

HIGH VOLUME FLOW FILTERS H14

viledon®

EFFICIENT AIR FILTRATION IN CLEANROOMS

APPLICATION

- Intake, exhaust and recirculated air filtration in cleanrooms in air-conditioning systems with ultra-stringent requirements for clean air quality and sterility
- Sophisticated air-conditioning applications (intensive care units of hospitals and medical institutes, labs, sterile rooms, etc.)
- In sensitive industrial processes (pharmaceuticals, biotechnology, chemicals, optics, food / beverages, micro-electronics, etc.)



KEY DATA	SF14- B-0288x0593x292/ V06x25-N10N	SF14- B-0305x0305x292/ V06x25-N10N	SF14- B-0305x0610x292/ V06x25-N10N	SF14- B-0593x0593x292/ V12x25-N10N	SF14- B-0610x0610x292/ V12x25-N10N
Article number	53417294	53415772	53418697	53429101	53412194
Dimensions (W x H x D) [mm]	288 x 593 x 292	305 x 305 x 292	305 x 610 x 292	593 x 593 x 292	610 x 610 x 292
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]	1,800	1,000	2,000	3,600	4,000
Initial pressure drop [Pa]	320				
Recommended final pressure drop [Pa]	600		600	600	
Filter area [m²]	9		18	37	
Thermal stability [°C]	70		70	70	
Dimensions L [mm]	593	305	610	593	610
Seal position	Clean air side		Clean air side	Clean air side	

¹ MPPS: Most Penetrating Particle Size efficiency [%]

MEDIA AND CONSTRUCTION CHARACTERISTICS

- High-efficiency micro-glass-fiber papers.
- MiniPleat technology and V-shaped configuration of the pleat package for particularly large filtering area for maximum air flow rate.
- Frame consists of galvanized steel or stainless steel sheeting and is extremely solid and moisture-resistant.
- Microbiologically inactive and meet all hygiene requirements of the German VDI Guideline 6022.

FEATURES AND PLUSES

- Particularly cost-efficient and dependable operation with a very long lifetime.
- Homogeneous media velocity coupled with a very low pressure drop.
- Recessed grips at the side and a gripping lug for easy handling and installation.
- Each filter element is tested for leakproofing in accordance with EN 1822, and delivered together with the corresponding test certificate.
- Continuous and homogeneously foamed-on profile gasket made of polyurethane, also available with a flat gasket on request.

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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