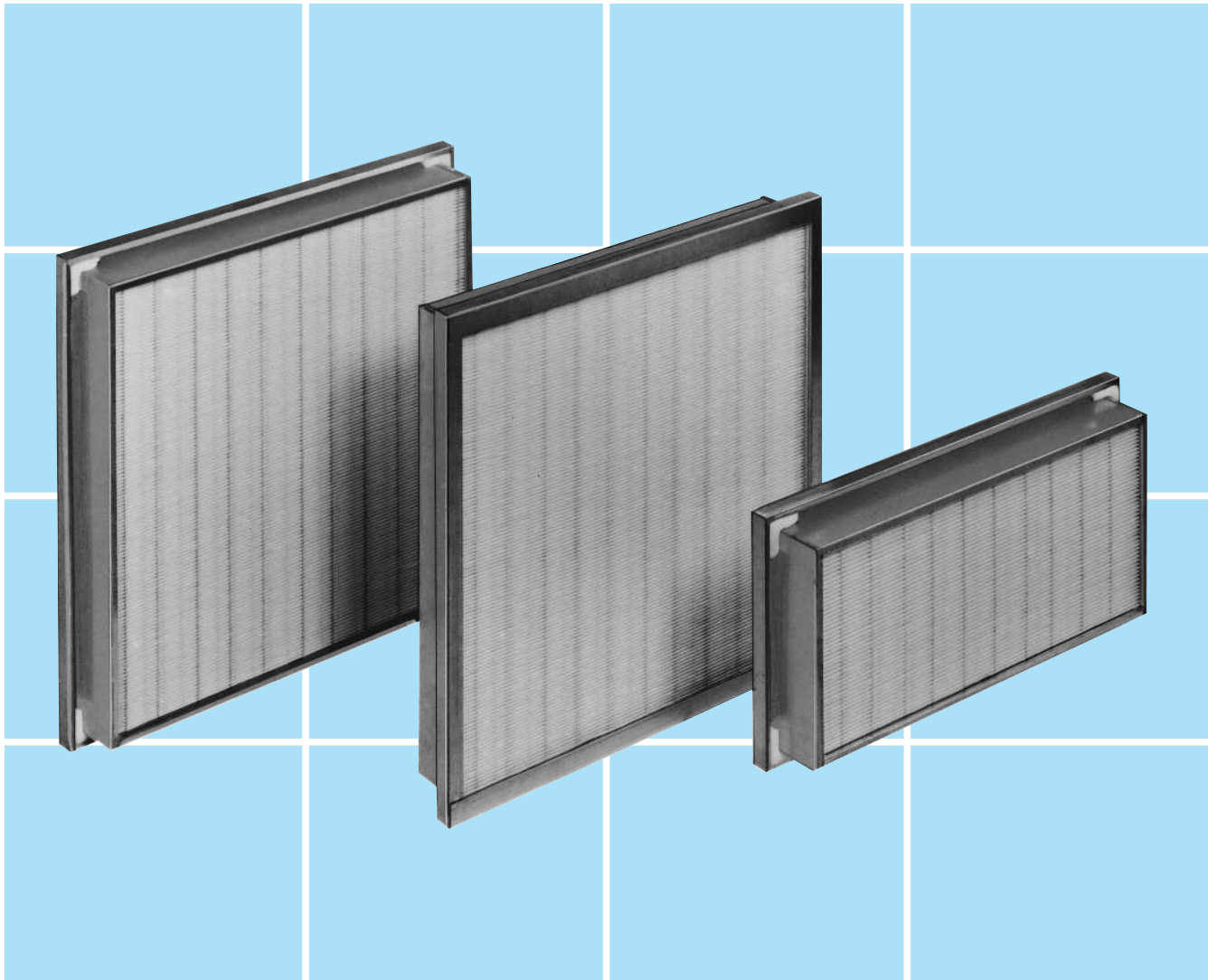


# Luwa<sup>®</sup> Fine Dust Filter FP-P



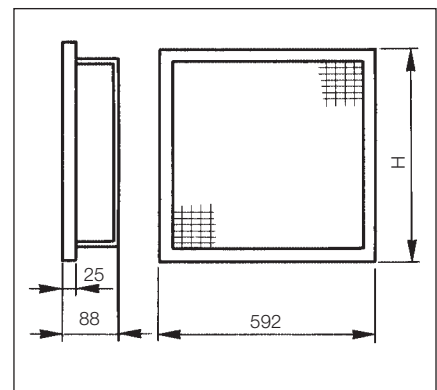
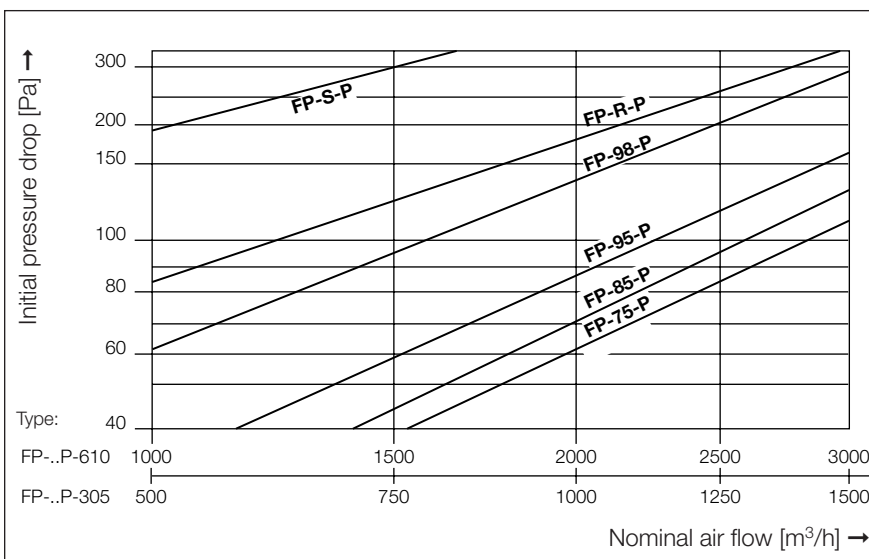
## The superior solution

- Nominal air flow up to 3000 m<sup>3</sup>/h per cell
- Low pressure drop – maximum economy
- Large filter surface of 8.5 m<sup>2</sup> – long service life
- Glass fibre paper – no fibre loss, no shedding
- Self supporting rigid structure – high bursting pressures, dust migration impossible
- Direction of air flow and installation can be chosen either way round
- Light weight and minimal installation depth only 88 mm

**Luwa**

## Technical Data

Luwa Fine Dust Filter	FP-	75-P610	85-P610	95-P610	98-P610	R-P610	S-P610
Air flow (normal service life)	m <sup>3</sup> /h	3000	3000	3000	2500	2500	1500
Initial pressure drop	Pa	105	130	160	190	250	300
Rated air flow (long service life)	m <sup>3</sup> /h	2500	2500	2500	2000	2000	1000
Initial pressure drop	Pa	80	100	120	140	190	190
Filter class as per EN 779, EN 1822	–	F6	F7	F8	F9 + H10	H11	H12
Filter class as per EUROVENT 4/5 resp 4/4	–	EU6	EU7	EU8	EU9	EU10	EU12
Efficiency (atmospheric) average <sup>3)</sup> , EN 779	%	73	82	93	98	>98	–
Arrestance (gravimetric), average <sup>3)</sup> , EN 779	%	>98	>99	>99	~100	–	–
Efficiency (MPPS-DEHS), EN 1822	%	–	–	–	≥85	≥95	≥99.5



### Types, Dimensions

FP-..	-P-305	-P-610
Dimension H	287	592
Weight kg	2.0	3.0

Luwa FP-P 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 efficiencies<sup>1)</sup>, 4 nominal sizes, 2 depths<sup>2)</sup> and 2 models (NT/HT).

### Application parameters

Continuous operating temperature: ≤70 °C (on request, versions for 120 °C available)

Pressure drop:

- recommended final pressure drop: ≤450 Pa
- max. final pressure drop (endurance strength): ≤800 Pa
- bursting press. (new filter): > 1000 Pa

Admissible relative humidity: < 100 %

### Materials

Filter medium:  
Micro-glass fibre paper, zigzag folded to form mats

### Frame:

Galvanized steel

### Sealant:

Polyurethane

Flammability classification of materials used, min.:

– K2/F2 according DIN 53438  
(on request, versions K1/F1 available)

### Remarks

- <sup>1)</sup> Luwa Ultrafilter FP, refer to leaflet 42.12.01
- <sup>2)</sup> Luwa Fine Dust Filter FP, refer to leaflet 42.11.01
- <sup>3)</sup> Measurements acc. to ASHRAE 52.1 and EUROVENT.