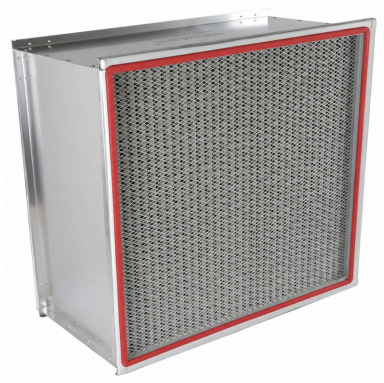
ULTRAFLO-HT

HEPA Filter · High Temperature Aluminum Frame Series · 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 MPPS, meeting EN1822 H13 requirements for HEPA-grade critical filtration.

Deep Pleat & Aluminum Separator
Deep pleated construction with aluminum separators maximizes media area per unit footprint, reducing resistance and maintaining structural rigidity at high temperatures.

High-Temperature Resistance
Rated for continuous operation at 250°C–350°C (selectable), designed for industrial process air, food & beverage and pharmaceutical thermal applications.

H13 HEPA Grade
EN1822-certified H13 efficiency grade, verified by type test — suitable for cleanroom ISO 5–8, BSL facilities and aseptic environments.

Positive Sealing System
Polyurethane sealant bonded to EPDM/Neoprene gasket ensures verified zero-bypass performance at rated housing compression torque.

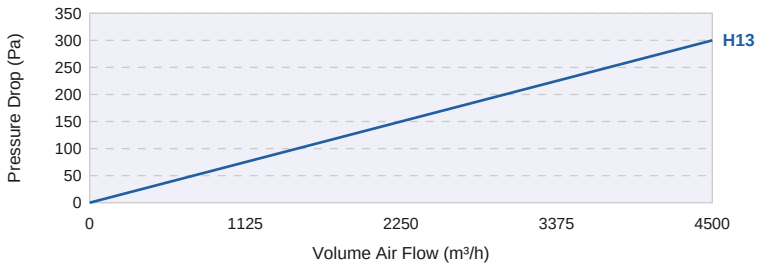
Versatile Frame Options
Frame available in Galvanized Steel, Stainless Steel, or Aluminum to suit diverse AHU, food & beverage and health care installation environments.

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)
24×24×6	610×610×150	1,700	HEPA	≥99.95	H13	ISO 29463 H13	250	500
12×24×6	305×610×150	850	HEPA	≥99.95	H13	ISO 29463 H13	250	500
12×12×12	305×305×292	750	HEPA	≥99.95	H13	ISO 29463 H13	250	500
12×24×12	305×610×292	1,500	HEPA	≥99.95	H13	ISO 29463 H13	250	500
24×24×12	610×610×292	3,000	HEPA	≥99.95	H13	ISO 29463 H13	250	500
36×24×12	915×610×292	4,500	HEPA	≥99.95	H13	ISO 29463 H13	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	Galvanized Steel / Stainless Steel / Aluminum
Filter Media	Micro Glass Fiber
Separator	Aluminum, PET
Sealant	Polyurethane
Gasket	EPDM, Neoprene

Max. Temperature	250–350 °C
Humidity Limit	95% RH
Fully Incinerateable	No
Test Standard	EN1822 / ISO 29463
Applications	AHU / Food & Beverage / Health Care

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