ULTRAFLO-V

HEPA Filter · Mini V-shape Galvanized Frame Series · EN1822 / ISO 29463

FILTLAB



DESIGN FEATURES & ENGINEERING NOTES

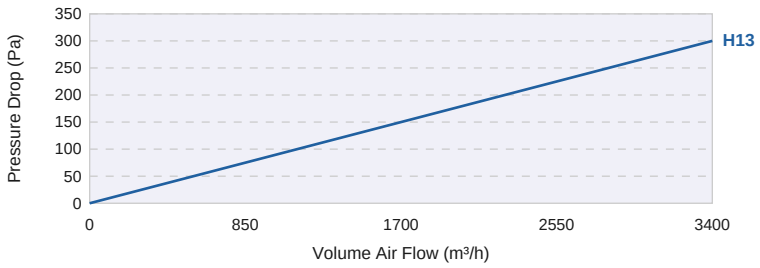
Ultra-clean Filter Media Micro glass fiber media delivers certified ≥99.95% efficiency at MPPS, meeting EN1822 H13 requirements for cleanroom and critical filtration.	**Mini V-shape Design** Pleated V-shape media in galvanized frame maximises filtration area per unit footprint, reducing resistance and extending service life.
Certified H13 Performance H13 efficiency grade, verified by EN1822 type test — suitable for pharmaceutical, food & beverage and health care.	**Positive Sealing System** Polyurethane sealant bonded to EPDM/Neoprene gasket delivers zero-bypass performance at rated housing compression torque.
Metal-free Separator Hot-melt pleat separator eliminates metallic contamination risk in food and pharmaceutical processes without galvanic corrosion.	**Wide Environmental Range** Rated to 70°C and 95% RH enabling reliable deployment in AHU, cleanroom, food & beverage and health care HVAC systems.

PERFORMANCE MATRIX — EN1822 / ISO 29463

Nominal Size W×H×D (in)	Actual Dims (mm)	Air Flow (m³/h)	ASHRAE 52.2	Efficiency MPPS (%)	EN1822	ISO 29463	ΔP Initial (Pa)	ΔP Final (Pa)
12×24×12	305×610×292	1,700	HEPA	≥99.95	H13	ISO 29463 H13	300	500
24×24×12	610×610×292	3,400	HEPA	≥99.95	H13	ISO 29463 H13	300	500

Measurement Method: EN1822:2019 & ISO 29463:2017 | Initial Resistance ±10% | Other sizes available upon request

PRESSURE DROP vs. AIRFLOW (610 × 610 mm)



BILL OF MATERIALS & OPERATING CONDITIONS

Frame	Galvanized Steel	**Max. Temperature**	70 °C
Filter Media	Micro Glass Fiber	**Humidity Limit**	95% RH
Separator	Hot Melt	**Fully Incinerateable**	No (metal frame)
Sealant	Polyurethane	**Test Standard**	EN1822 / ISO 29463
Gasket	EPDM, Neoprene	**Test Aerosol**	MPPS (EN1822)
Metal Parts	Frame only	**Applications**	AHU / Cleanroom / HVAC

APPLICATION SELECTION GUIDE

EN1822	ISO 29463	Typical Application	Contaminants Removed	Pre-filter
H13	ISO 29463 H13	Pharmaceutical / Hospital Cleanroom ISO 5–8	Sub-micron particles, bacteria, viruses	F7/F8/F9 mandatory