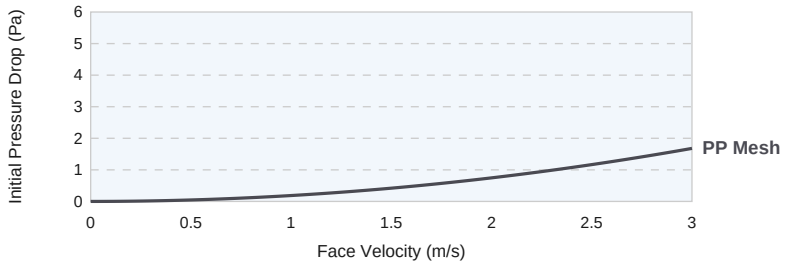
Washable & Reusable Rinse clean with water and reinstall. Repeated washing without deformation lowers replacement cost and maintenance downtime.	**High Airflow, Low Resistance** Open mesh structure passes high air volume with an initial pressure drop of only 0.42 Pa at 1.5 m/s, keeping fan energy low.
Coarse Pre-Filtration Stops lint, fibres, insects and large dust ahead of the main filter, extending the service life of downstream medium and HEPA filters.	**Strong & Durable Construction** Polypropylene / nylon mesh resists tearing and abrasion for long-term service in demanding air-handling environments.
Multiple Frame Options Supplied with a wire frame cover or an aluminium frame in 9, 12, 16, 19 or 22 mm thickness to suit diverse AHU and HVAC units.	**Moisture & Chemical Resistant** PP / nylon media is unaffected by humidity and washing, holding its shape and performance at relative humidity up to 100%.

PERFORMANCE MATRIX — COARSE PRE-FILTER (WASHABLE MESH)

Mesh Option	Density (fibre/in²)	Air Permeability (%)	Dust Arrestance* (%)	Panel Size (W x H)	ΔP Init / Final (Pa)
PP-38	38 ± 2	72.63	70	500×500 mm or custom	0.42 / 5.0
PP-46	46 ± 2	70.72	80	500×500 mm or custom	0.42 / 5.0

**Average dust arrestance with 100 µm test dust — not an EN 779 / ISO 16890 class. Standard panel 500 x 500 mm, other sizes made to order; media also supplied in 1.20 x 60 m rolls. Pressure drop at 1.5 m/s face velocity, clean (initial) and loaded (final).*

PRESSURE DROP vs. FACE VELOCITY (PP-NET-FILTER)



BILL OF MATERIALS & OPERATING CONDITIONS

Filter Type	Coarse Pre-Filter (Washable Mesh)	**Standard Size**	500 x 500 mm (or custom)
Media Material	PP plastic pellets (Grade A)	**Air Velocity**	1.5 m/s
Media Colour	Black or White	**Initial / Final ΔP**	0.42 / 5.0 Pa
Mesh Options	PP-38 / PP-46	**Dust Holding**	85 g
Media Roll	1.20 m x 60 m	**Max. Temperature**	80 °C
Frame Options	Wire / Alu. 9–22 mm	**Humidity / Care**	100% RH · Washable · Incinerable

APPLICATION SELECTION GUIDE

Type	Typical Application	Contaminants Removed	Installed Ahead Of	Service
Coarse Pre-Filter	AHU / HVAC Pre-Filter	Coarse dust, lint, fibres, insects	Panel / bag filters	Washable · reusable
Coarse Pre-Filter	Protect Higher-Grade Filters	Large particulates, debris, hair	Medium & HEPA filters	Washable · reusable
Coarse Pre-Filter	Cooling Coil / Air Intake Screen	Airborne debris, pollen, leaves	Coils & intake louvres	Washable · reusable