



## COMPATEX FP

### THE SUPERIOR SOLUTION



- Large filter surface of up to 20m<sup>2</sup>
  - Extremely long service life
  - Air flow up to 5000 m<sup>3</sup>/h
- Glass fibre paper
  - No fibre loss
- Cavity profile frame from recycled plastic
- Low Pressure Drop
- Fully incinerable without pollutant emission – recyclable materials
- Comprehensive range
  - Independently tested
- Self-supporting and rigid
  - High bursting pressure, dust migration impossible
- Direction of air flow and installation can be chosen either way round

**Compatex FP** filters remove air contamination such as fine dust, smoke, vapour, soot, pollen, bacteria, etc. and are therefore ideally suitable as final filters or as prefilters for HEPA or ULPA filters in air conditioning installations.

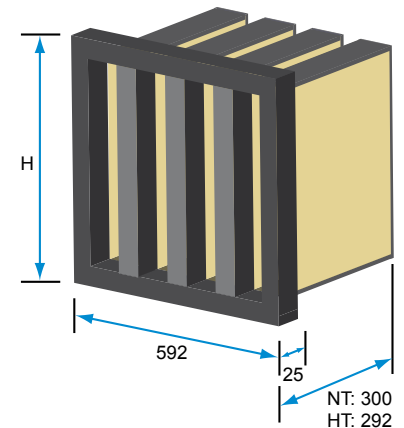
They are suitable for all standard filter applications, especially with those requiring increased service life, safety and versatility. **Compatex FP** filters are available in 8 efficiencies, 4 nominal sizes, 2 depths and 2 models – normal (NT) and high (HT) temperature.

COMPATEX

## Technical Data

F – NT	FP-	F6-610	F7-610	F8-610	F9-610
<b>Air Flow</b> (normal service life)	m³/h	5000	5000	5000	5000
<b>Initial Pressure Drop</b>	Pa	140	155	165	180
<b>Air Flow</b> (long service life)	m³/h	4250	4250	4250	4250
<b>Initial Pressure Drop</b>	Pa	99	110	125	145
<b>Filter Class</b> as per EN 779	–	F6	F7	F8	F9
<b>Efficiency</b> (atmospheric), average, EN 779	%	60 – 80	80 – 90	90 – 95	> 95
<b>Arrestance</b> (gravimetric), average, EN 779	%	98 >	99 >	99 >	~ 100
H – NT *	FP-	H10-610	H11-610	H12-610	H13-610
<b>Air Flow</b> V <sub>M</sub> (normal service life)	m³/h	4250	3400	3400	2500
<b>Initial Pressure Drop</b> V <sub>M</sub>	Pa	190	180	290	235
<b>Air Flow</b> V <sub>R</sub> (long service life)	m³/h	3400	3000	3000	2000
<b>Initial Pressure Drop</b> V <sub>R</sub>	Pa	140	155	260	180
<b>Filter Class</b> V <sub>R</sub> as per EN 1822 (and EN 779)	–	H10-(F9)	H11	H12	H13
<b>Average Atmospheric Efficiency</b> V <sub>R</sub> EN 779	%	98	–	–	–
<b>Min. Initial Efficiency</b> V <sub>R</sub> EN 1822 (MPPS-DEHS test)	%	85 >	95 >	99.5 >	99.95 >
<b>Typ. Initial Efficiency</b> V <sub>R</sub> EN1822 (MPPS-DEHS-Test)	%	86	96	99.8	99.98
<b>Typ. Initial Efficiency at V<sub>R</sub></b> EUROVENT 4/4 (NaCl-Test)	%	96	99	99.94	99.995

## Dimensions (mm)

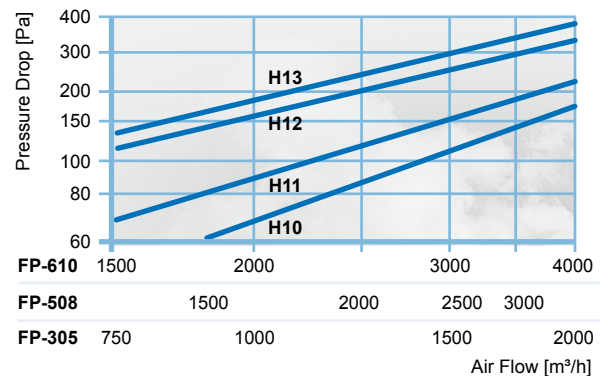
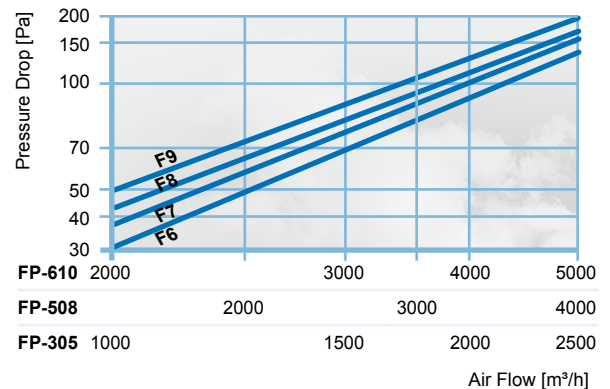


FP-...	305	420	508	610
<b>Dimension H</b>	287	402	490	592
<b>Weight kg (F)</b>	2.7	3.6	4.2	5.0
<b>Weight kg (H)</b>	3.2	4.4	5.2	6.2

\* FP-HT not available in HEPA grades

## Application Parameters

<b>Continuous operating temperature</b>	NT: < 75°C HT: < 120°C
<b>Pressure drop</b>	
Recommended final pressure drop	450 Pa
Max. final pressure drop	800 Pa
<b>Bursting pressure (new filter)</b>	F6 – F9: > 1500 Pa H10 – H13: > 2000 Pa
<b>Admissible relative humidity</b>	< 100%



## Materials

<b>Filter media</b>	F6 – F9: 18m² glass fibre paper pleated to form mats H11 – H13: 20m² 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

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.