



# VOKES AIR

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

## Compatex FP

The superior solution



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The superior solution

## APPLICATIONS



Clean Air



Power Generation



Clean Room



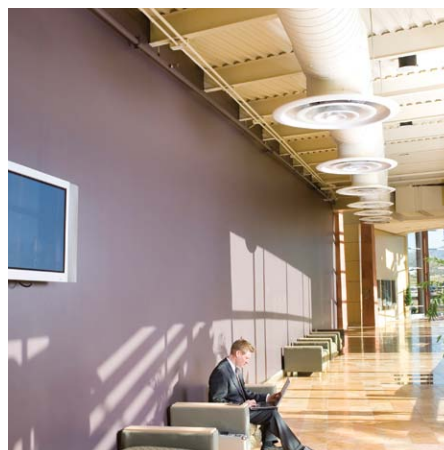
Industrial

## KEY FACTS

- ▶ **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 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.



## Technical Data

F – NT	FP-	F6-610	F7-610	F8-610	F9-610
<b>Air Flow (normal service life)</b>	m <sup>3</sup> /h	5000	5000	5000	5000
<b>Initial Pressure Drop</b>	Pa	140	155	165	180
<b>Air Flow (long service life)</b>	m <sup>3</sup> /h	4250	4250	4250	4250
<b>Initial Pressure Drop</b>	Pa	99	110	125	145
<b>Filter Class as per EN 779</b>	–	F6	F7	F8	F9
<b>Efficiency (atmospheric), average, EN 779</b>	%	60 – 80	80 – 90	90 – 95	> 95
<b>Arrestance (gravimetric), average, EN 779</b>	%	98 >	99 >	99 >	~ 100
H – NT *	FP-	E10-610	E11-610	E12-610	H13-610
<b>Air Flow V<sub>M</sub> (normal service life)</b>	m <sup>3</sup> /h	4250	3400	3400	2500
<b>Initial Pressure Drop V<sub>M</sub></b>	Pa	190	180	290	235
<b>Air Flow V<sub>R</sub> (long service life)</b>	m <sup>3</sup> /h	3400	3000	3000	2000
<b>Initial Pressure Drop V<sub>R</sub></b>	Pa	140	155	260	180
<b>Filter Class V<sub>R</sub> as per EN 1822 (and EN 779)</b>	–	E10-(F9)	E11	E12	H13
<b>Average Atmospheric Efficiency V<sub>R</sub> EN 779</b>	%	98	–	–	–
<b>Min. Initial Efficiency V<sub>R</sub> EN 1822 (MPPS-DEHS test)</b>	%	85 >	95 >	99.5 >	99.95 >
<b>Typ. Initial Efficiency V<sub>R</sub> EN1822 (MPPS-DEHS-Test)</b>	%	86	96	99.8	99.98
<b>Typ. Initial Efficiency at V<sub>R</sub> EUROVENT 4/4 (NaCl-Test)</b>	%	96	99	99.94	99.995

\* FP-HT not available in HEPA grades



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### Application Parameters

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<b>Continuous operating temperature</b>	NT: < 75°C HT: < 120°C
<b>Pressure drop</b> - Recommended final pressure drop - Max. final pressure drop	450 Pa 800 Pa
<b>Bursting pressure (new filter)</b>	F6 – F9: > 1500 Pa E10 – H13: > 2000 Pa
<b>Admissible relative humidity</b>	< 100%

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### Materials

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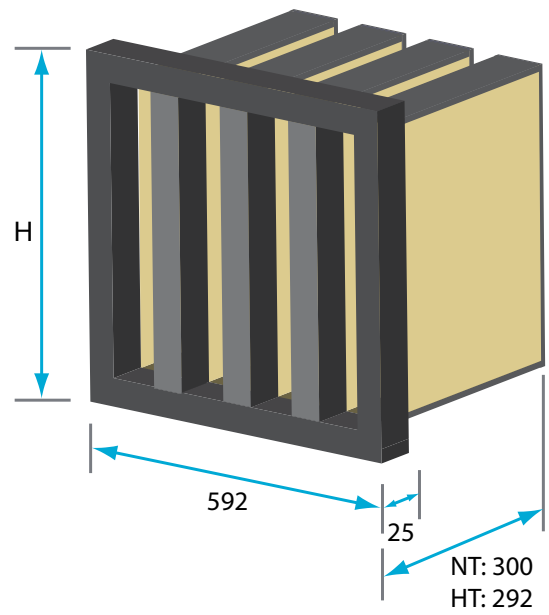
<b>Filter media</b>	F6 – F9: 18m <sup>2</sup> glass fibre paper pleated to form mats E11 – H13: 20m <sup>2</sup> glass fibre paper pleated to form mats
<b>Frame – NT</b>	Incinerable halogen-free recycled Polystyrol
<b>Frame – HT</b>	Plastic and galvanized steel
<b>Sealant</b>	Polyurethane
<b>Flammability class of materials used</b>	NT: K2/F2 according DIN 53438 HT: K1/F1 according DIN 53438

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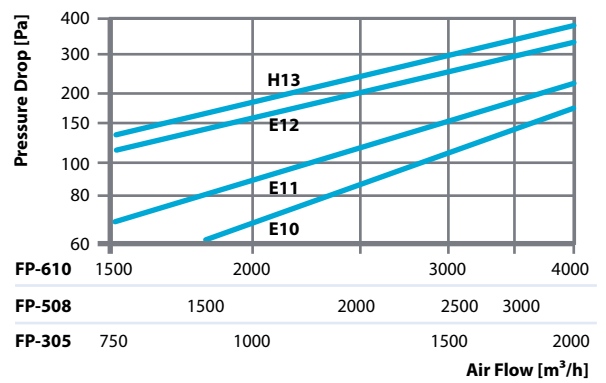
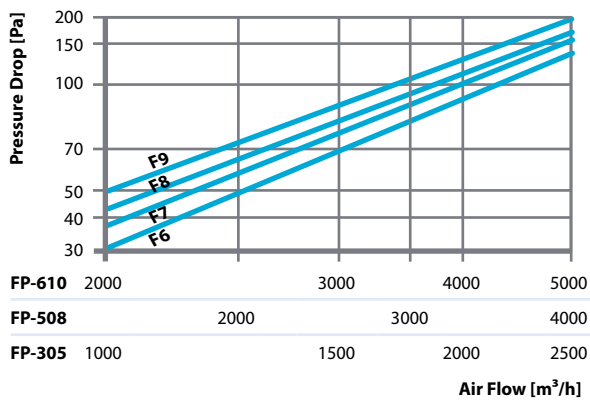




FP-...	305	420	508	610
<b>Dimension H</b>	287	402	490	592
<b>Weight kg (F)</b>	2.7	3.6	4.2	5.0
<b>Weight kg (H)</b>	3.2	4.4	5.2	6.2



▲ Dimensions (mm)



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