

### DESCRIPTION

The EcoPleat Pleated Air Filter incorporates a 100% synthetic media with an average atmospheric efficiency of 25% to 30% and an average arrestance exceeding 90% by weight. The 50mm filters handle velocities up to 2.54 m/s – the 100mm filters up to 3.18 m/s.

The media is bonded to a metal grid on the air-leaving side, preventing vibration, and maintaining uniformity of the pleats. The filter pack is enclosed in a heavy-duty, moisture resistant, die-cut frame that will not warp, crack or distort under normal operating conditions.

Front and back media retainers are an integral part of the filter frame. The media pack is bonded to every part of the frame, preventing any possibility of air by-pass. Integral pleat separators on the 100mm filter provides additional pleat stabilization for the most demanding applications.

### BENEFITS

It is possible for a flat filter to face load, thus restricting airflow and placing unnecessary strain on equipment.

The EcoPleat filters accumulate the heavier, more restrictive particles at the bottom of the pleats, leaving the sides open longer for effective filtration. The EcoPleat filter media is engineered to provide maximum efficiency. In general, deeper pleats result in longer filter life and more time between changeovers.

### FEATURES

- Achieves G4 (M5 also available if required)
- Rigid construction with consistent media extends the service life.
- Longer service life means lower operating costs
- Moisture resistant 100% synthetic media
- Well-built, efficient and easy-to-handle medium efficiency filters
- Low initial pressure drop
- Consistent efficiency results
- A wide range of sizes in 50mm and 100mm thicknesses
- Conforms to U.S. and/or EU fire classification standards.

### APPLICATIONS

These filters can be used without modification in side-access filter housings or front withdrawal holding frames. They offer better efficiency than conventional washable flat or pleated filters. The EcoPleat filters, when used as pre-filters, substantially extend the life of more expensive high-efficiency filters. They are the perfect filter for residential, commercial and industrial use.

### SERVICE/MAINTENANCE

Service and maintenance can also be carried out by our trained service technicians if required (ask our representative about our competitive service/maintenance contracts).

Your Authorised Distributor:



***Peregrine Industries Pty. Ltd.***

2/14 Dennis Street

(PO Box 78 Somerton ... 3062)

Campbellfield, Victoria ... 3061

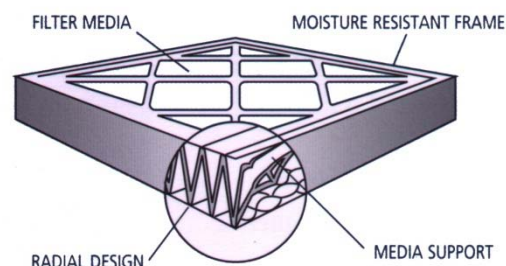
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### AIRFLOWS AND RESISTANCE

Filter Depth	Medium Velocity (m/s)	Initial resistance Medium (Pa)	High Velocity (m/s)	Initial resistance High (Pa)	Final Resistance (Pa)
50mm	1.91	34	2.54	53	250
100mm	2.54	43	3.18	69	250

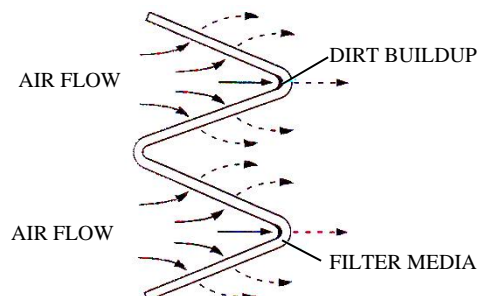
### DESIGN AND CONSTRUCTION



Part Number	Nominal size (inch)	Actual Size (mm)	Capacity (m <sup>3</sup> /s)
EP412242	12 x 24 x 2	295 x 595 x 45	0.353
EP414202	14 x 20 x 2	349 x 495 x 45	0.343
EP415202	15 x 20 x 2	371 x 495 x 45	0.367
EP416202	16 x 20 x 2	395 x 495 x 45	0.392
EP416252	16 x 25 x 2	395 x 622 x 45	0.490
EP418242	18 x 24 x 2	450 x 595 x 45	0.529
EP420202	20 x 20 x 2	495 x 495 x 45	0.490
EP420242	20 x 24 x 2	495 x 595 x 45	0.588
EP420252	20 x 25 x 2	495 x 622 x 45	0.612
EP420302	20 x 30 x 2	495 x 750 x 45	0.734
EP424242	24 x 24 x 2	595 x 595 x 45	0.705
EP412244	12 x 24 x 4	295 x 595 x 95	0.470
EP416204	16 x 20 x 4	395 x 495 x 95	0.517
EP416254	16 x 25 x 4	395 x 622 x 95	0.658
EP418244	18 x 24 x 4	450 x 595 x 95	0.706
EP420204	20 x 20 x 4	495 x 495 x 95	0.658
EP420244	20 x 24 x 4	495 x 595 x 95	0.785
EP420254	20 x 25 x 4	495 x 622 x 95	0.823
EP424244	24 x 24 x 4	595 x 595 x 95	0.940

Special sizes available upon request

### PRINCIPLE OF FILTRATION



# PROUDLY MADE IN AUSTRALIA

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