ULTRAFLO-DP

HEPA Filter · Deep Pleat Aluminum Separator · 292 mm (12 in) · EN1822 / ISO 29463

FILTLAB



DESIGN FEATURES & ENGINEERING NOTES

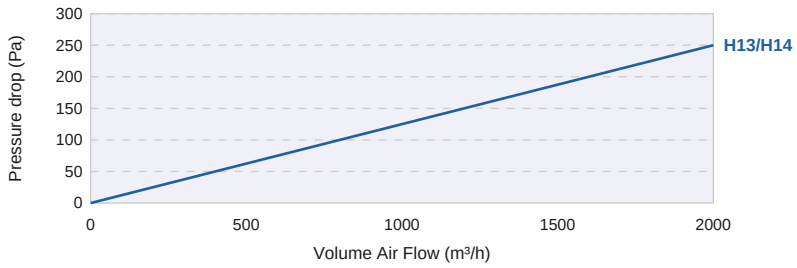
Ultra-clean Filter Media Micro glass fiber media delivers certified 99.99% efficiency at 0.3 µm, meeting H13 requirements for cleanroom, food & beverage and health care filtration.	**Deep Pleat & Aluminum Separator** Precision aluminum foil separators maintain consistent pleat spacing throughout, maximising effective filtration area and ensuring uniform airflow distribution.
H13 & H14 Efficiency Available Available in H13 and H14 efficiency grades — suitable for pharmaceutical, food & beverage, health care and critical industrial air handling applications.	**Positive Sealing System** Polyurethane sealant bonded to EPDM/Neoprene gasket delivers zero-bypass performance at rated housing compression torque, preventing unfiltered air leakage.
Versatile Frame Construction Available in Plywood, MDF, or Galvanized steel frames to meet diverse installation requirements, structural needs, and application environments.	**Wide Environmental Range** Rated to 70 °C and 95 % RH enabling reliable deployment in AHU, cleanroom, food & beverage and health care HVAC systems year-round.

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	1,000	HEPA	≥99.95	H13	ISO 29463 H13	250	500
24×24×12	610×610×292	2,000	HEPA	≥99.95	H13	ISO 29463 H13	250	500
30×24×12	762×610×292	2,500	HEPA	≥99.95	H13	ISO 29463 H13	250	500
36×24×12	915×610×292	3,000	HEPA	≥99.95	H13	ISO 29463 H13	250	500
12×24×12	305×610×292	1,000	HEPA	≥99.995	H14	ISO 29463 H14	250	500
24×24×12	610×610×292	2,000	HEPA	≥99.995	H14	ISO 29463 H14	250	500
30×24×12	762×610×292	2,500	HEPA	≥99.995	H14	ISO 29463 H14	250	500
36×24×12	915×610×292	3,000	HEPA	≥99.995	H14	ISO 29463 H14	250	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	Plywood / MDF / Galvanized	**Max. Temperature**	70 °C
Filter Media	Micro Glass Fiber	**Humidity Limit**	95% RH
Separator	Aluminum, PET	**Efficiency H13**	99.95% MPPS
Sealant	Polyurethane	**Test Standard**	EN1822 / ISO 29463
Gasket	EPDM, Neoprene	**Applications**	AHU / Cleanroom / Food & Bev / Healthcare

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
H14	ISO 29463 H14	Semiconductor / Life Science Aseptic & BSL facilities	Ultra-fine particles, aerosolised biologicals	F9 mandatory