

HEPA-Filter Elements, Type H14



HEPA-Filter Elements with Tapered Aluminium Separators, Type H14

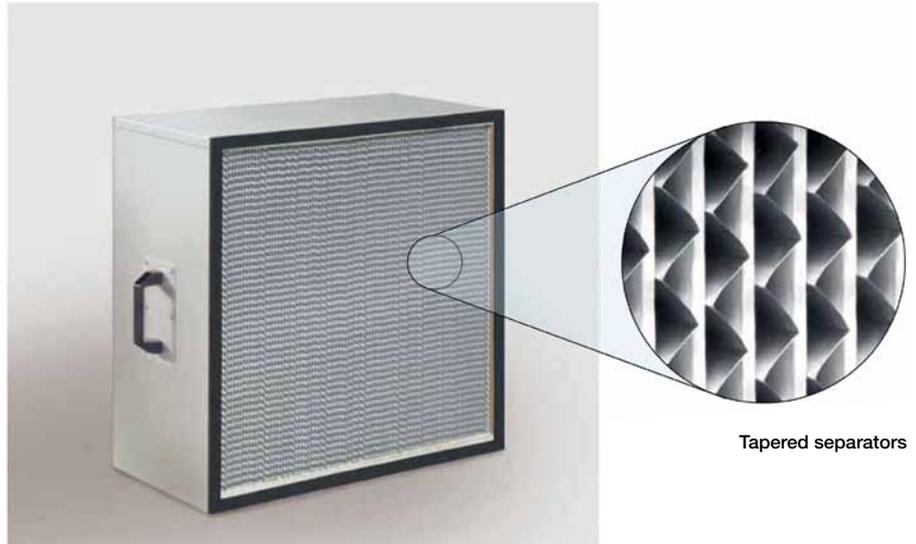
Krantz HEPA-filter elements are classified H14, acc. DIN EN 1822. They are designed to handle higher airflow than the corresponding filter elements of other companies. The increased airflow capacity of the Krantz filter elements is the result of swallow crimp separators that have a lower profile (shorter 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 provides 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

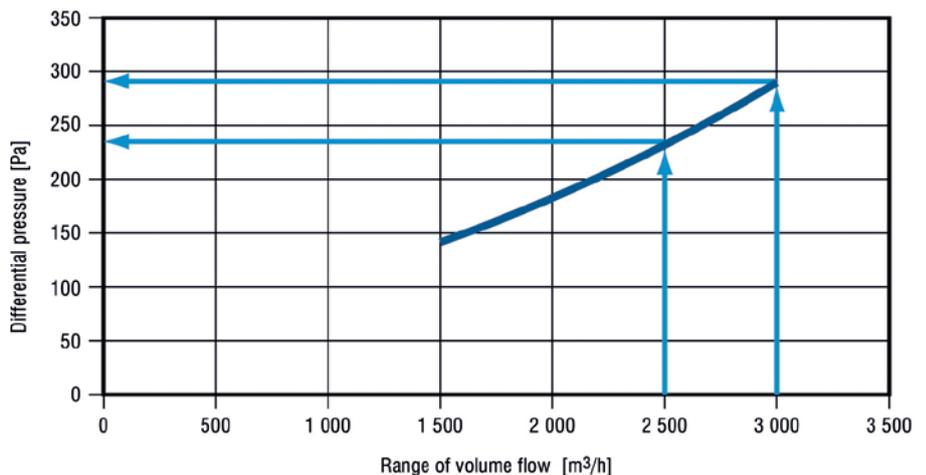
Typical applications

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



Tapered separators

Krantz HEPA-filter element, H14



Standard HEPA-filter element 610/610/292 [mm], initial pressure at flow rate 2,500m³/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	675	0.21	2.25	< 250
610	305	292	1 375	0.42	2.25	< 250
610	610	292	2 750 ³⁾	0.83	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.

³⁾ If higher flow rates with reduced initial Δp are required see special HEPA filter element

Technical data

Fabricate:	Krantz
Type:	HEPA-filter element, H14
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:	H14 99.995 % @ MPPS acc. DIN EN 1822
Initial pressure drop (Δp):	< 250 Pa ¹⁾ at flow rate 2 500 m ³ /h
Initial pressure drop (Δp):	< 300 Pa ¹⁾ at flow rate 3 000 m ³ /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 ± 15 %).

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The logo for Krantz GmbH, featuring the word "Krantz" in a stylized, blue, cursive script font.