

HEPA filter - FP Blue Flow

The FPV Blue Flow HEPA filter is a high-performance filter ideal for removing particulate impurities in cleanrooms, medical areas, and industrial processes. With a pleated design and thermoplastic separators, it offers more filtration surface than traditional HEPA filters.

TECHNICAL INFO

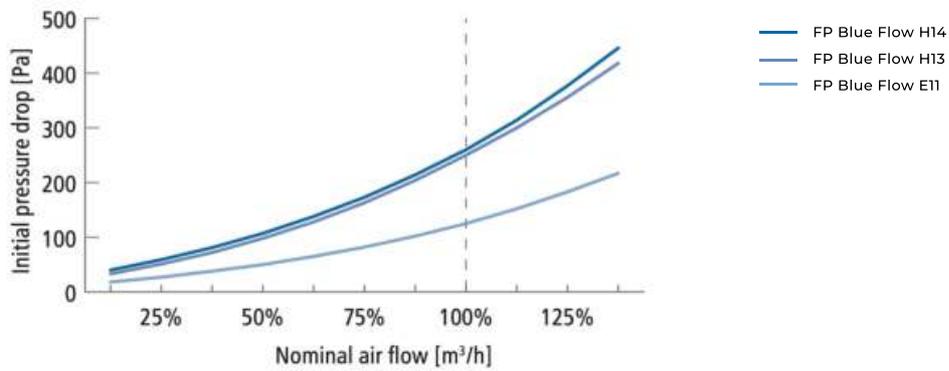
Type	FP Blue Flow				
Class EN 1822	E11	H13	H14		
Efficiency EN 1822 @ MPPS [%]	> 95%	> 99,95%	> 99,995%		
Initial-ΔP [Pa] at nominal air flow	125 (>175)	250 (>270)	260 (>290)		
Max. temp. [°C]	65° / opt.120°	65° / opt.120°	65° / opt.120°		
Width mm	Height mm	Depth mm	Nominal air flow (m ³ /h)		
			Standard	Opt. high flow	(Extreme)
305	305	78	250	-	-
305	610	78	540	-	-
457	457	78	600	-	-
575	575	78	970	-	-
610	610	78	1100	-	-
762	610	78	1400	-	-
305	305	150	250	330	-
305	305	150	540	700	-
457	457	150	600	810	-
575	575	150	970	1330	-
610	610	150	1150	1500	-
762	610	150	1450	1900	-
915	610	150	1750	2300	-
1220	610	150	2300	3100	-
1525	610	150	2900	3850	-
1830	610	150	3500	4650	-
305	305	292	520	750	850 ⁽¹⁾
305	610	292	1050	1500	2000 ⁽¹⁾
457	457	292	1180	1700	1950
575	575	292	1970	2500	2800
610	610	292	2100	3000	3400
762	610	292	2630	3000	3900

Please ask for other desired dimensions and designs.
 (1) with ePTFE membrane media only, max temp 65 °C

High air flow rate option

Filters with this option offer more than +30 % filtersurface than equivalent standard variants and thus offer following benefits:

- comparable higher nominal air flow of +30% or
- comparable lower pressure loss of - 30%
- increased service lifetime of up to +60 %



Frame	<ul style="list-style-type: none"> • MDF • Polystyrene (depth= 78, 150 and 292 mm, 65°C) • ABS (depth= 78, 150 and 292 mm, 120°C) • Plywood 	<ul style="list-style-type: none"> • Galvanized steel or stainless • Aluminium
Operational conditions	<ul style="list-style-type: none"> • Max rel. h. 100 [%], max. temp. 65 [°C] • Optional: HS-Mikro SF-T up to max. 120 [°C] with glassfibre media only 	
Spacers	Thermoplastic (minipleat)	
Filtermedia		
Combustible	Yes (frames: MDF, plywood, polystyrene, ABS)	
Options	<ul style="list-style-type: none"> • Burst- & protection screens (single or both sides) [Affects ΔP] • More filtermedia for higher airflows • Handle • Gasket on both sides • Customized gaskets (epdm, viton, ptfе or other customer specific) • Special design customizations i.e.: grooves, guide rails, boxed versions etc. 	

Gasket options	Height (mm)	Form
Seamless foamed polyurethane gasket (standard)	6 or 8	
Flat sectionized neoprene gasket	6 or 8	
Leak test gasket	7,5	

