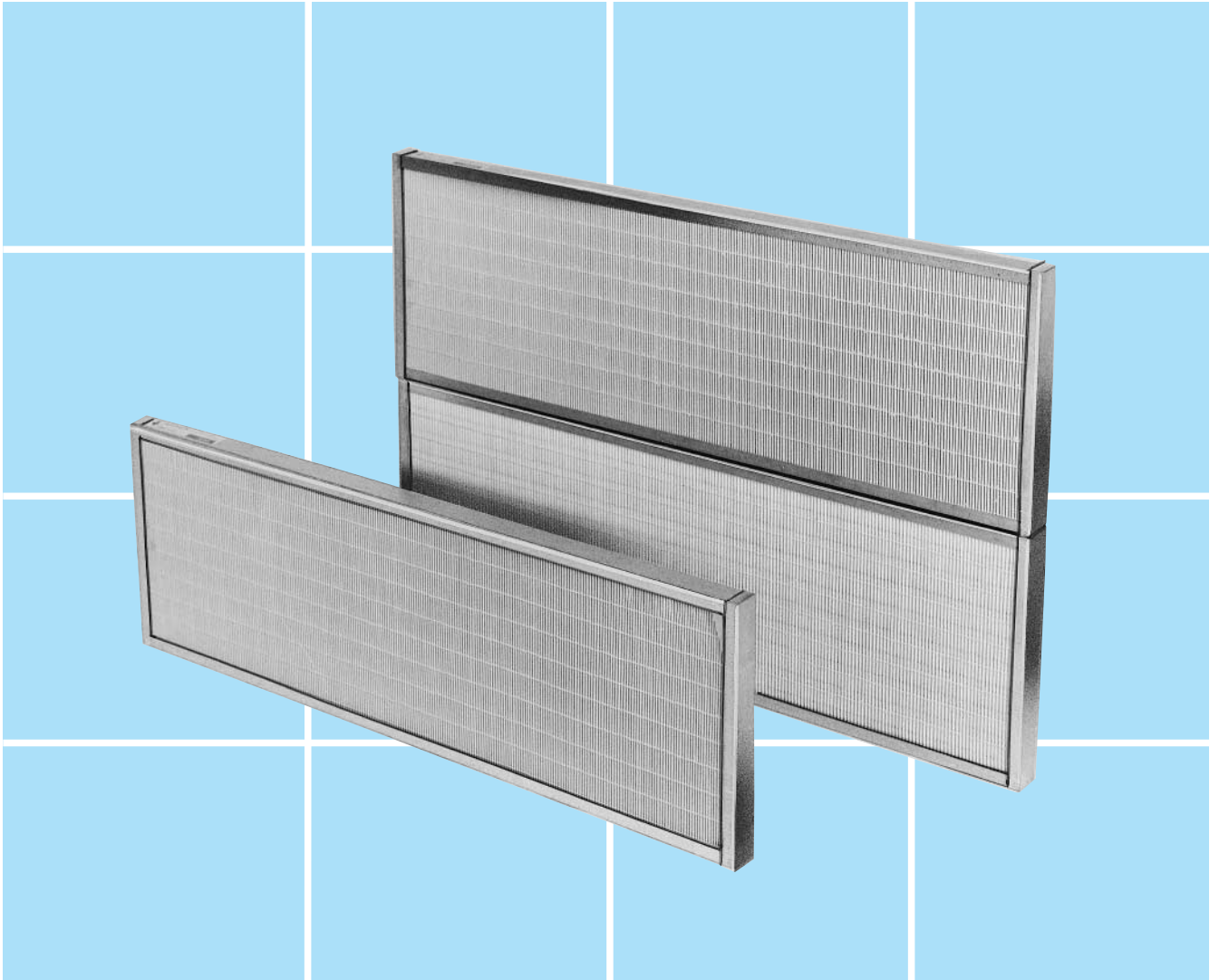


# Luwa<sup>®</sup> Ultrafilter P



## The economic solution for clean air

- Efficiencies 85 to 99.98 % according to EN 1822
- Long life thanks to large filter area
- Fits into the versatile Luwa P-Duct System
- Low frame height – only 23 mm
- Quality H13 100 % leak tested – guaranteed leak-free

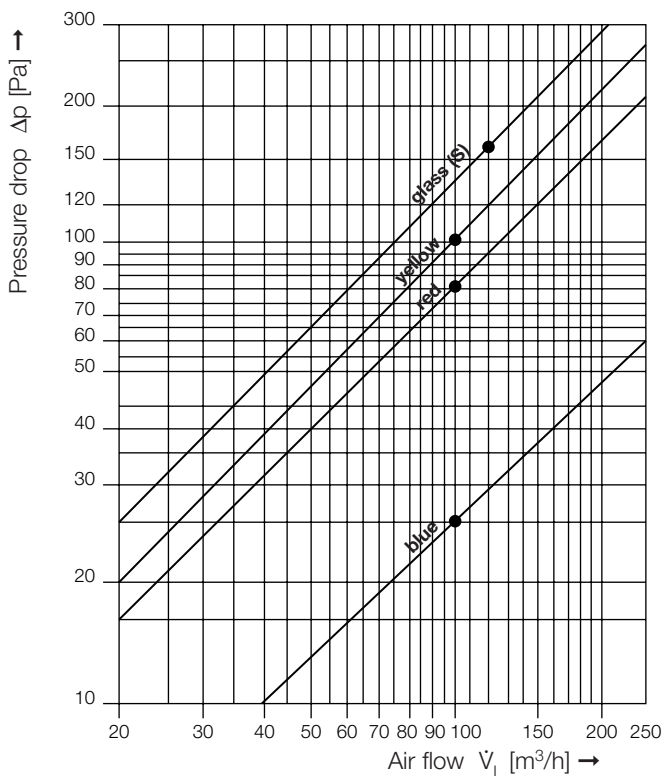
**Luwa**

# Luwa® Ultrafilter P

Technical Data	Type P-	blue	red	yellow	glass
	Filter medium	cellulose	cellulose	cellul. + glass fibre	glass fibre
Rated air flow per filter	m <sup>3</sup> /h	100	100	100	120
Rated face velocity*)	m/s	0.23	0.23	0.23	0.28
Initial pressure drop at rated air flow	Pa	25	85	105	160
Recommended final pressure drop	Pa	100	200	300	400
Filter medium area per filter	ca. m <sup>2</sup>	1.5	1.6	1.7	1.3
Weight per filter	ca. kg	0.60	0.85	0.75	0.65
Filter class: according to EN 779 (type blue)	–	F9			
according to EN 1822 (other types)	–		H10	H11	H13
Flammability class according to DIN 53438	–	K2/F2	K2/F2	K2/F2	K1/F1
Max. continuous temperature	°C	100	100	100	125
Admissible relative air humidity	%	≤85	≤85	≤85	<100
<b>Initial separation efficiencies</b>					
EN 1822 (MPPS-DEHS aerosol)	%	–	<85	<95	<99.98
EUROVENT 4/4 (NaCl aerosol, ≈ 0.6 µm)	%	70	92.3	98,6	>99.995
U.S. Mil. Std. 282 (DOP aerosol, (0.3 µm)	%	–	–	–	99.99
EN 779 (average atmospheric efficiency)	%	95	–	–	–

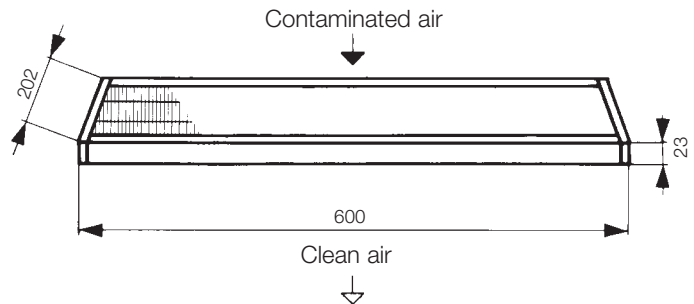
\*) face velocity, relative to external filter dimensions

## Initial pressure drop



## Dimensional sketch

dimensions in mm



## Material specification

- Filter medium: micro fibre paper, material see table above
- Frame: galvanised steal
- Sealant: Polyurethane

## Sealing of filter cells

By a special adhesive tape 25 mm / 55 m  
 (One roll suffices for about 50 P type filters)  
 Version for temperatures up to 70 °C:  
 Order No. 413 10 9010  
 Version for temperatures up to 135 °C:  
 Order No. 415 50 9012

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.

**Luwa**