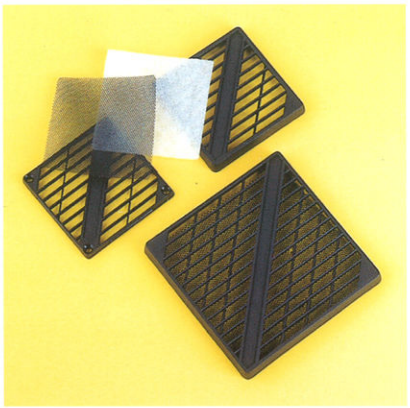


fan filter assemblies – PMFA 'T' Series

Description

A family of low profile filter assemblies designed for use with both 80mm² and 119mm² PAPST axial fans. In both cases, the filter assemblies mount directly on to the existing fixing locations. The 'T' series is a compact design yet very robust for where space is at a premium.

Construction

The assembly consists of four parts, an outer cover, a filter pad, a mesh screen and a finger guard. The cover, mesh and finger guard are moulded in 'Zytel' nylon resin. The inclusion of a finger guard as part of the assembly will allow the filter medium to be changed without the equipment having to be switched off. The pad is manufactured from white polyester type KS-22.

Filter Performance

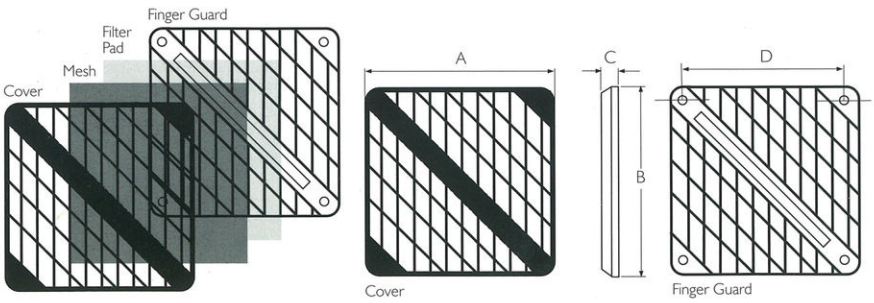
The KS-22 pad will achieve a 60% dust particle retention and is heat resistant to 100°C. A reduction in airflow of around 10-30% can be expected in some applications when fitting the filter assembly.

Features

- Compact, low profile design
- Rigged construction
- Quick change filter pad
- Fits both 80mm² and 119mm² fans
- Utilise existing hole fixing positions
- Filter pad can be changed without switching off fan as the finger guard remains in place.

Dimensions

Fan size	A	B	C	D
80mm²	86.5	86.5	11	71.5
119mm²	126	126	13.5	104.8



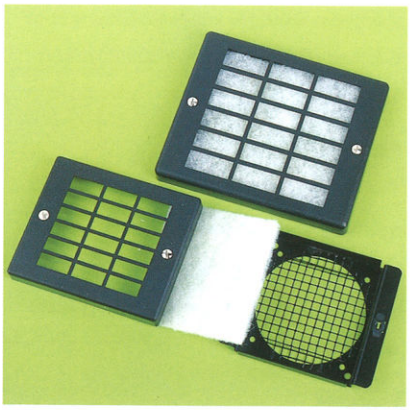
Ordering information (filter assemblies)

Fan series	Size	Part number
8000	80mm²	PMFA80T
4000	119mm²	PMFA120T

Ordering information (spare filter pads)

Filter assembly	Pack details	Part number
PMFA80T	Pack of 5	FP80T
PMFA120T	Pack of 5	FP120T

All measurements in mm.



fan filter assemblies – PMFA Series

Description

A family of filters for use with the main sizes of axial fans, i.e. 60mm², 80mm², 92mm², 119mm² and 150/172mm diameter. All filter assemblies mount directly on to the existing fixing locations. The 60mm² assembly is compact and low profile by design, with a similar version also available in the 80mm² model.

Construction

The assembly consists of three parts; an outer grill cover, an inner fixing plate and a filter pad. The grill cover is moulded in polycarbonate with a matt finish. It incorporates quick release fasteners to assist easy changing of the filter pad. The inner fixing plate is constructed of steel sheet, with a matt black epoxy powder finish. A welded wire screen provides protection when the filter pad is changed with the fan still running.

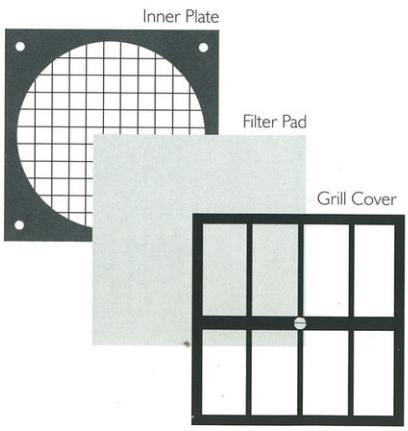
The filter pad is made of white synthetic bonded fibre to specification P15/150R.

Filter Performance

The filter pad will achieve a 75% dust particle retention down to 5-10 microns in size and can withstand temperatures of up to 100°C. The pad is also flame resistant to BS2963. A reduction in airflow of around 20-30% can be expected with a clean filter assembly fitted.

Features

- Tough, durable construction
- Quick change filter pad
- Fit fans from 60mm² to Ø172mm
- Utilise existing hole fixing positions on most PAPST fans
- Filter pad can be changed without switching off fan.



Ordering Information (filter assemblies)

Part No.	Fan size	A	B	C	D
PMFA60L	**60mm²**	65	65	13.5	50
PMFA80L	**80mm²**	85	85	14	71.5
PMFA80	**80mm²**	125	105	17.5	71.5
PMFA90	**92mm²**	125	105	17.5	82.5
PMFA120	**119mm²**	162	136	18.5	104.8
PMFA160	**150/172Ø**	226	190	19.5	162

Ordering Information (spare filter pads)

Pad Part No.	Assembly Part No.	Pack Qty
FP60L	PMFA60L	5
FP80L	PMFA80L	5
FP80	PMFA80	5
FP90	PMFA90	5
FP120	PMFA120	5
FP160	PMFA160	5

All measurements in mm.