

# HIGH VOLUME FLOW FILTERS H13

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	SF13-B-0288x0593x292/ V06x25-N10N	SF13-B-0305x0305x292/ V06x25-N10N	SF13-B-0305x0610x292/ V06x25-N10N	SF13-B-0593x0593x292/ V12x25-N10N
Article number	53412638	53411980	53412052	53412644
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
Filter class acc. to EN 1822	H13			
MPPS efficiency [%] <sup>1</sup>	≥ 99,95			
Filter class acc. to ISO 29463	ISO 35 H			
Nominal volume flow [m³/h]	1,800	1,000	2,000	3,600
Initial pressure drop [Pa]	250			
Recommended final pressure drop [Pa]	600		600	
Filter area [m²]	9		18	
Thermal stability [°C]	70		70	
Dimensions L [mm]	593	305	610	593
Seal position	Clean air side		Clean air side	

<sup>1</sup> MPPS: Most Penetrating Particle Size efficiency [%]

KEY DATA	SF13-B-0610x0610x292/V10x25- N10N	SF13-B-0610x0610x292/V12x25- N10N	SF13-B-0610x0762x292/V14x25- N10N
Article number	53412060	53412054	53412056
Dimensions (W x H x D) [mm]	610 x 610 x 292	610 x 610 x 292	610 x 762 x 292
Filter class acc. to EN 1822	H13		
MPPS efficiency [%] <sup>1</sup>	≥ 99,95		
Filter class acc. to ISO 29463	ISO 35 H		
Nominal volume flow [m³/h]	3,400	4,000	4,700

KEY DATA	SF13-B-0610x0610x292/V10x25-N10N	SF13-B-0610x0610x292/V12x25-N10N	SF13-B-0610x0762x292/V14x25-N10N
Initial pressure drop [Pa]		250	
Recommended final pressure drop [Pa]	600		600
Filter area [m <sup>2</sup> ]	37		49
Thermal stability [°C]	70		70
Dimensions L [mm]	610	610	762
Seal position	Clean air side		Clean air side

<sup>1</sup> 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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