



**ULTRAFILTER**  
THE FILTRATION MANUFACTURER

*Kronsbein ultrafilter*®



**ultrafilter silicone free filter  
FFP / MFP / SMFP  
with ultra fibre technology**

# High Performance filter FFP/MFP/SMFP

## High performance filter ultrafilter

- ultrafilter high-performance depth filter for removal of water and oil aerosols as well as particles from compressed air and gases. Free of parting agents and silicone, these filters are especially developed for lacquer and optical applications.
- Thanks to the unique combination of binderfree, non-woven ultra fibre filter media and pleating technology, a reduction in energy costs of 70 % is achieved, as well as an improved filtration performance.
- The new ultra fibre material from ultrafilter is oleophobic, which means oil and water are actively rejected, so the differential pressure drop and therefore operation costs are reduced to a minimum compared with a conventional filter element.

Features	Benefits
Binderfree, thermally welded nanofilter media	Low differential pressure and high particle load
Oleophobic filter media	rejects oil and water
Free of silicone and parting agents	recommended for lacquer and optical industry
Pleated filter media	450 % more filtration surface, higher particle load capacity, low air flow speed
Support sleeves of stainless steel (316L)	Extremely large free flow, secure and long operation

Retention rate at a particle size of 0,01 µm:	
FFP	99,999 %
MFP	99,99998 %
SMFP	99,99999 %

Start-up differential pressure:	
FFP	0,04 bar
MFP	0,08 bar
SMFP	0,09 bar

Type	Residual oil content at an inlet of		Residual oil content acc. ISO 12500-1
	3 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	
FFP	<0,1 ppm	0,2 ppm	99,6 %
MFP	<0,03 ppm	0,03 ppm	99,7 %
SMFP	<0,01 ppm	0,02 ppm	99,8 %

## Advantages and benefits

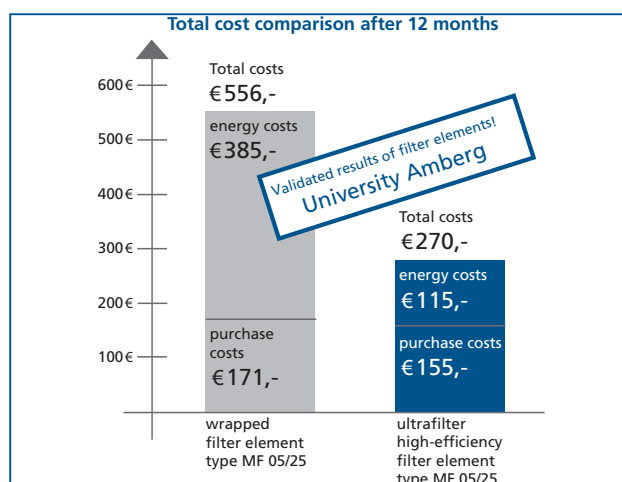
- 450 % greater filter media compared to standard elements
- free of parting agents
- silicone-free
- lower differential pressure
- 70 % less energy costs

## Applications

- chemical and petrochemical industry
- pharmaceutical industry
- food & beverage
- plastic industry
- process filtration
- instrumentation air

Materials	
no outer foam sock:	according to requirements of automotive industry
Support sleeves inner/outer:	stainless steel 1.4404 / 316L / V4A
Pre- and after filter medium:	pleated Cerex
Filter medium	binderfree ultra fibres of borosilicate
Bonding:	Polyurethane
End caps:	Aluminium
O-Rings:	Perbunan, silicon free and free of parting compounds

Max. differential pressure:
5 bar at 20°C, independent from operation pressure



Technical alterations reserved.



ultrafilter gmbh

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