

GLASS-PAD M80 / M125

Disposable Glass Fiber Filter Media Pad

APPLICATION

Glass-Pad M80 / M125 is a high efficiency glass media which offers better value for money compared to standard, permanent metal filters. M80 / M125 pads are particularly suited for use in engine, turbine and smooth flow compressor air intake applications. A practical solution for HVAC systems where washing of panel filters prove to be problematic due to labour constraints.

CONSTRUCTION

Glass-Pad M80 / M125 is a disposable glass fiber pad. This pad consists of continuous glass fibers whose diameter becomes smaller and the progressively tighter from the air entering to air leaving side.

This technology is known as progressive density. The media is colour coded to indicate the air entry and air exit flow direction. The colour may vary to customer specifications but green and yellow is the industry standard.

This structure allows dirt to penetrate deep into the media, utilizing the full depth of the pad. At those places where the fibers cross, they are bonded together to form a strong, thick, resilient pad. The dust holding capacity is further increased by impregnating the media with a tackifier gel.

This gel-like adhesive will not migrate at temperatures up to 100°C. By compressing the Glass-Pad M80 / M125 pad into a retaining frame of 50 mm depth, the density and therefore the efficiency is increased even more.

FRAME DIMENSIONS

(for 600 x 600 size pad)

A (see drawing): 592mm

B (see drawing): 592mm

STANDARD PAD DIMENSIONS

Actual (mm)

413 x 514 x 95 / 125

413 x 641 x 95 / 125

514 x 514 x 95 / 125

514 x 641 x 95 / 125

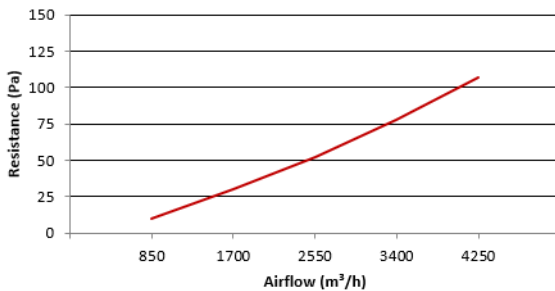
616 x 616 x 95 / 125



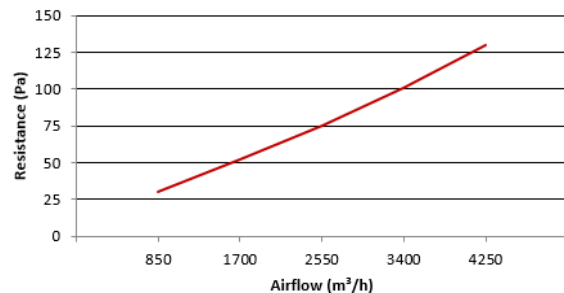
TECHNICAL DATA SHEET

Filter Type	M80 / 125			
Construction and Features	Progressively structured glass fiber filter media impregnated throughout with a harmless gel adhesive for the filtration of large quantities of coarse dust-particles.			
Application	As a machine-protection, particularly installed as a preliminary filter of gas-turbines, on vessels and in HVAC, general air filtration and any further industrial installations.			
	Unit of Measure	Value		Tolerance
		M80	M125	
Thickness	(mm)	95	125	-0 /+5
Average Weight	(g/m ²)	420	550	- /+5 %
Colour Air Inlet Side		Yes	Yes	
Colour Clean Air Side		Yes	Yes	
Gravimetric Efficiency	(%)	88	91	ASHRAE 52.1 - 1992
Filtration Class		G4	G4	
Intake Air Velocity	(m/sec)	2.5	2.5	
Initial Pressure Drop	(Pa)	80	105	
Recommended Final Pressure Drop	(Pa)	250	250	
Temperature Resistance	(°C)	120	120	
Dust-Holding-Capacity	(g/m ²)	4500	5400	
Reaction to Fire		Non Combustible		

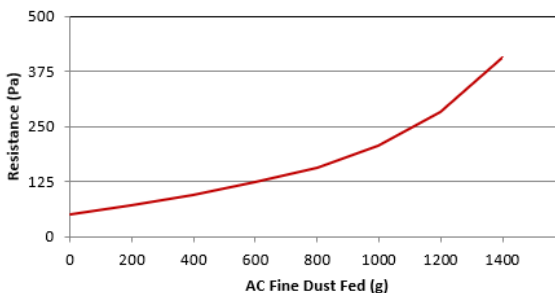
Airflow Resistance - M80



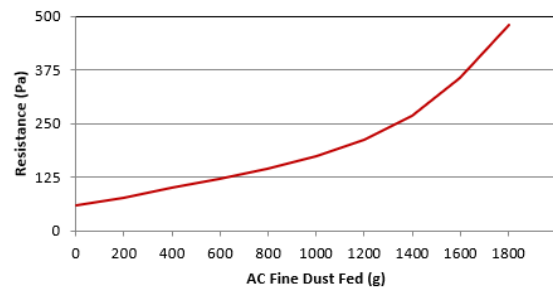
Airflow Resistance - M125



Dust Holding Capacity - M80



Dust Holding Capacity - M125



EASTERN & WESTERN CAPE
 Cnr Zinfandel & Buketraube St,
 Saxenburg Park 2
 Blackheath
 cape@filtamatix.co.za
 Tel: 021 905-0055
 Fax: 086 660 4025
 Fax: 086 667 2224

KWA-ZULU NATAL
 6 Boulders Park
 2 Wiltshire Road
 Marianne Industrial
 Estate
 kzn@filtamatix.co.za
 Tel: 031 791-2165
 Fax: 031 791-2154

GAUTENG
 23 Basalt Street
 AlrodeExt7
 Alberton
 cleanair@filtamatix.co.za
 Tel: 011 908-1150
 Fax: 086 667 2224