

## Special HEPA-Filter Element, Type H14



**HEPA-Filter Elements  
with Tapered Aluminium  
Separators, Type H14**

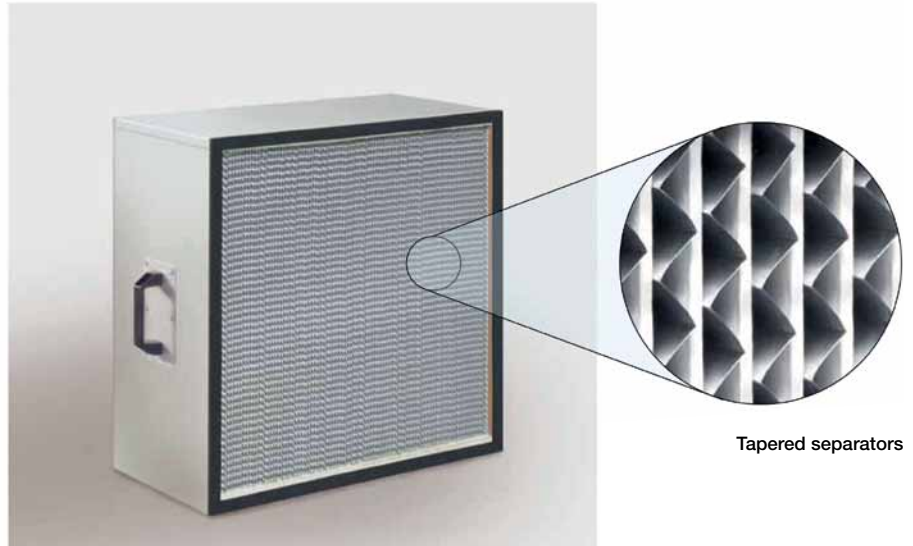
Krantz HEPA-filter elements are classified H14, acc. DIN EN 1822. They are designed to handle higher airflow than the corresponding filter elements of other companies. The increased airflow capacity of the Krantz filter elements is the result of swallow crimp separators that have a lower profile (shorter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

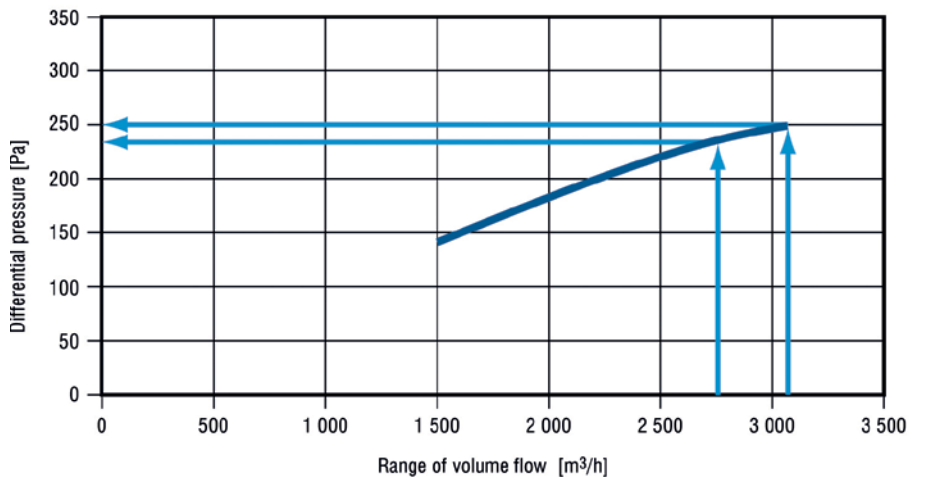
**Typical applications**

- 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 2,500 m³/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 <sup>1)</sup>			Flow rate			Initial $\Delta p$
H <sup>2)</sup>	W	D	m <sup>3</sup> /h	m <sup>3</sup> /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 <sup>3)</sup>	0.83	2.25	< 250

<sup>1)</sup> Other sizes are available

<sup>2)</sup> The height dimension H marks the vertical position of the separators.

Krantz filter elements should always be installed with vertical separators.

<sup>3)</sup> If higher flow rates with reduced initial  $\Delta p$  are required see special HEPA filter element

For special applications where a high flow rate and a low initial pressure is required Krantz provide a special HEPA-filter element, H14.

### Technical data

Fabricate:	Krantz
Type:	Special 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 ( $\Delta p$ ):	< 230 Pa <sup>1)</sup> at flow rate 2 750 m <sup>3</sup> /h
Initial pressure drop ( $\Delta p$ ):	< 250 Pa <sup>1)</sup> at flow rate 3 000 m <sup>3</sup> /h
Final pressure drop ( $\Delta p$ ):	1 500 Pa
Temperature resistance:	90 °C

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

## Contacts

Caverion Deutschland GmbH  
Riesstraße 25  
80992 München, Germany  
Phone: +49 89 374288-500  
Fax: +49 89 374288-520

Krantz Filter Systems and Dampers  
Uersfeld 24  
52072 Aachen, Germany  
Phone: +49 241 434-1  
Fax: +49 241 434-500

Production workshop  
Mallersdorf  
Schillerstraße 16  
84066 Mallersdorf-Pfaffenberg, Germany

Claus Schweinheim  
Division Manager  
Krantz Filter Systems and Dampers  
Phone: +49 241 434-501  
Fax: +49 241 434-500  
Mobile: +49 173 3888718  
email: [claus.schweinheim@krantz.de](mailto:claus.schweinheim@krantz.de)

Reinhold Goettgens  
Sales Manager  
Phone: +49 241 434-269  
Fax: +49 241 434-500  
Mobile: +49 174 1658185  
email: [reinhold.goettgens@krantz.de](mailto:reinhold.goettgens@krantz.de)