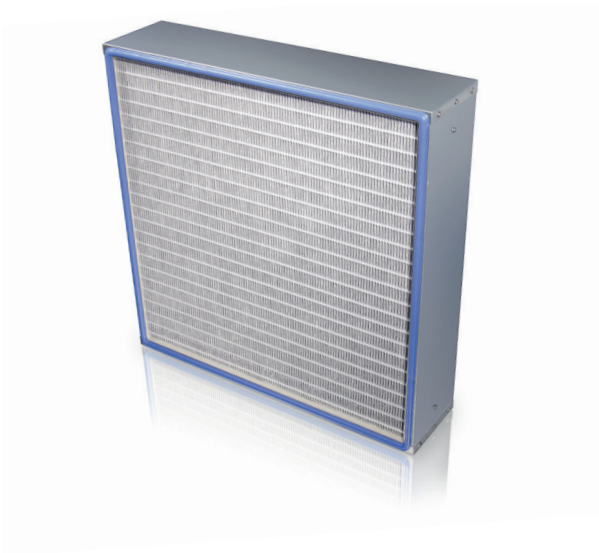
Safety Filter – HS-Strongshield EX

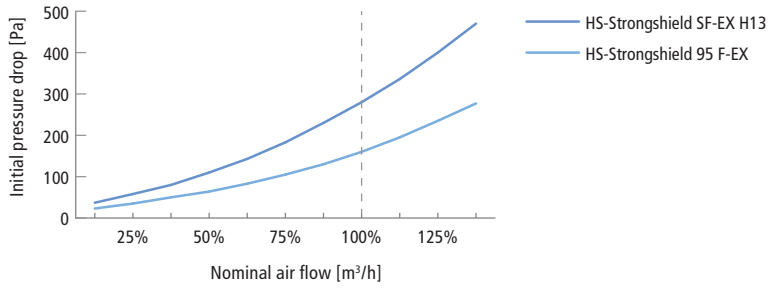
HS-Strongshield Filters offer the maximum security at processes with high hazard risk potentials. The groundbreaking HS-Strongshield filter technology provides a superior media tensile strength up to 400% higher than usual glass media. Different to usual Filters the HS-Strongshield filtermedia is armored by rigid layers of polyester. This ensures that HS-Strongshield filters offer an unmatched safety at extreme conditions such as high moisture, shock pressures, accident failures of pre-filterstages, presence of explosive atmospheres etc.. The air entry side of the filters is metalized and conductive to depleat any electrical potentials that can cause ignitions by grounding connectors on the filter. Hence HS-Strongshield filters ideally suit the safety needs of processes in ATEX areas. No additional protective grids are required due to the robust media structure. HS-Strongshield filters are dedustable by typical pulsejet or blast systems.



Type:	HS-Strongshield 95 F-EX	HS-Strongshield SF-EX H13
Class EN 779 / EN 1822	F9	H13
Class ISO 16890	ISO ePM1 80%	-
Initial-ΔP [Pa] at nominal air flow	160	280
Max. temp. [°C]	65°	65°

Dimensions [mm]			Nominal air flow [m³/h]	
Width	Height	Depth	F9	H13
305	305	78	670	250
305	610	78	1500	540
610	610	78	1650	1100
305	305	150	890	330
305	610	150	1500	700
610	610	150	3400	1500
762	610	150	3750	1900
305	305	292	1000	520
305	610	292	1900	1050
610	610	292	4750	2100

Please ask for other desired dimensions and designs.



Frame	▪ galv. steel (standard) ▪ MDF	▪ plywood ▪ stainless steel
Operational conditions	▪ max. rel. h. 100 [%] up to 65[°C], short term peak up to 80[°C] ▪ media tensile strength is not reduced at high air humidity	
Spacers	thermoplastic (Minipleat)	
Filtermedia	▪ armored glass fibre media (air entry side is electrically conductive for useage in ATEX protection zones) waterrepellent, moisture resistant Filter ist dedustable by pulse jet or blast (please contact us for further details)	
Combustible	YES (frame MDF, plywood)	
Options	▪ optional: *without* Ex functionality ▪ protection grid (single or both sides) [usually not needed with this filter] ▪ enlarged filter surface for higher flow and/or dust holding capacity ▪ handles ▪ gasket on both sides, special gaskets ▪ special adaptions i.e.: grooves, guide rails, grounding plates	

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