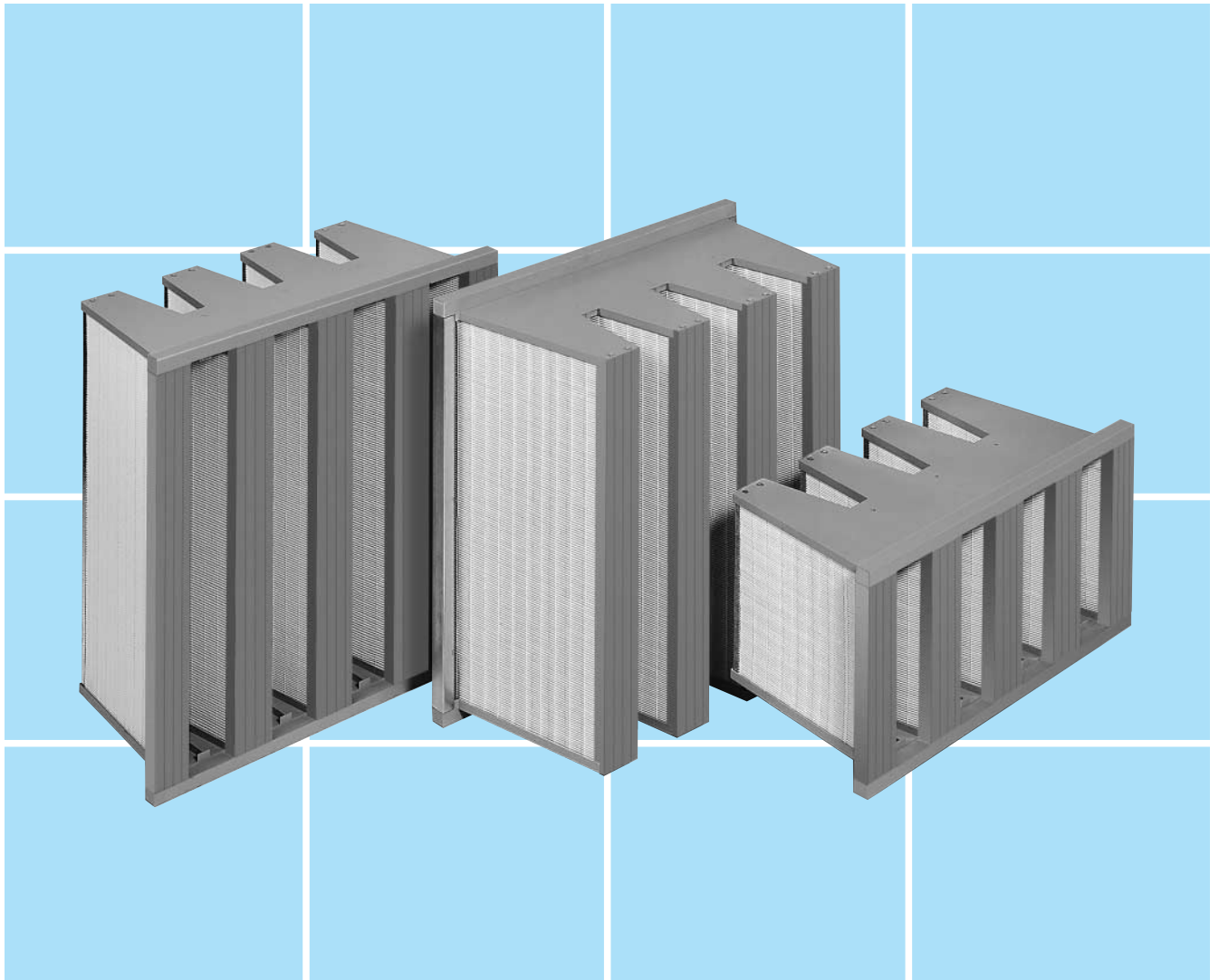


Luwa® Fine Dust Filter FP



The superior solution

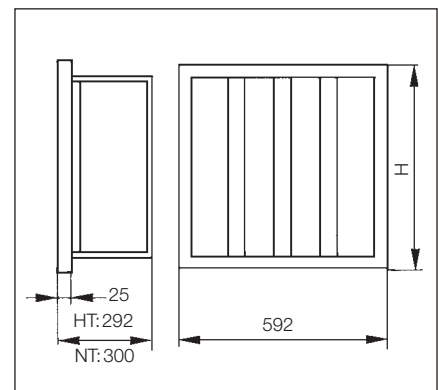
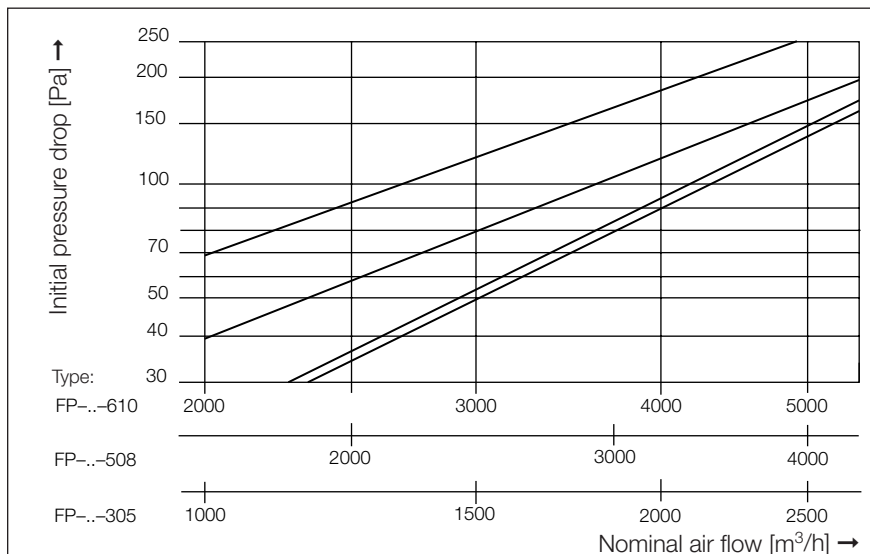
- Comprehensive range – independently tested
- Low pressure drop – maximum economy
- Large filter surface of 18 m² – extremely long service life – nominal air flow up to 5000 m³/h
- Glass fibre paper – no fibre loss
- Self-supporting rigid structure – high bursting pressures, dust migration impossible
- Direction of air flow and installation can be chosen either way round
- Without pollutant emission fully incinerable – recyclable materials
- Frame manufactured from recycled plastic

Luwa

Luwa Fine Dust Filter FP – the superior solution

Technical Data

Luwa Fine Dust Filter	FP-	65-610	75-610	85-610	95-610	98-610
Air flow (normal service life)	m ³ /h	5000	5000	5000	5000	4250
Initial pressure drop	Pa	140	140	145	160	190
Rated air flow (long service life)	m ³ /h	4250	4250	4250	4250	3400
Initial pressure drop	Pa	100	100	105	120	140
Filter class as per EN 779	–	F6	F6	F7	F8	F9
Filter class as per EUROVENT 4/5, DIN 24185	–	EU6	EU6	EU7	EU8	EU9
Efficiency (atmospheric) average ³⁾ , EN 779	%	70	70	82	93	98
Arrestance (gravimetric) average ³⁾ , EN 779	%	>95	>98	>99	>99	~100



Types, Dimensions

FP-..	-305	-420	-508	-610
Dim. H	287	402	490	592
Weight kg	2.8	3.7	4.3	5.1

Luwa FP Fine Dust Filters remove air contamination such as fine dust, smoke, vapor, 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**. Luwa FP Filters are available in 6 efficiencies¹⁾, 4 nominal sizes, 2 depths²⁾ and 2 models (NT/HT).

Application parameters

Continuous operating temperature:
 – Model «NT»: <75 °C⁴⁾
 – Model «HT»: ≤120 °C

Pressure drop:

- recommended final pressure drop: 450 Pa
- max. final pressure drop (endurance strength): 800 Pa
- bursting pressure (new filter): > 1500 Pa

Admissible relative humidity:

- FP-65: <85 %
- FP-75/85/95/98: <100 %

Materials

Filter medium:

- FP-65: 18 m² cellulose fibre paper,
- FP-75: 16 m² glass fibre paper,
- FP-85/95/98: 18 m² glass fibre paper, zigzag folded to form mats

Frame «NT»:

Incinerable halogenefree recycled Polystyrol

Frame «HT»:

Plastic and galvanized steel

Sealant:

Polyurethane

Flammability class. of materials used:

- Model «NT»:
K2/F2 according DIN 53438
- Model «HT»:
K1/F1 according DIN 53438

Remarks

- ¹⁾ Luwa Ultrafilter FP, refer to leaflet 42.12.01
- ²⁾ Luwa Fine Dust Filter FP-P, refer to leaflet 42.13.01
- ³⁾ Measurements acc. to ASHRAE 52.1 and EUROVENT 4/5. Official test reports upon request.
- ⁴⁾ Temperatures over this limit are to be avoided.