



RIGID POCKET FILTERS PML

- **100% SYNTHETIC, CORROSION-FREE AND HUMIDITY-RESISTANT**
- **FLAMMABILITY CLASSIFICATIONS AS PER U.S. UL900, CLASS 2 AND DIN 53438, CLASS K1/F1**
- **FILTER RANGE INDEPENDENTLY TESTED**

DESCRIPTION

Filtrair manufactures its own thermally bonded synthetic medium for their PML rigid pocket filters. The depth-loading medium is manufactured in a progressive density multi-layering technique to ensure high dust holding capacity with lowest pressure drop. For the user, this results in long filter life and low energy and maintenance costs.

FEATURES AND BENEFITS

- **AERODYNAMIC** wedge-shape, tubular **POCKET SPACERS** - minimum air flow resistance, maximum turbine output
- Pockets integrated in injection moulded, impact-proof PU header - gives filter a burst strength of < 24 "w.g.
- **UNIQUE** proprietary Filtrair filter medium - providing high efficiency and maximum dust holding capacity
- For **ALL TYPES OF ENVIRONMENTS**: high fine dust, moisture and water mist content as well as high velocity
- **SELF SUPPORTING**, leak-free welded pockets - stay rigid in turbulent airstreams - eliminate shedding
- **FILTRAIR PML** filters may be disposed of by incineration

APPLICATIONS

Filtrair PML rigid filters serve as highly efficient final filters in air intake systems of combustion engines, industrial plants and in all HVAC applications. They are suitable for filtration in any environmental condition - including offshore, marine - and in any climate - including tropical (high humidity). They efficiently remove fine, submicron airborne particulate matter but also mist and fog. Where subsequent HEPA filters are placed, they protect them from fine dust and fog, thus significantly prolonging their life and increasing their operational safety.

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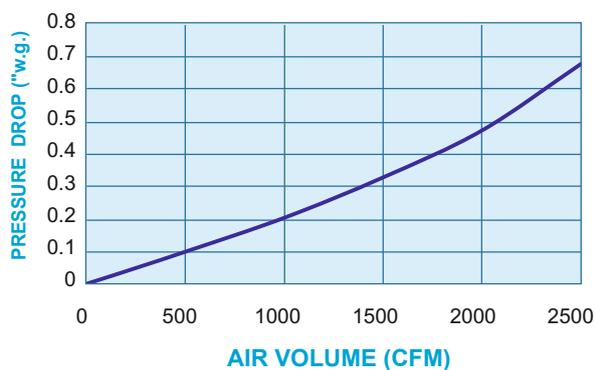
TECHNICAL DATA

Filter type	Unit	PML
Rated air flow (1/1 size)	cfm	2000
Initial pressure drop at rated air flow (2000 cfm)	"w.g.	0.47
Initial pressure drop at rated air flow (2500 cfm)	"w.g.	0.68
Recommended final pressure drop	"w.g.	1.81
MERV* ASHRAE 52.2.2012	-	14
Average Arrestance	%	>99
Dust holding capacity (Ashrae dust) 1.5 "w.g.	g/unit	702

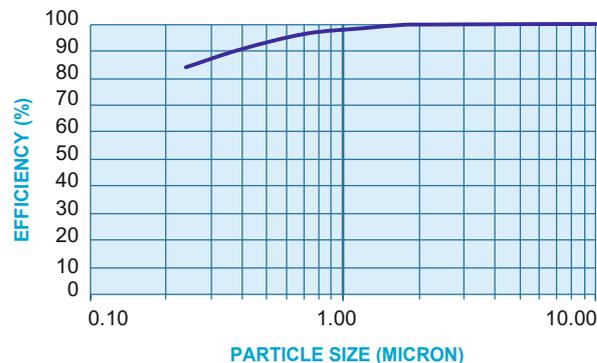
PRODUCT GEOMETRIES

Product Geometries	Unit	PML 1/1	PML 5/6	PML 1/2
Filter dimensions	"	23.43*23.43	19.43*23.43	11.38*23.43
Filter length	"	24.4	24.4	24.4
Filter medium area	ft ²	60	38	30
Nr. of pockets	-	8	5	4
Filter weight	lb	7.7	6.6	5.5
Package - nr of filters per box	unit	2	2	2
Suitable for standard mounting frame	"	24*24	20*24	12*24
Maximum continuous working temperature	°F	≤ 160	≤ 160	≤ 160
Admissible relative humidity	%	100	100	100
Maximum final operating pressure drop	"w.g.	2.4	2.4	2.4
Burst pressure drop	"w.g.	>24	>24	>24
Options available on request	Gasket on downstream, on upstream side or on both sides			

PRESSURE DROP vs AIR VOLUME



EFFICIENCY vs PARTICLE SIZE



All data are average indicative values with usual manufacturing and testing tolerances. We reserve the right to modify performance data without prior notice. Specific performance data will require our written confirmation. Filtrair® is the registered trade mark of Filtrair bv.

