

## HT/NX | NP-MF & NP-SMF



### Specifications

Filtration rating, µm:	0,01µm
Max. Temp. C°:	180°C
Diff. Pressure:	Max 5 bar @ 20°C
Efficiency, %:	99,99998-99,99999
Connection:	UF as standard
Material:	Borosilicate glass fibre. SS core
O-ring:	Perbunan gasket
End caps:	Stainless steel

### Applications

- Biomethane
- Various gasses
- Ammonia
- Nitrogen filtration

All our standard coalescing filters are available as pre-filters for our stainless steel filter housings for critical installations. The filters are used to separate oil and particles from the gas

Thanks to the unique combination of binder free, non-woven nanofiber filter media and our special pleating techniques, we can achieve a reduction of energy costs up to 70%, at a higher than regular efficiency.

The new nanofiber material from Nordic Filtration is oleo phobic, which means that the oil and water particles are actively rejected in order to keep a low differential pressure drop, and consequently the operating costs are reduced to a minimum compared with a conventional filter element.

End caps are made of stainless steel.

Type	Filtration rate	Efficiency	Residual oil content	Oil retention rate acc. ISO 12500-1	Start-up differential pressure	Max. differential pressure
P-MF	0,01 µm	99,99998%	0,03 mg/m <sup>3</sup>	99,7%	0,08 bar	5 bar at 20°C
P-SMF	0,01 µm	99,99999%	<0,01 mg/m <sup>3</sup>	99,8%	0,09 bar	5 bar at 20°C

Element Dimensions (mm)						
Element size	A	B	Ø C (mm)	Ø C (")	Ø D	Filtration Surface
03/10	76	12	31	3/4"	42	59,28 cm <sup>2</sup>
04/10	104	12	31	3/4"	42	83,98 cm <sup>2</sup>
04/20	104	14	38,5	1"	52	93,86 cm <sup>2</sup>
05/20	104	14	38,5	1"	52	93,86 cm <sup>2</sup>
05/25	128	14	38,5	1"	62	158 cm <sup>2</sup>
07/25	180	14	38,5	1"	62	232 cm <sup>2</sup>
05/30	128	16	63	2"	86	227 cm <sup>2</sup>
07/30	180	16	63	2"	86	336 cm <sup>2</sup>
10/30	254	16	63	2"	86	494 cm <sup>2</sup>
15/30	381	16	63	2"	86	766 cm <sup>2</sup>
20/30	508	16	63	2"	86	1037 cm <sup>2</sup>
30/30	762	16	63	2"	86	1620 cm <sup>2</sup>
30/50	762	16	91	3"	140	2910 cm <sup>2</sup>

Materials	
Support sleeves inner/outer	Stainless steel 1.4301
Pre- and after filter medium	Pleated cerex
Outer foam sock	HT/NX sock up to 180°C
Filter medium	Binderfree nanofibres
Bonding	Polyurethane
End Caps	Stainless steel
O-rings	Perbunan, silicone free and free of parting compounds

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

