

This durable fine dust filter is suitable as pre- or main-filtration element in systems where relatively high volumes as well as variable airflows is typical. Areas of use include pre-filtration of airborne particles, as filter for industrial processes, food production or turbo machinery.

The high-quality media is laid in narrow parallel pleads, and fixed evenly by spacers made from corrugated aluminium foil – these make it possible to use the filter in high temperature environments up to 350 °C (Type: HS-Makro HT), electrical grounding of the filter, and provide a maximum of dust protection. Profiled spacers with seamed edges provide the filter package with extra stability.

HS-Makro filters are silicon-free as a standard, and can therefore be employed for surface technologies.

Due to our flexible manufacturing process we can fit the filter into mounting frames by all major brands. Upon request HS-Makro Filters can be supplied with FDA conform design.

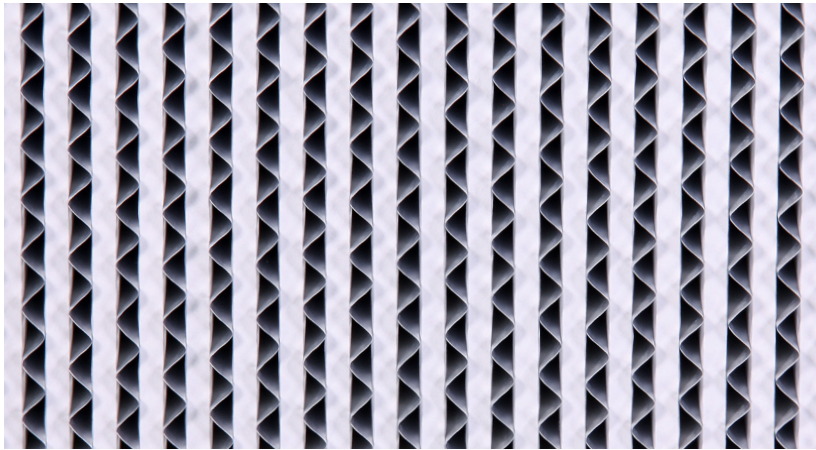
Type:	HS-Makro 65	HS-Makro 85	HS-Makro 95
Class EN 779	M6	F7	F9
Class ISO 16890	ISO ePM2.5 55%	ePM1 60%	ISO ePM1 80%
Initial- ΔP [Pa] at nominal air flow	100 / 130	140 / 170	160 / 190
Max. temp. [°C]	120° / 350°	120° / 350°	120° / 350°

	Dimensions [mm]			Nominal air flow [m ³ /h]		Weight [kg]
	Width	Height	Depth	standard	opt. high air flow	
305	305	78	240	-	2,1 kg	
305	610	78	540	-	3,5 kg	
457	457	78	620	-	4,8 kg	
575	575	78	1020	-	5,4 kg	
610	610	78	1160	-	6,0 kg	
762	610	78	1460	-	7,2 kg	
305	305	150	500	890	4,0 kg	
305	610	150	1000	1910	6,0 kg	
457	457	150	1110	2200	7,0 kg	
575	575	150	1840	3600	9,0 kg	
610	610	150	2000	4090	10,0 kg	
762	610	150	2650	5170	11,0 kg	
915	610	150	3200	6260	13,0 kg	
1220	610	150	4240	8310	17,0 kg	
1525	610	150	5360	10480	22,0 kg	
1830	610	150	6400	12530	26,0 kg	
305	305	292	780	1150	7,0 kg	
305	610	292	1800	2300	10,0 kg	
457	457	292	1950	2600	11,0 kg	
575	575	292	3190	4100	13,2 kg	
610	610	292	3600	4700	20,0 kg	
762	610	292	4500	5800	21,0 kg	

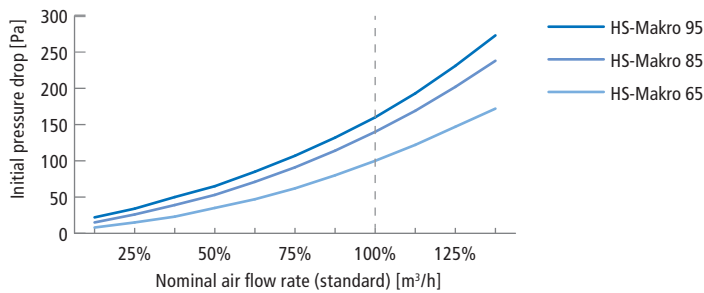
Please ask for other desired dimensions and designs.


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 %



Aluminium-spacer technology ranges back to the beginnings of finedust and particle absolute filtration. We are still producing these work intensive products with aluminium or stainless separators for demanding applications such as high-temp resistance (i.e. 120°C, 250°C or 350°C) or anti static conductivity according to ATEX. This design together with special filter media allows us to produce dedustable filters for in-line pulse cleaning.



Frame	<ul style="list-style-type: none"> ▪ MDF / medium density fibre board (Standard) ▪ plywood ▪ ABS plastic ▪ galv. steel or stainless ▪ aluminium
Operational conditions	<ul style="list-style-type: none"> ▪ max. rel. h. 100 [%] ▪ temperature resistance max. 120 [°C] optional up to max. 350 [°C] for industrial uses (HS-Makro HT) ▪ food & pharma up to max. 250 [°C] (HS-Makro HT, silicone sealant)
Spacers	corrugated aluminium, optional: stainless
Filtermedia	high quality glass fibre paper (water resistant)
Options	<ul style="list-style-type: none"> ▪ burst- and protection screens (single or both sides) ▪ more filtermedia for higher airflows ▪ flanges (i.e. 25 [mm]); handles ▪ gasket on both sides ▪ dedustable filtermedia ▪ EX protected  ▪ FDA compliant design ▪ many more customer specific options (i.e. such as rounded corners)

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	
fibre glass cord gasket	Ø = 7	

documents might be subject to change / issue Feb. 2023