

HEPA-Filter Elements, Type H13



**HEPA-Filter Elements
with Tapered Aluminium
Separators, Type H13**

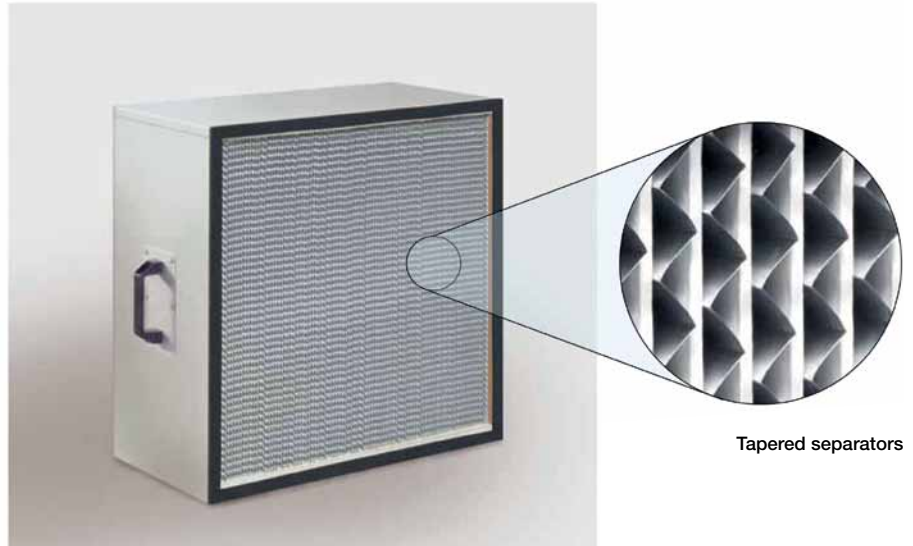
Krantz HEPA-filter elements are classified H13, acc. DIN EN1822. They are designed to handle higher airflow than the corresponding filter elements of other companies. The increased airflow capacity of Krantz filter elements is the result of swallow crimp separators that have a lower profile (shorter height), this permits more pleats and, as a result, more media.

Krantz HEPA-filter elements offers many advantages like:

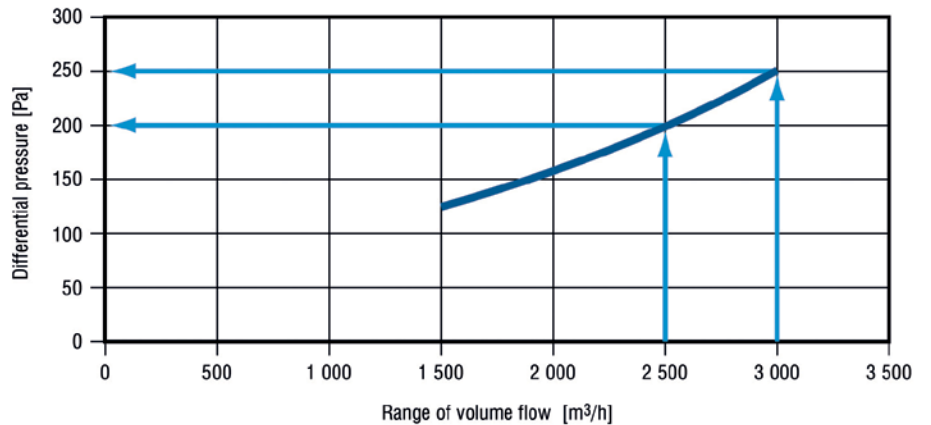
- For new installations fewer filter elements are required, the result is that less space is required for the new installation place.
- For installations which are already equipped:
 - lower resistance, lower energy cost, and substantially longer life
 - tapered separators provide a high retention capacity.
- Result of the high retention capacity, the lifetime of the filter elements extends
- Factory testing for each filter element – your assurance that it meets the rated efficiency
- Easy installation

Typical applications

- Nuclear industry
- BSL 3/4 laboratories
- Pharmaceutical industry
- Special applications with special requirements



Krantz HEPA-filter element, H13



Standard HEPA-filter element 610/610/292 [mm],
initial pressure at flow rate 3,000m³/h ≤ 250 Pa

General

All Krantz HEPA filter elements will be packed separately into cartons and clustered on pallets with protection foil.

Standard-sizes and capacity

Size in mm without sealing ¹⁾			Flow rate			Initial Δp
H ²⁾	W	D	m ³ /h	m ³ /s	m/s	Pa
305	305	292	750	0.21	2.25	≤ 250
305	610	292	1 500	0.42	2.25	≤ 250
610	610	292	3 000	0.83	2.25	≤ 250
762	610	292	3 750	1.04	2.25	≤ 250

¹⁾ Other sizes are available.

²⁾ The height dimension H marks the vertical position of the separators.
Krantz filter elements should always be installed with vertical separators.

Technical data

Fabricate:	Krantz
Type:	HEPA-filter element, H13
Media:	Waterproof fiber glass
Cell side material:	Galvanised steel plate, stainless steel, MDF, aluminium profile
Separators:	Aluminium, high-performance folding
Binding material:	Cold vulcanised resin
Sealing:	6 mm flat section, neoprene
Separating efficiency:	H13 99.95 % @ MPPS acc. DIN EN 1822
Initial pressure drop (Δp):	$\leq 250 \text{ Pa}^1$ at flow rate $3\,000 \text{ m}^3/\text{h}$
Final pressure drop (Δp):	1 500 Pa
Temperature resistance:	90 °C

¹⁾ Hint: These are the max. upper limits, which will not be exceeded by tolerances (like $\pm 15 \%$).

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