



HS-Mikro S are HEPA-Filter that can bear a high mechanical load capacity and may be used to filter suspended matter such as viruses, germs, toxic dusts, aerosols as well as in environments requiring a virtually sterile or dust-free air. HS-Mikro S are designed to meet demands for high loads and extended temperature ranges as they occur in particular within industrial processes as well as the pharmaceutical industries. The high-quality media is laid out in narrow pleats that run parallel to each other. Profiled, twice edged spacers made from aluminium or optionally stainless steel guarantee maximum stability. The design allows various variations in the usage such as dedustable media for up to 10,000 cleaning cycles or electrical grounding for EX protection according to ATEX standards. The optional narrow pleating for extended filter surface also makes the filter employable within high volume flows and low pressure differences respectively. Alternative filtermedias such as silicone or nomex bound ones are optionally available.

HS-Mikro S-HT filters are sealed with silicone and withstand temperatures up to 250°C.

Type:	HS-Mikro R	HS-Mikro S	
Class EN 1822	E11	H13	H14
Efficiency EN 1822 @ MPPS [%]	> 95 %	> 99,95 %	> 99,995 %
Initial- ΔP [Pa] at nominal air flow	125	250	260
Max. temp. [°C]	120° / opt. 250°	120° / opt. 250°	120° / opt. 250°

Dimensions [mm]			Nominal air flow [m ³ /h]		Weight [kg]
Width	Height	Depth	standard	opt. high air flow	
305	305	78	140	-	2,1 kg
305	610	78	300	-	3,5 kg
610	610	78	650	-	6,0 kg
305	305	150	250	330	4,0 kg
305	610	150	540	700	6,0 kg
610	610	150	1150	1500	10,0 kg
762	610	150	1450	1900	11,0 kg
915	610	150	1750	2300	13,0 kg
1220	610	150	2300	3100	17,0 kg
1525	610	150	2900	3850	22,0 kg
1830	610	150	3500	4650	26,0 kg
305	305	292	520	750	7,0 kg
305	610	292	1050	1500	10,0 kg
610	610	292	2100	3000	20,0 kg
762	610	292	2630	3500	21,0 kg

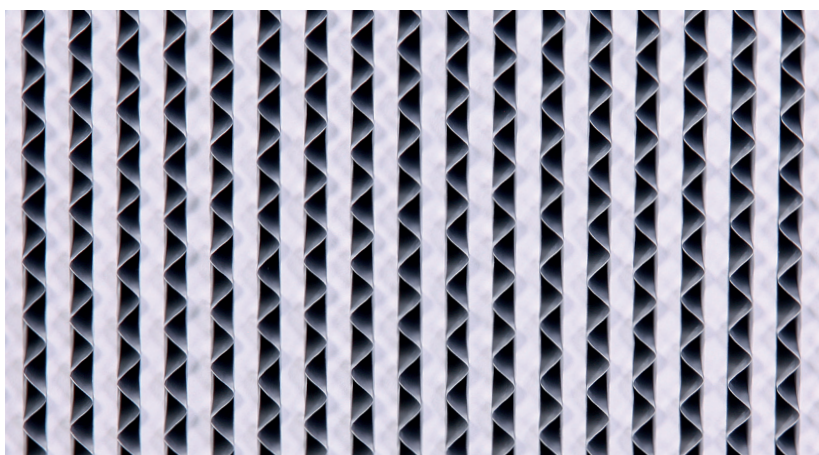
Please ask for other desired dimensions and designs.

High air flow rate option

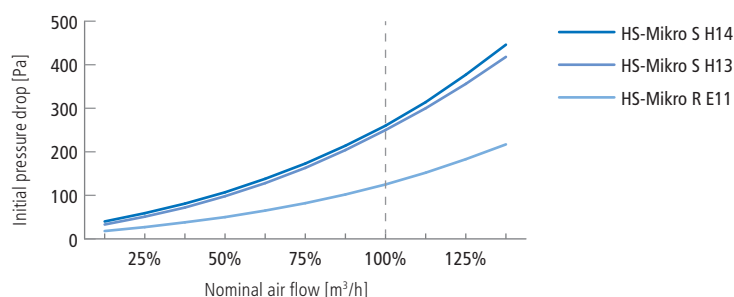
Filters with this option offer more than +30 % filtersurface than equivalent standard variants and thus offer following benefits:

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

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	



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 ▪ galv. steel ▪ stainless ▪ aluminium
Operational conditions	<ul style="list-style-type: none"> ▪ max. rel. h 100 [%] up to 120[°C] ▪ optional with silicone seal up to max. 250 [°C] (HS-Mikro S-HT), high temp filters cant be dedustable!
Spacers	<ul style="list-style-type: none"> ▪ aluminium ▪ stainless
Filtermedia	high quality glass fibre paper (water resistant)
Combustible	NO
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 (for in-line / off-line dedusting systems) ▪ EX protected ▪ FDA conforming desgin ▪ many more customer specific options (i.e. such as rounded edges)

documents might be subject to change / issue July 2015