

# HEPA Filters of Class H 13 / H 14

## 150 mm Frame Depth / 50 mm Pleat Depth

### The application

Viledon High Efficiency Particulate Air (HEPA) filters of Class H 13 / H 14 are used for intake, exhaust and recirculating air filtration of ventilation systems requiring the highest clean air quality and sterility, such as

- ▶ in sophisticated air-conditioning applications (operating theatres / intensive care units of hospitals, labs, cleanrooms etc.)
- ▶ in highly sensitive industrial processes
- ▶ as final filters in ceiling outlets.

### The special features and benefits

- ▶ High-efficiency micro-glassfiber papers are used as filter media.
- ▶ The mini-pleat technique applied ensures **flow-optimized geometry and equidistance of the pleats**, and therefore **homogeneous air passage at a very low pressure drop**. This results in remarkably **economical and reliable operation** as well as **quasi-laminar downstream air flow**.
- ▶ **Each filter element is tested** according to EN 1822 and supplied with the individual **test certificate**.
- ▶ The frame consists of medium-density fiber board (MDF) and is **fully incinerable**.
- ▶ Continuous, homogeneously foamed-on polyurethane gasket; on request available with a flat gasket.
- ▶ **Protection grids** on request.
- ▶ The entire filter element is **non-corroding** and **easy to dispose of**, as it is metal-free.



**viledon®**

Image exemplarily

Parameters	Product line SF 13	Product line SF 14
Filter minimum efficiency for MPPS* according to EN 1822	≥ 99,95 %	≥ 99,995 %
Recommended final pressure drop	600 Pa	600 Pa
Max. permissible pressure drop	1000 Pa	1000 Pa
Thermal stability	70 °C	70°C
Humidity resistance, rel. humidity	bis 100 %	bis 100 %

\* MPPS = Most Penetrating Particle Size

Dimensions + gasket (mm)	Pleat depth (mm)	Product line SF 13 Volume flow rate at 250 Pa (m³/h)	Product line SF 14 Volume flow rate at 120 Pa (m³/h)
305 x 305 x 150+6	50	300	150
305 x 610 x 150 +6	50	600	300
457 x 457 x 150 +6	50	680	340
610 x 610 x 150 +6	50	1200	600

**Freudenberg**

# Product line SF 13 / SF 14

## 150 mm frame depth / 50 mm pleat depth

### Item code

<b>Example:</b>	<b>SF 13</b>	<b>- M</b>	<b>- 0610</b>	<b>x 0610</b>	<b>x 150</b>	<b>x 05</b>	<b>- N</b>	<b>1</b>	<b>0</b>	<b>N</b>
	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼
	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>K</b>

#### A HEPA filter

SF 13 = Filter class H 13 acc. to EN 1822  
SF 14 = Filter class H 14 acc. to EN 1822

#### B Frame material

M = MDF (medium-density fiber board)

#### C Frame width / mm, 4 digits

#### D Frame length / mm, 4 digits

#### E Frame depth / mm, 3 digits

#### F Pleat depth / cm, 2 digits

#### G Type of gasket

N = PU semicircular profile gasket  
W = flat gasket

#### H Position of gasket

1 = one side

#### I Protection grid

0 = without  
3 = both sides / powder-coated metal mesh

#### K Execution

N = Standard  
S = Special version

**Other sizes and variants are available on request.**

The figures given are mean values subject to tolerances due to the normal production fluctuations. Our explicit written confirmation is always required for the correctness and applicability of the information involved in any particular case. Subject to technical alterations.

**Freudenberg Filtration Technologies KG**

69465 Weinheim / Germany

Tel. +49 (0) 6201 / 80-6264 | Fax +49 (0) 6201 / 88-6299

viledon@freudenberg-filter.com | www.viledon-filter.com

