

Hall Pyke



Compressed Air Filters

Ultrafilter High-Performance Filter

The SMART choice for filtration

Ultrafilter High-Performance Filter

FF / MF /SMF with nanotechnology

Features:	Benefits:
Binderfree, thermally welded nanofilter media	Low differential pressure and high particle load
Oleophobe filter media	Rejects oil and water
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

- 450 % greater filter media compared to standard elements
- lower differential pressure
- improved filtration efficiency
- greater dirt-capturing capacity
- 70 % less energy costs

Materials of Manufacture

Outer foam sock	Blue polyurethane foam sock up to 80°C HT/CR sock up to 120°C HT/NX sock up to 180°C
Support sleeved inner/outer	Stainless steel 1.4301
Pre- and after filter medium	Pleated Cerex
Filter medium	Binderfree nanofibres of borosilicate
Bonding	Polyurethane
End caps	Aluminium
O-rings	Perbunan, silicon free and free of parting compounds

Retention rate at a particle size of 0,01 µm

FF	99,999%
MF	99,99998%
SMF	99,99999%

Residual oil content at an inlet of 3 mg/m³

FF	0,1 mg/m ³
MF	0,03 mg/m ³
SMF	<0,01 mg/m ³

Max. differential pressure

5 bar at 20°C, independent from operation pressure

Start-up differential pressure

FF	0,04 bar
MF	0,08 bar
SMF	0,09 bar



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