

Compact Filter – HS-Makro FV

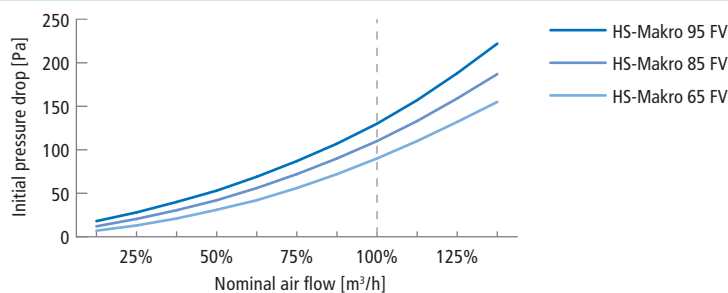



This durable fine dust filter is suitable as pre- or main-filtration element in systems where relatively high volumes as well as variable airflows are typical. Areas of use include pre-filtration of airborne particles, as filter for industrial or food processing, in hospitals or any other high-flow application. Due to our flexible manufacturing process we can fit the filter into mounting frames by all major brands. The media is laid in narrow pleads, and fixed evenly by thermoplastic spacers. Single filter packages are placed into the mounting frame forming a V-shape. This design allows maximum filter surface within comparably small filters. Various customized specifications are possible. This filter type might optionally be fitted with special heat resistant thermoplastic spacers for temperature ranges of up to 120°C. Such filters are marked with the model name HS-Makro FV-T.



Type:	HS-Makro 65 FV	HS-Makro 85 FV	HS-Makro 95 FV
Class EN 779	M6	F7	F9
Class ISO 16890	ISO ePM2.5 55%	ePM1 60%	ISO ePM1 80%
Initial-ΔP [Pa] at nominal air flow	90	110	130
Max. temp. [°C]	65° / opt.120°	65° / opt.120°	65° / opt. 120°

Width	Dimension [mm]		Nominal air flow [m³/h]	# of filterpacks
	Height	Depth		
610	305	292	2000	8
457	457	292	2550	6
575	575	292	3600	6
610	610	292	5000	8
762	610	292	6000	10

Please ask for other desired dimensions and designs.



Frame	<ul style="list-style-type: none"> ▪ MDF / medium density fibre board (standard) ▪ plywood ▪ galv. steel or stainless ▪ polystyrene ▪ ABS plastic (120°C)
Operational conditions	<ul style="list-style-type: none"> ▪ max. rel. h. 100 [%] ▪ max. temp. 65 [°C] (standard) optional: HS-Makro FV-T max. 120°C
Spacers	thermoplastic (Minipleat)
Filtermedia	high quality glass fibre paper (water resistant)
Combustible	Yes (frame: MDF, plywood, polystyrene, abs)
Options	<ul style="list-style-type: none"> ▪ burst- & protection screens [Attention! Initial-ΔP will be much higher] ▪ handle ▪ gasket on both sides ▪ customized gaskets (epdm, viton, ptfе or other customer specific) ▪ EX protected  ▪ customizations i.e.: grooves, guide-rails, boxed filter 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	