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## P Pleat™ Panel Filters

### Description

P-Pleat is a disposable panel filter product which uses 100% polypropylene as the filtering media. The media is manufactured using a modified melt blown process, which results in a graded density structure. Course fibres upstream and fine fibres downstream maximises dust capture characteristics.

Another benefit that comes of the manufacturing process is anti microbial characteristics of the media. No chemicals have been added to achieve this characteristic. Extruded polypropylene separators are then added to the pleated media in order to achieve a unique V configuration, ensuring low initial resistance and a longer filter life.

### Durability

The final product is extremely durable with high compressive strength in the air flow direction.

This durability also ensures that there is no damage to the pleats during transportation and storage. In addition, the final pleated rigid bag filter product is environmentally friendly being made from 100% polypropylene.

### Efficiencies

P-Pleat is available in ratings F6 (60/65%), F7 (80/85%) and F8 (90/95%). The media is colour coded for easy identification of efficiency.



**Made in  
Australia**

**AES Environmental**

## P Pleat - Product data

| Part No.        | Dimensions (mm) | Rating | Flowrate (l/s) | Initial resistance | Average Efficiency | ASHRAE 52.1 equiv. | Dust holding capacity (g) |
|-----------------|-----------------|--------|----------------|--------------------|--------------------|--------------------|---------------------------|
| CPMP6561061050  | 610 x 610 x 50  | F6     | 944            |                    |                    | 60-65%             |                           |
| CPMP6561030550  | 610 x 305 x 50  | F6     | 472            |                    |                    | 60-65%             |                           |
| CPMP8561061050  | 610 x 610 x 50  | F7     | 944            |                    |                    | 80-85%             |                           |
| CPMP8561030550  | 610 x 305 x 50  | F7     | 472            |                    |                    | 80-85%             |                           |
| CPMP9561061050  | 610 x 610 x 50  | F8     | 944            |                    |                    | 90-95%             |                           |
| CPMP9561030550  | 610 x 305 x 50  | F8     | 472            |                    |                    | 90-95%             |                           |
| CPMP65610610100 | 610 x 610 x 100 | F6     | 944            | 87 Pa              | 69%                | 60-65%             | 125                       |
| CPMP65610305100 | 610 x 305 x 100 | F6     | 472            |                    |                    | 60-65%             |                           |
| CPMP85610610100 | 610 x 610 x 100 | F7     | 944            | 81 Pa              | 84%                | 80-85%             | 99                        |
| CPMP85610305100 | 610 x 305 x 100 | F7     | 472            |                    |                    | 80-85%             |                           |
| CPMP95610610100 | 610 x 610 x 100 | F8     | 944            | 110 Pa             | 91%                | 90-95%             | 82                        |
| CPMP95610305100 | 610 x 305 x 100 | F8     | 472            |                    |                    | 90-95%             |                           |

### Performance testing

All filters tested to AS1324.2.4-5:

Air Filter Performance.

Test laboratory is accredited by the National Association of Testing Authorities, Australia. Accreditation number 13213.

Performance tests are conducted at least once every 5 years within a controlled environment in accordance with NATA and Australian Standards requirements.

To request a current test report contact the sales team at your nearest AES Environmental branch.

### Installation

P Pleat filters are easily made up into banks using standard 610 x 610 and 305 x 610 module sizes. To prevent air by-pass, a suitable sealant should be used between mounting frames and duct walls. Where the bank height exceeds 2 metres it is recommended that continuous stiffening bars be installed vertically between alternate rows of frames.

### How to Specify

Air filters will be a disposable mini-pleated rigid panel filter manufactured from 100% polypropylene media held in place by extruded separators and be colour coded for efficiency identification.

The supplier upon request must submit a current ASHRAE 52 or AS1324 Test Report to verify the performance rating .

Filters will be of standard sizes of either 610 x 610 x 50/100 deep, or 305 x 610 x 50/100 deep with a flow rate of 944 l/s or 629 l/s .

Mounting frames will be manufactured from galvanised steel and be complete with gasket seals and spring steel retaining clips.

### Addresses

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