



# Compact Filters F5-F9

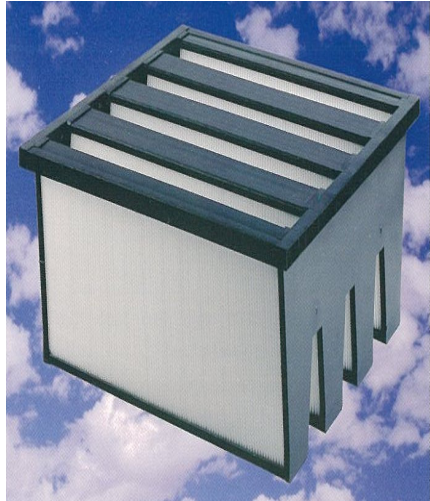
**Applications**

for filtration in any kind of air handling units

- offices, hospitals, computing centers.
- pharmaceutical and fine mechanical industry, food production.
- prefilter for hepa filters
- for high air flow rates and long service lives.

**Filter class EN779**

- filter class **F5 (EU5)**
- filter class **F6 (EU6)**
- filter class **F7 (EU7)**
- filter class **F8 (EU8)**
- filter class **F9 (EU9)**



**Material characteristics**

- tested according to EN779
- unbreakable, synthetic fibers
- flame resistance according to DIN 53438, F1
- temperature resistance up to 80°C
- humidity resistance up to 100% r. F.

**Versions**

- standard sizes with building depth of 292mm (4 V)
- all components as individual parts available
- all components from plastic
- available in F5 on demand

## FILTER MEDIA DATA

### High performance filter media

Manufactured from shatterproof, synthetic polypropylene fibers with varying efficiencies.

### Housing

The plastic housing is extremely stable and strong due to the construction and the ultrasonic welding.

### No health endargement

The shatterproof synthetic fibers are extremely flexible and mechanically almost indestructible contrary to glass fibre fleeces. Thus there will be no fibre migration making these filters a healthy alternative.

### Installation types

Compact filters can be fastened to existing holding frames or channel installations. The filters are dual directional.

### Environment and disposal

Compact filters are fully incinerable making them particularly environmentally and disposable-friendly.

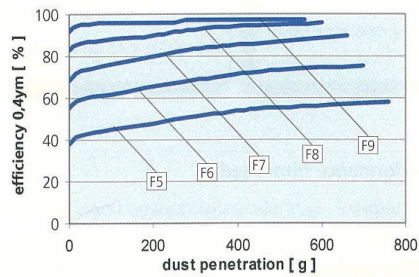
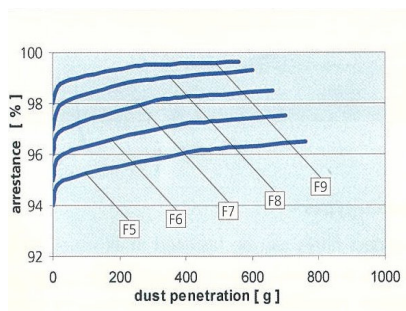
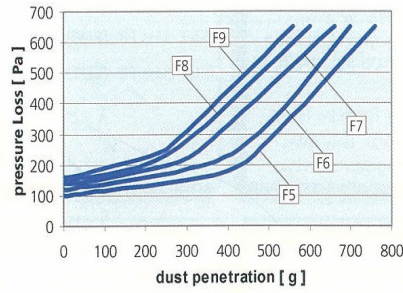
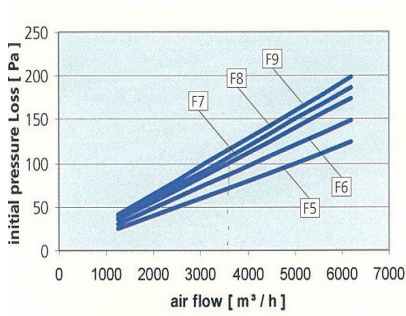
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## FILTER TECHNICAL TEST DATAS\*



Width mm	Height mm	Net Filtering Area m²	Nominal Air Flow Rate m³/h	F5 / EU5				F6 / EU6				F7 / EU7				F8 / EU8				F9 / EU9			
				Initial Pressure Loss Pa	Average Arrestance %	Average Efficiency 0.4µm %	Dust Holding Capacity g	Initial Pressure Loss Pa	Average Arrestance %	Average Efficiency 0.4µm %	Dust Holding Capacity g	Initial Pressure Loss Pa	Average Arrestance %	Average Efficiency 0.4µm %	Dust Holding Capacity g	Initial Pressure Loss Pa	Average Arrestance %	Average Efficiency 0.4µm %	Dust Holding Capacity g	Initial Pressure Loss Pa	Average Arrestance %	Average Efficiency 0.4µm %	Dust Holding Capacity g
596 X	596	19	5000	100	96	52	720	120	98	65	670	140	99	85	630	150	99,3	92	560	160	99,5	96	530
490 X	596	15	4100	100	96	52	600	120	98	65	560	140	99	85	525	150	99,3	92	470	160	99,5	96	440
287 X	596	9,5	2500	100	96	52	350	120	98	65	330	140	99	85	310	150	99,3	92	275	160	99,5	96	260

**Indications:** Standard Depth 292mm  
 Width and Height Size can be charged  
 All values are according to EN779  
 Recommend final pressure loss 650Pa

\* With indicated test datas it gives average values with tolerances due to variations of the production. For the correct of the datas it will require the express, written confirmation in individual cases by Volz Luftfilter.

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