

Compact Filter – HS-Deka Pak

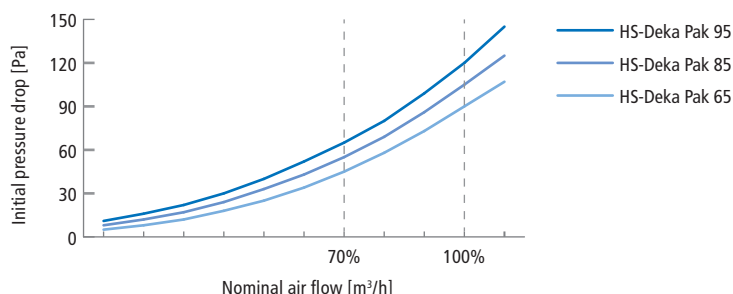


HS-Deka Pak compact filters provide twice the filter area compared to conventional types of rigid bag filters due to the greater depth of 420 mm. This allows for applications such as turbo machinery, process air and HVAC maximum flow rates and significantly longer service life. Your applications may profit from the of significantly lower energy consumption than with other types of filters. HS-Deka Pak are especially recommended for applications where installation space is critical but high flow rates are required. Due to the tolerance against high air speed this filter gives more freedom in the design of space saving filter processes. HS-Deka Pak ideally suit as pre- or main filter for filtration of fine dusts and aerosols. They serve as intake and exhaust air filter also in harsh operating environments with high humidity. For use in the offshore turbo machinery, process air or salt removal these filter can be equipped with synthetic filter media, which does not lack in structural strength and stability when completely soaked with moisture. The sturdy plastic frame is corrosion-free and allows for easy disposal, since the filter can be completely incinerated after ending it's service lifetime.

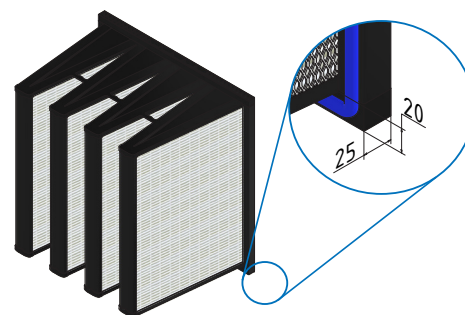


Type:	HS-Deka Pak			Energy class comparable to Eurovent 4/21	
	65	85	95		
Class EN 779	M6	F7	F9		
Class ISO 16890	ePM10 85%	ePM1 65%	ePM1 90%		
Initial-ΔP [Pa] (A / B)	45 / 90	55 / 105	65 / 120		
Recc. final ΔP	600	600	600		
Max. temp. [°C]	65°	65°	65°		
Dimensions [mm]			Nominal air flow [m³/h]		Weight [kg]
Width	Height	Depth	A: standard	B: high air flow	
592	592	420	3400	5 000	12
490	592	420	2800	4 100	8
287	592	420	1700	2 500	6

Please ask for other desired designs.



Frame	corrosion resistant plastic
Operational conditions	<ul style="list-style-type: none"> max. rel. h.100 [%] 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 (water resistant), 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"> 1.) burst protector / protection screen 2.) foamed gasket on the clean air side of the flange 3.) +14% more filtersurface
Example applications	<ul style="list-style-type: none"> main filter for gas turbines pre- and mainfiltration for particle and finedust removal high performance alternative for bag or std. 292 mm rigid bag filters.



Detail: flange dimension (without gasket)
Also displays options 1 & 2.

documents might be subject to change / Issue Feb. 2024