

FILTER WITH ALUMINUM PLENUM H14

PRELIMINARY

viledon®

COMPACT AND LIGHTWEIGHT FOR FLEXIBLE INSTALLATION



APPLICATION

- Intake and recirculating air filtration of clean rooms and flexible cleanroom systems requiring the highest clean air quality and sterility
- In hospitals /medical institutes, pharmacies, sterile rooms, labs, research centers etc.
- In highly sensitive industrial processes (pharmaceuticals, biotechnology, chemicals, optics, food/beverages, micro-electronics)

| KEY DATA | SF14- A-0305X0610X150X05- Z02H-AL-250X50 | SF14- A-0610X0610X150X05- Z02H-AL-250X50 | SF14- A-0610X0915X150X05- Z02H-AL-250X50 | SF14- A-0610X1220X150X05- Z02H-AL-250X50 |
|--------------------------------------|--|--|--|--|
| Article number | 53562882 | 53553440 | 53447038 | 53570657 |
| Dimensions (W x H x D) [mm] | 305 x 610 x 150 | 610 x 610 x 150 | 610 x 915 x 150 | 610 x 1220 x 150 |
| Filter class acc. to EN 1822 | H14 | | | |
| MPPS efficiency [%] ¹ | ≥ 99,995 | | | |
| Filter class acc. to ISO 29463 | ISO 45 H | | | |
| Nominal volume flow [m³/h] | 280 | 600 | 900 | 1,200 |
| Initial pressure drop [Pa] | 140 | | | |
| Recommended final pressure drop [Pa] | 600 | 600 | | 600 |
| Filter area [m²] | 5.5 | 11.0 | | 22.0 |
| Thermal stability [°C] | 70 | 70 | | 70 |
| Dimensions L [mm] | 610 | 610 | 915 | 1,220 |
| Seal position | Ohne | Ohne | | Ohne |

¹ MPPS: Most Penetrating Particle Size efficiency [%]

MEDIA AND CONSTRUCTION CHARACTERISTICS

- High-efficiency micro-glass-fiber papers.
- MiniPleat technology ensures flow-friendly geometry and equidistance of the pleats.
- Frame consists of extruded, anodized aluminum and is extremely solid and moisture-resistant.
- Airtight, cast-in aluminum plenum hood on the upstream side.
- Protection grid on the clean air side made from powder-coated expanded metal and a connection for measuring aerosol/pressure drop.

FEATURES AND PLUSES

- Particularly cost-efficient and dependable operation plus a quasi-laminar outflow.
- Homogeneous media velocity coupled with a very low pressure drop.
- Easy handling and mounting, as the units are distortion-resistant and exceptionally lightweight.
- Each filter element is tested for leakproofing in accordance with EN 1822, and delivered together with the corresponding test certificate.
- On request with an integrated adjustable damper and/or clean-airside flat gasket.
- Also available in filter classes H13 and U15.

The information or figures given are subject to tolerances due to normal production fluctuations. Our explicit written confirmation is required in each case for the correctness of the information. Subject to technical alterations. You will find instructions on how to handle and dispose of loaded filters in our information on product safety and eco-compatibility.

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Contact us

www.freudenberg-filter.com

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