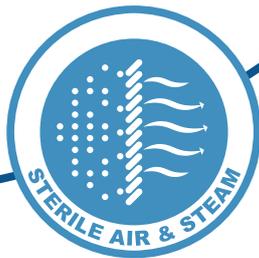


  
**ULTRAFILTER**  
THE FILTRATION MANUFACTURER  
THE SCANDINAVIAN FILTRATION PARTNER



**ULTRAFILTER NANOFILTERS FF/MF/SMF**

**WWW.ULTRA-FILTER.COM**

# HIGH PERFORMANCE FILTERS

FF / MF / SMF



## Technical Data

-  Borosilicate, cerex and polyurethane
-  0,01 µm
-  99%
-  80°C (available up to 180°C)
-  Max. 5 bar @ 20°C
-  Aluminium end caps
-  Perbunan Gaskets

## Features & Benefits

Low differential pressure entire lifetime

Ultrafilter offers filter elements for most compressed air applications. These high quality filter elements are made with the finest pleating technology and aluminum endcaps. Unique to the industry with their extremely low differential pressure.

The FF/MF/SMF filter elements are made with a pleated oleophobic filter media that rejects oil and water.

Advanced pleating techniques mixed with nano technology, makes our "High Performance" filters much more effective than a standard filter, as the pleating provides a 450% larger filtration surface per square inch. The special pleating also secures a much larger particle retention capacity.

The benefits of using this type of filter is low differential pressure, up to 70% lower energy costs and improved efficiency of filtration.

## Advantages and benefits

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

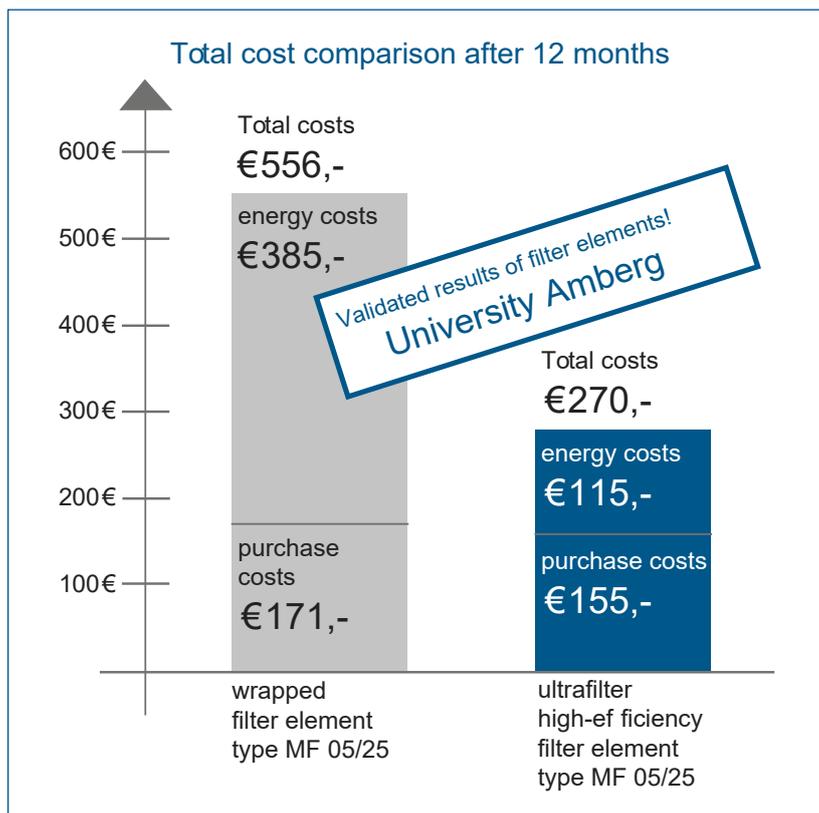
## Applications

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

Type	Filtration rate	Effectivity	Residual oil content	Start-up differential pressure
FF	0,01 µm	99,999%	0,1 mg/m <sup>3</sup>	0,04 bar
MF	0,01 µm	99,99998%	0,03 mg/m <sup>3</sup>	0,08 bar
SMF	0,01 µm	99,99999%	<0,01 mg/m <sup>3</sup>	0,09 bar

# HIGH PERFORMANCE FILTERS

FF / MF / SMF



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% larger filtration surface, high particle load capacity, low air flow speed
Support sleeves of stainless steel (316L)	Extremely large free flow, secure and long operation

Materials	
Outer foam sock	<ul style="list-style-type: none"> <li>Blue polyurethane foam sock up to 80°C</li> <li>HT/CR sock up to 120°C</li> <li>HT/NX sock up to 180°C</li> </ul>
Support sleeved inner/outer	Stainless steel 1.4301
Pre- and after filter medium	Plated cerex
Filter medium	Binderfree nanofibres of borosilicate
Bonding	Polyurethane
End caps	Aluminium
O-rings	Perbunan, silicone free and free of parting compounds

# ALTERNATIVE ELEMENTS



The high performance series is available with end caps fitting filter housings from other manufactures. This way you can have Ultrafilter quality in your existing filter housing.

The table below shows which filter types are used for replacements.

	Prefilter	Prefilter	Microfilter	Submicrofilter	Activated Carbon
<b>ISO Class (8573-2010)</b>	<b>6</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>1*</b>
<b>Ultrafilter</b>	<b>PE</b>	<b>FF</b>	<b>MF</b>	<b>SMF</b>	<b>AK</b>
Domnick Hunter Evolution	-	AR, AO	AAR	AA	ACS
Domnick Hunter Oil-X	-	AO	AA	AX	AC, ACS
Hiross	Q	P	S	-	C
Atlas Copco	-	DD	PD	-	QD
Zander	V	Z	Y	X	A
Hankison	E9	E7	E5	E3	E1
Donaldson	PE	FF	MF	SMF	AK
Deltech	-	DFD	PFD	HFD	CFD
Walker	X25, X5	X1	XA	-	AC
CompAir	-	B+E	C+F	-	D
Ceccato	-	P	G	C	V
Kaeser	E-B	E-C	E-E	E-F	E-G
Stenhøj	PE	FF	MF	SMF	AK
ALUP	-	P	G	C	V
ALMiG	AFP	AFM	AFS	-	AFC
Pneumatech	-	P	G	C	V
Chicago Pneumatic	-	P	G	C	V
BEKO	G	F	S	-	A
MARK	-	P	G	C	V
BOGE	V	-	FP	-	A

Type	Particle Filtration rate	Efficiency	Residual oil content	Max. differential pressure
PE	25 µm	99%	N/A	2 bar at 20°C
SB	25 µm	99%	N/A	2 bar at 20°C
FF	0,01 µm	99,999%	0,1 mg/m <sup>3</sup>	5 bar at 20°C
MF	0,01 µm	99,99998%	0,03 mg/m <sup>3</sup>	5 bar at 20°C
SMF	0,01 µm	99,99999%	<0,01 mg/m <sup>3</sup>	5 bar at 20°C
AK	Activated Carbon	N/A	0,003 mg/m <sup>3</sup>	2 bar at 20°C



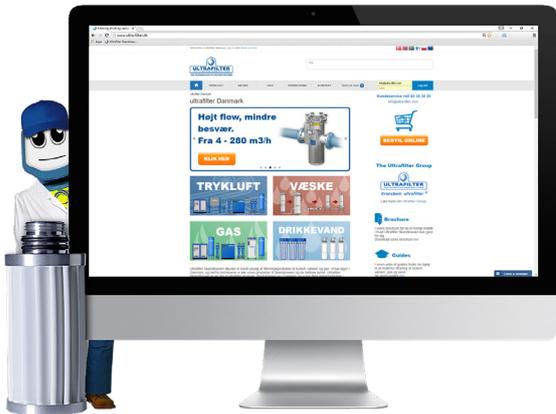
# ULTRAFILTER

THE FILTRATION MANUFACTURER

THE SCANDINAVIAN FILTRATION PARTNER

## SHOP ONLINE

At [www.ultra-filter.com](http://www.ultra-filter.com) you will find a wide selection of filtration products ready for you to order.



[www.ultra-filter.com](http://www.ultra-filter.com)

## ABOUT US

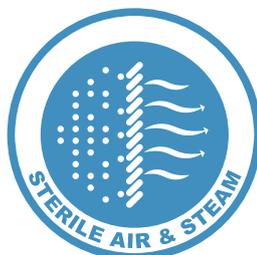
Ultrafilter Scandinavia offers a wide selection of filtration products for compressed air, liquids and gas. We have stock in Denmark and from here we distribute all of our products to Scandinavia and the Baltic countries.

Ultrafilter Scandinavia is a part of the Ultrafilter group. Our production facility is in Germany and we have several subsidiaries in Europe and the United States.

You can buy our products on local websites. Information about our products as well as brochures and manuals can be found on our website ([www.ultra-filter.com](http://www.ultra-filter.com)).

We can adapt all of our filtration products to your needs, and we offer visits from our consultants in order to find the right solution for you. We also offer on going service on our products once they are installed.

## FILTRATION OF



# ULTRAFILTER SKANDINAVIEN APS

Sunekær 1  
5471 Søndersø  
Denmark

+45 82 30 30 20  
[info@ultra-filter.com](mailto:info@ultra-filter.com)  
[www.ultra-filter.com](http://www.ultra-filter.com)