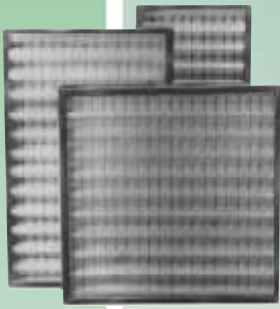


# GAMMA series, Pleated Synthetic filter Screens



## TPFO/E - TPFO/S - TPFO/H

Product	TPFO/E	TPFO/S	TPFO/H
UNI EN 779 class	G 3	G 4	G 4
EUROVENT class	EU 3	EU 4	EU 4
A <sub>m</sub> ASHRAE52.1.1992	84 %	92 %	94 %
Suggested final pressure drop	200 Pa	200 Pa	200 Pa
Maximum pressure drop	250 Pa	250 Pa	250 Pa
Maximum operating temperature	90°C	90°C	90°C
Maximum relative humidity	100%	100%	100%

TPFO/E - TPFO/S - TPFO/H pleated filters have good filtration efficiency levels for average size particles and high holding capacities, besides having a robust construction. The synthetic fiber medium is positioned in a pleated way to offer a bigger filtration surface, face sizes being equal. The pleated medium furthermore assure a higher dust build-up level. The frame is in galvanized steel sheet and it is held between two electrically welded galvanized steel holding grids. Pressure varies according to the type of filter and the thickness. The re-generable medium allows you to use the filters for a long time, thus reducing management costs. Pleated filters are available in several sizes and air flow rates that meet the various needs of commercial civil use.

Applications : TPFO/E - TPFO/S - TPFO/H pleated filters offer a wide range of uses:

- ventilation units, thermal fans and hot air generators for civil and industrial facilities.
- as first filtration stage in air treatment units and independent roof to conditioners upstream of high efficiency or activated carbon filters.
- independent close control conditioners.
- filtration walls for big tertiary building systems.

Installation :

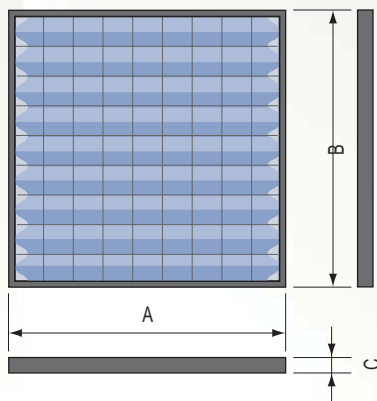
TPFO/E - TPFO/S - TPFO/H pleated filters are installed in U-shaped guides that make them very stable and make them easily removable for cleaning operations. TPFO/E - TPFO/S - TPFO/H pleated filters can be installed in two ways:

- flat, for low face speeds, up to 2.5 m/s
- V-position, for face air speeds up to 3.5 m/s.

Type	Dimensions (mm)			Nominal air rate flow		Filtration media m <sup>2</sup>	Initial pressure drop Pa				
	TPF...	A	B	C	m <sup>3</sup> /h		m <sup>3</sup> /s x 10 <sup>-3</sup> *	TPFO/E	TPFO/S	TPFO/H	
E / S / H	287	x	592	x	48	1400	389	0,32	45	75	90
E / S / H	400	x	500	x	48	1650	458	0,38	45	75	90
E / S / H	400	x	625	x	48	2100	583	0,47	45	75	90
E / S / H	500	x	500	x	48	2100	583	0,47	45	75	90
E / S / H	500	x	625	x	48	2600	722	0,58	45	75	90
E / S / H	592	x	592	x	48	3000	833	0,66	45	75	90
E / S / H	287	x	592	x	98	2000	555	0,51	60	100	110
E / S / H	400	x	500	x	98	2300	639	0,60	60	100	110
E / S / H	400	x	625	x	98	2900	805	0,75	60	100	110
E / S / H	500	x	500	x	98	2900	805	0,75	60	100	110
E / S / H	500	x	625	x	98	3700	1028	0,93	60	100	110
E / S / H	592	x	592	x	98	4200	1166	1,05	60	100	110

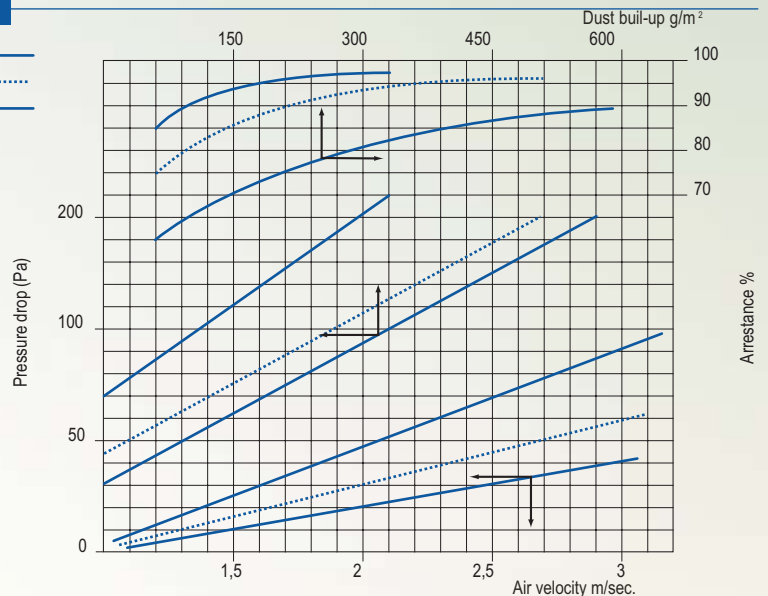
\*1 m<sup>3</sup>/s x 10<sup>-3</sup> = 1 l/s

Size



Typical curves

PFO/H ———  
 PFO/S .....  
 PFO/E ———  
**48 mm thick**



# Technomart

Kamrabad, Fullorhat (Near Fullorhat Yuba Sangha), Sonarpur, Kolkata - 700 150, W.B., India  
 Tel : +91 9830156166 / 9230556166 / 9230518809 Fax : +91 33 2434 6692  
 e-mail : technomart@vsnl.net, Web : www.techno-filter.com