

GAMMA series, Metal & Grease-proof filter panels

TPFI - TPFM - TPFO/M

Product	TPFI	TPFM	TPFO/M
UNI EN 779 class	G 3	G 2	G 2
EUROVENT class	EU 3	EU 2	EU 2
A _m ASHRAE52.1.1992	82 %	60-65 %	65-70 %
Maximum operating temperature	300°C	250°C	250°C

Type	Dimensions (mm)			Nominal air rate flow		Filtrat. media m ²	Initial pressure drop Pa
	A	B	C	m ³ /h	m ³ /sx10 ^{-3*}		
TPFI	250	x 500	x 12	400	111	0,12	15
TPFI	400	x 400	x 12	540	150	0,16	15
TPFI	400	x 500	x 12	660	183	0,20	15
TPFI	400	x 625	x 12	830	230	0,25	15
TPFI	500	x 500	x 12	830	230	0,25	15
TPFI	500	x 625	x 12	1050	291	0,31	15
TPFM	287	x 592	x 23	850	236	0,17	15
TPFM	400	x 500	x 23	1000	278	0,20	15
TPFM	400	x 625	x 23	1250	347	0,25	15
TPFM	500	x 500	x 23	1250	347	0,25	15
TPFM	500	x 625	x 23	1570	436	0,31	15
TPFM	592	x 592	x 23	1800	500	0,35	15
TPFM	287	x 592	x 48	850	236	0,17	25
TPFM	400	x 500	x 48	1000	278	0,20	25
TPFM	400	x 625	x 48	1250	347	0,25	25
TPFM	500	x 500	x 48	1250	347	0,25	25
TPFM	500	x 625	x 48	1570	436	0,31	25
TPFM	592	x 592	x 48	1800	500	0,35	25
TPFO/M	287	x 592	x 48	1400	389	0,32	25
TPFO/M	400	x 500	x 48	1650	458	0,38	25
TPFO/M	400	x 625	x 48	2100	583	0,47	25
TPFO/M	500	x 500	x 48	2100	583	0,47	25
TPFO/M	500	x 625	x 48	2600	722	0,58	25
TPFO/M	592	x 592	x 48	3000	833	0,66	25

TPFI - TPFM - TPFO/M metal filter panels are special products suitable for heavy jobs. PFI models are grease-proof panels suitable for installation in the extractor hoods of professional kitchens.

They are fitted with an AISI 304 stainless steel frame; the medium is in AISI 304 stainless steel, with micro-stretched sheet-steel. These filters have a high oil and grease holding and build-up efficiency level and are totally re-generable.

They are mechanically very strong and can work with temperatures up to 300°C.

TPFM - TPFO/M models are fitted with a galvanized steel frame with electrically welded grids; the medium is in galvanized steel, with flat wire metal mesh.

The low pressure drop level of these filters assures modest extraction fan energy consumption rates.

Applications

The TPFI grease-proof metal filters are installed in the extractor hoods of professional kitchens, deep-frying machines, ovens or food cooking elements in general. They are used in a wide range of areas: fast food restaurants, snack bars, restaurants, cafeterias, food industries. TPFM and TPFO/M filters are suitable for strong concentrations of dust in the air and where you need high resistance against high temperatures (up to 250°C);

- Hot air generators for civil and industrial facilities
- Ventilation of electric motors and industrial machines
- Separators of oily mists
- Filtration walls for industrial systems
- Systems on mobile vehicles subject to vibrations

Installation

TPFI grease-proof metal filters are installed in professional kitchen extractor hoods. TPFM and TPFO/M filters are installed in holding ducts (mod. Multimod) or in U-shaped guides in two ways:

- Flat arrangement for low face air speeds, up to 1.5 m/s
- V-arrangement for face air speeds up to 2.5 - 3 m/s in appropriate counter-frames. They can be installed both horizontally and vertically.

*1 m³/s x 10⁻³ = 1 l/s

Typical curves

