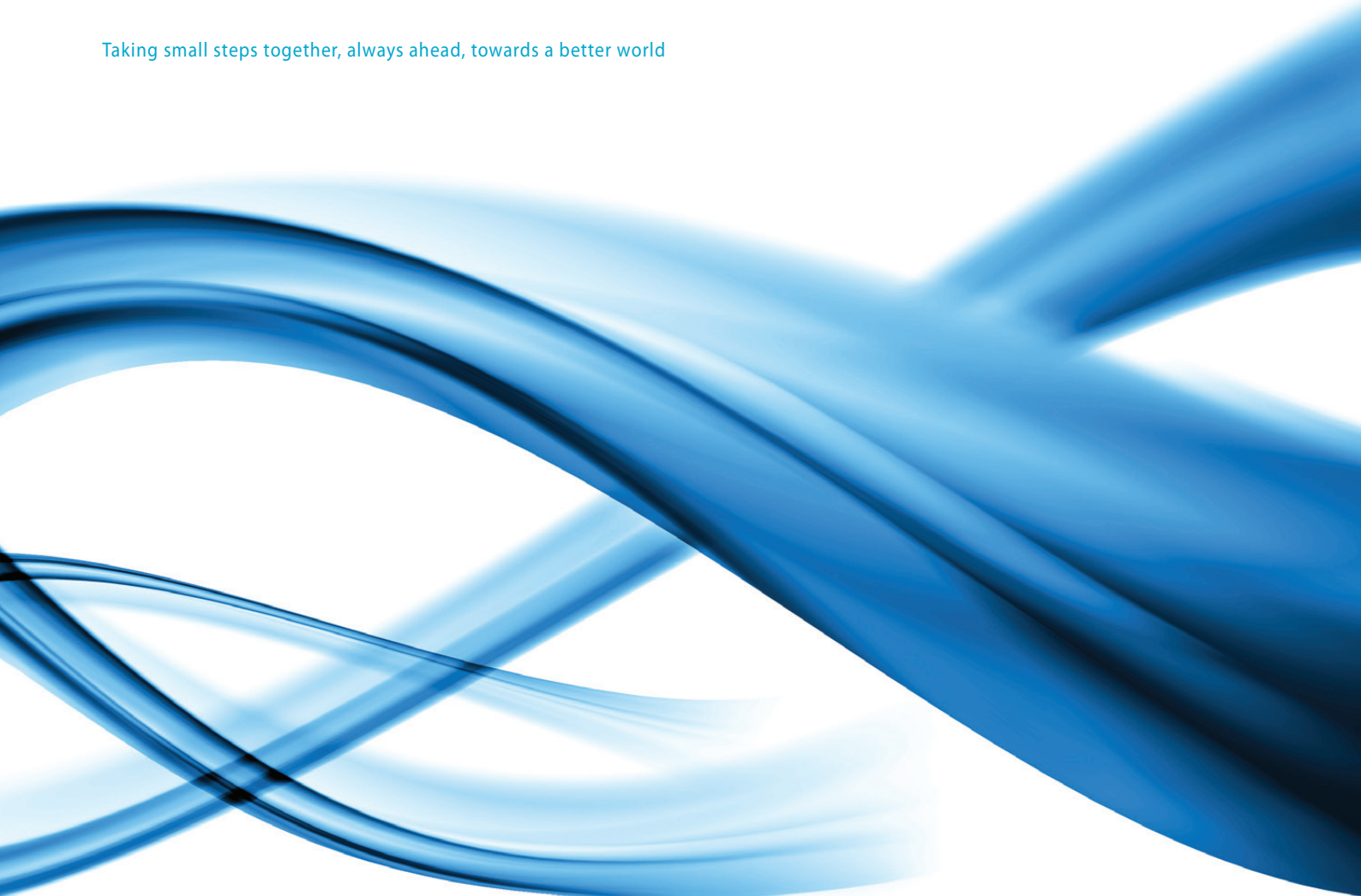




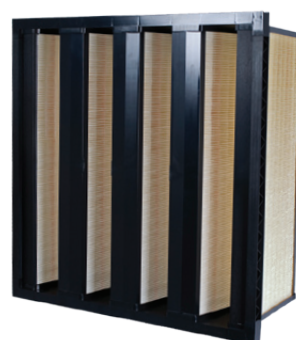
# VOKES AIR

Taking small steps together, always ahead, towards a better world



## Compatex FP

The superior solution



# Compatex FP

The superior solution



## APPLICATIONS



Clean Air



Power Generation



Clean Room



Industrial

## KEY FACTS

- ▶ **Energy efficient grade A (F7-F9)**  
For eco-friendly, low cost performance
- ▶ **Large filter surface of up to 20m<sup>2</sup>**  
Provides extremely long service life and air flows up to 5000 m<sup>3</sup>/h
- ▶ **Glass fibre paper media**  
No fibre loss
- ▶ **Cavity profile frame from recycled plastic**  
For rigidity and stable performance
- ▶ **Low pressure drop**  
Reduces energy consumption
- ▶ **Fully incinerable without pollutant emission**  
For simple disposal
- ▶ **Constructed from recyclable materials**  
Environmentally-friendly
- ▶ **Comprehensive range**  
Suited to a wide range of application
- ▶ **Independently tested**  
For assured quality and performance
- ▶ **Self-supporting and rigid**  
Provides high burst pressure and eliminates dust migration
- ▶ **Multi-directional air flow and installation**  
To suit a variety of air handling units

**Packing up to 20 m<sup>2</sup> of filter media into a robust, space-saving design, Compatex FP provides maximum performance from a minimal size. Thanks to a highly efficient media, pleated into mats and fitted into a rigid self supporting frame, Compatex FP provides an outstanding dust holding capacity, along with a high burst resistance. This ingenious design also eliminates dust migration and fibre loss.**

In addition, with a fully incinerable frame constructed from recyclable materials and a low pressure drop which reduces energy consumption, Compatex FP has been designed to minimise its impact on the environment, as well as reducing your CO<sub>2</sub> emissions.



Vokes Air participates in the ECC programme for Air Filters. Check ongoing validity of certificate: [www.eurovent-certification.com](http://www.eurovent-certification.com) or [www.certiflash.com](http://www.certiflash.com)



# Technical Data

| F – NT & HT   | FP-  | M6-610   | F7-610  | F8-610  | F9-610  |
|---|------|----------|---------|---------|---------|
| Air Flow V <sub>M</sub> (normal service life)                   | m³/h | 5000     | 5000    | 5000    | 5000    |
| Initial Pressure Drop *   | Pa   | 140      | 155     | 165     | 180     |
| Air Flow V <sub>R</sub> (rated service life)                    | m³/h | 3400     | 3400    | 3400    | 3400    |
| Initial Pressure Drop *   | Pa   | 75       | 80      | 90      | 98      |
| Filter Class as per EN 779                                      | –    | M6       | F7      | F8      | F9      |
| Efficiency (atmospheric), average, EN 779                       | %    | 60 – 80  | 80 – 90 | 90 – 95 | > 95    |
| Arrestance (gravimetric), average, EN 779                       | %    | 98 >     | 99 >    | 99 >    | ~ 100   |
| Energy Rating***  | –    | C        | A       | A       | A       |
| H – NT **   | FP-  | E10-610  | E11-610 | E12-610 | H13-610 |
| Air Flow V <sub>M</sub> (normal service life)                   | m³/h | 4250     | 3400    | 3400    | 2500    |
| Initial Pressure Drop V <sub>M</sub> *                          | Pa   | 190      | 180     | 290     | 235     |
| Air Flow V <sub>R</sub> (rated service life)                    | m³/h | 3400     | 3000    | 3000    | 2000    |
| Initial Pressure Drop V <sub>R</sub> *                          | Pa   | 140      | 155     | 260     | 180     |
| Filter Class V <sub>R</sub> as per EN 1822 (and EN 779)         | –    | E10-(F9) | E11     | E12     | H13     |
| Average Atmospheric Efficiency V <sub>R</sub> EN 779            | %    | 98       | –       | –       | –       |
| Min. Initial Efficiency V <sub>R</sub> EN 1822 (MPPS-DEHS test) | %    | 85 >     | 95 >    | 99.5 >  | 99.95 > |
| Typ. Initial Efficiency V <sub>R</sub> EN1822 (MPPS-DEHS-Test)  | %    | 86       | 96      | 99.8    | 99.98   |

\* Tolerance ± 10%  
\*\* FP-HT not available in EPA & HEPA grades

\*\*\* Energy Rating – as is the case with many consumer goods, our M5 – F9 filters are rated according to their energy efficiency on a scale of A (the best) to G (the worst). These ratings are certified by Eurovent and in accordance with the 4/11 scheme.

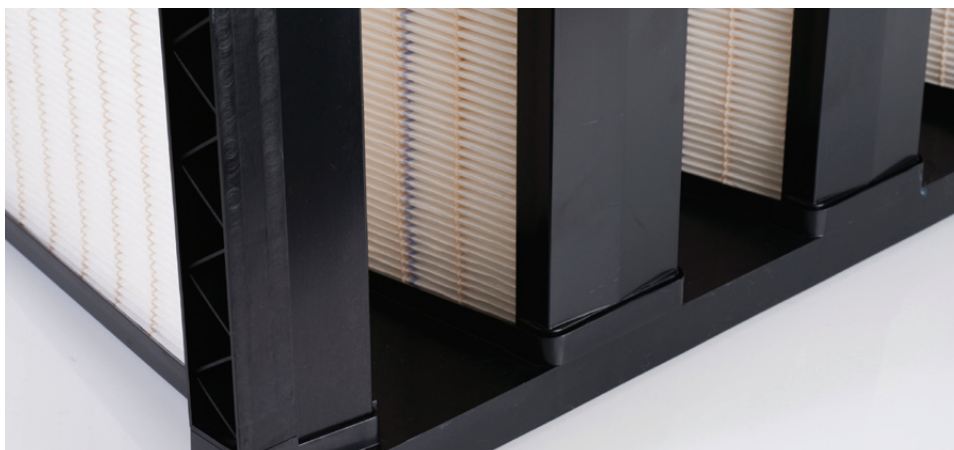


#### Application Parameters

|   |  |
|---|--|
| <b>Continuous operating temperature</b>   | NT: < 75°C<br>HT: < 120°C                  |
| <b>Pressure drop</b><br>- Recommended final pressure drop<br>- Max. final pressure drop | 450 Pa<br>800 Pa                           |
| <b>Bursting pressure (new filter)</b>   | M6 – F9: > 1500 Pa<br>E10 – H13: > 2000 Pa |
| <b>Admissible relative humidity</b>   | < 100%                                     |

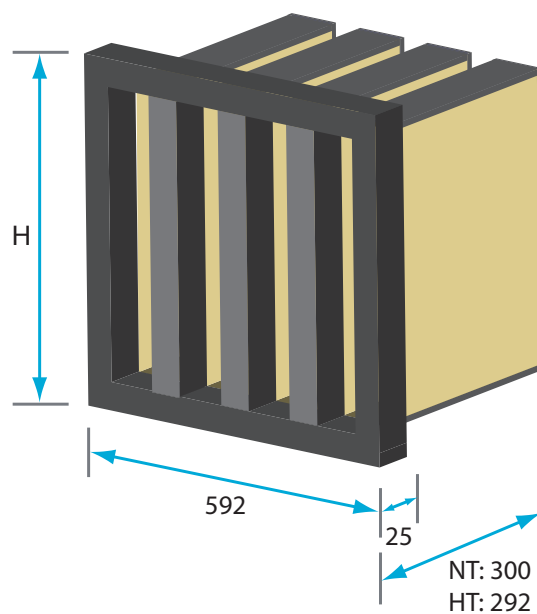
#### Materials

|   |  |
|---|--|
| <b>Filter media</b>                         | M6 – F9: 18m <sup>2</sup> glass fibre paper pleated to form mats<br>E11 – H13: 20m <sup>2</sup> glass fibre paper pleated to form mats |
| <b>Frame – NT</b>                           | Incinerable halogen-free recycled Polystyrol   |
| <b>Frame – HT</b>                           | Plastic and galvanized steel   |
| <b>Sealant</b>                              | Polyurethane   |
| <b>Flammability class of materials used</b> | NT: K2/F2 according DIN 53438<br>HT: K1/F1 according DIN 53438   |

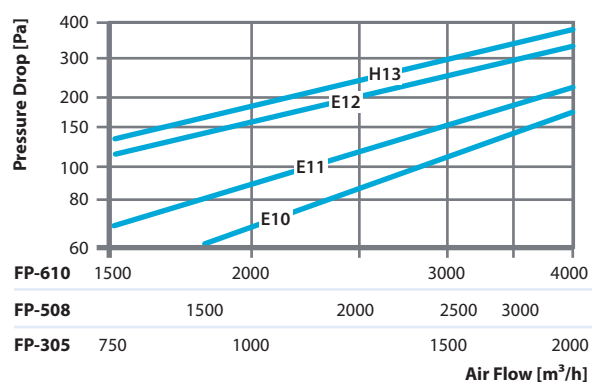
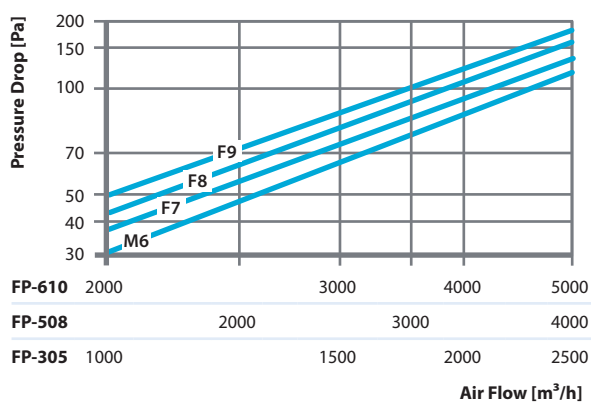




| FP-...        | 305 | 420 | 508 | 610 |
|---------------|-----|-----|-----|-----|
| Dimension H   | 287 | 402 | 490 | 592 |
| Weight kg (F) | 2.7 | 3.6 | 4.2 | 5.0 |
| Weight kg (H) | 3.2 | 4.4 | 5.2 | 6.2 |



▲ Dimensions (mm)



## OUR LOCATIONS

---

### ÖSTERREICH

Tel: +43 (0) 1 698 66 77 0

### FRANCE

Tel: +33 (0) 1 64 07 61 25

### ITALIA

Tel: +39 022 692 6321

### SOUTH AFRICA

Tel: +27 (0) 114 250 470

### SVERIGE

Tel: +46 (0) 325 661 600

### UNITED KINGDOM

Tel: +44 (0) 1282 413 131

### DANMARK

Tel: +45 364 966 00

### SCHWEIZ

Tel: +41 (0) 433 992 700

### NEDERLAND

Tel: +31 888 653 724

### DEUTSCHLAND

Tel: +49 (0) 2339 128 00  
oder +49 (0) 6181 9082 01

### ESPAÑA

Tel: +34 937 522 718

In view of continuous research and development we reserve the right to modify specifications and dimensions without prior notice. For quoted standards, the issue valid at the print date of this leaflet is relevant.  
© Vokes Air • 07/2012 • EN • 0005



Taking small steps together, always ahead, towards a better world