

Compact Filter – HS-Mikro Pak

PM₁₀ PM_{2.5} PM₁ M_{5.6} F₉

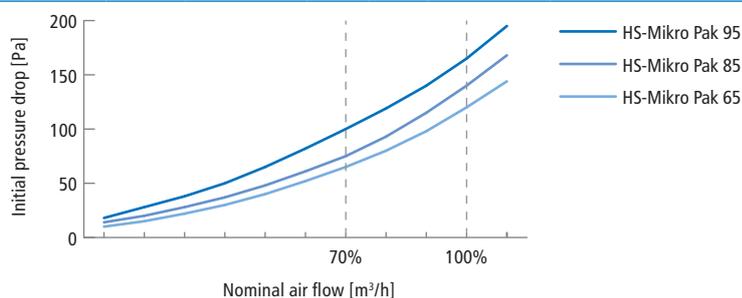
These filters serve as pre- or main-filtration elements for environments with voluminous air-streams and/or when long lifespan is necessary. HS-Mikro Pak can be used as fine dust filtration in air-conditioning, ventilation or turbine systems. The filters serve both as pre- and main-filters for adsorbing airborne particles, toxic dust, as well as aerosols in inside air outlets and outside air inlets. The rigid and corrosion resistant plastic frame ensures easy disposal of the used filter because it is totally combustible. Its design guarantees a high stability and is corrosion free. The media is water-repellent and therefore usable within air flows of high humidity. The air entry profiles are aerodynamically shaped to reduce the pressure drop at high flow rates. Upon request HS-Mikro Pak can be equipped with a burst protection grid on the clean air side. Tests at the VTT have proved that HS-Mikro Pak filters withstand the tests maximum pressure drop of >4500 Pa with ease. Various comparison tests have proved that HS-Mikro Pak has superior efficiency and service lifetime over most competitor products. If required we can supply you with more detail informations on this topic. HS-Mikro Pak fit to mounting frames of all major brands.



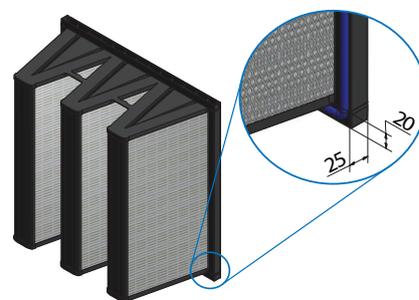
Typ:	HS-Mikro Pak			Energy class comparable to Eurovent 4/21
	65	85	95	
Class EN 779	M6	F7	F9	Low energy consumption
Class ISO 16890	ePM10 80%	ePM1 60%	ePM1 85%	A+
Initial-ΔP [Pa] (A / B)	65 / 120	75 / 140	100 / 165	A
max. final ΔP	600	600	600	B
Max. temp. [°C]	65°	65°	65°	C
				D
				E
				High energy consumption

Dimensions [mm]			Nominal air flow [m³/h]		Weight [kg]
Width	Height	Depth	A: standard	B: high flow rate	
592	592	292	3400	5000	7
490	592	292	2800	4100	5
287	592	292	1700	2500	3

Please ask for other desired designs.



Frame	corrosion resistant plastic
Operational conditions	<ul style="list-style-type: none"> max. rel. h. 85 [%] max. temp. 65 [°C], short term peak up to max. 80 [°C]
Spacers	thermoplastic (minipleat)
Filtermedia	<ul style="list-style-type: none"> high quality glass fibre paper, pressure drop may temporarily increase at high humidity levels Optional: fully synthetic filtermedia for maximum rigidity, higher mechanical stress tolerance
Combustible	YES
Options	<ol style="list-style-type: none"> burst protector / protection screen foamed gasket on the clean air side of the flange +14% more filtersurface
Example applications	<ul style="list-style-type: none"> main filter for gas turbines pre- and mainfiltration for particle and finedust removal main flter for comfort air filtration



Detail: flange dimension (without gasket)
Displays also options 1 & 2.