

Compfil™ UF

High Performance Depth Filter

Compfil™ UF filters are high performance depth filters, designed to remove water and oil aerosols as well as particulates from compress air and gas streams.

Thanks to the unique combination of binder-free, non-woven ultra fibre filter media and pleating technology, these high performance filters can achieve a 70% reduction in energy costs with improved filtration, when compared with a conventional element.

The ultra fibre material is naturally oleophobic. Oil and water are actively rejected, minimising pressure drop and operating costs.

Typical applications:

- Chemical and petrochemical industry
- Pharmaceutical industry
- Food and beverage
- Plastic industry
- Process filtration
- Instrument air



Features and Benefits

- **Binder free, thermally welded ultra filter media**
Low differential pressure and high particle load.
- **Oleophobic filter media**
Rejects oil and water.
- **Pleated media filter**
450% more filtration surface, higher particle load capacity and low air flow speed.
- **Support sleeves of stainless steel (316L)**
Extremely large free flow, secure and long operation.
- **70% less energy costs**
Due to the combination of binderfree, non-woven ultra fibre filter media and pleating technology.



Specifications

Materials of Manufacture

Filter media:	Binder-free ultra fibres of borosilicate.
Support sleeves inner/outer:	Stainless steel 304.
Pre-and after filter medium:	Pleated Cerex.
Outer foam sock:	Blue polyurethane foam sock up to 80°C (176°F) HT/CR sock up to 120°C (248°F) HT/NX sock up to 180°C (356°F).
Bonding:	Polyurethane.
End caps:	Aluminium.
O-rings:	Perbunan®, silicone free and free from parting compounds.

Maximum Differential Pressure

5bar at 20°C (72.5psi at 68°F), independent from operation pressure.

Start-up Differential Pressure

UF-F:	0.04bar (0.58psi).
UF-M:	0.08bar (1.16psi).
UF-S:	0.09bar (1.31psi).

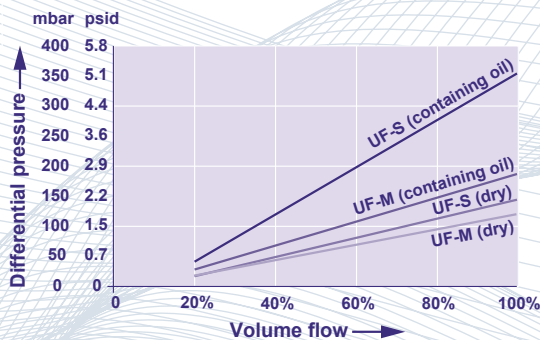
Retention rate at a particle size of 0,01µm

UF-F:	99,999%.
UF-M:	99,99998%.
UF-S:	99,99999%.

Type	Residual oil content at		Oil retention rate acc. to ISO 12500-1
	3 mg/m³	10 mg/m³	
UF-F	<0.1 ppm	0,2 ppm	99.6%
UF-M	<0.03 ppm	0,03 ppm	99.7%

Element	Correction factor
02/05	0.04
03/05	0.08
03/10	0.12
04/10	0.17
04/20	0.19
05/20	0.25
05/25	0.32
07/25	0.47
07/30	0.68
10/30	1.0
15/30	1.55
20/30	2.10
30/30	3.28
30/50	5.90

Flow Rates



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