

GT Prefilter



EMW®'s GT pocket filters were developed specifically with the goal of achieving low pressure drops and therefore high energy efficiency.

The aerodynamic intake guides on the intake side of the filter are a key feature reducing the pressure drop in operation. The individual filter pockets are made up of a progressively structured synthetic filter medium. In addition a continuous foamed-in-place seal is applied to the joint between the filter and the plastic frame on the outlet side.

The filter is extremely rugged and maintains its shape even under pressure fluctuations or when the turbine is shut down. Highest strength is ensured by tubular spacers, outlet-side reinforcing grids and the airtight peripheral seal.

For 3D-animations and further details pls. visit

<https://www.emw.de/en/products/pocket-filters/gt-pocket-filters.html>

Technical Data GTD Prefilter

Quality characteristic	Technical data	Test methode
Filter Model	GT S65 KR-8/600 eD	
Filter Media Type	Pocket filter with welded pockets with multiple layers of a high performance nonwoven progressive GT media type with diamond separators in order to hold the pockets wide open. The pockets are waisted shape.	
Frame	Sturdy proven plastic	
Size	592 x 592 x 600 mm	DIN ISO 2768 T1 c
Sealing	Endless, seamless gasket on air outlet side / Polyurethane (PUR)	
Number of Pockets	8	
Filter media area	6.5 m ²	
Initial pressure drop	70 Pa @ 3400m ³ /h 73 Pa @3581 m³/h 95 Pa @ 4250m ³ /h	
Filter class	ISO ePM ₁₀ 70% (formerly M6)	ISO 16890 (EN 779)
Efficiency values	ePM ₁ 28% ePM _{2,5} 41% ePM ₁₀ 73%	ISO 16890
Recommended final pressure loss	450 Pa	
Inflammability class	F1	DIN 53438-3
Temperature resistance	80 °C	

Drawing GT Prefilter

