



## Trimicron filter element N1TM, N3TM

### Description

The filter elements of the Trimicron series have been specially developed for the combined filtration of:

- Finest solid particle contamination
- Water
- Oil ageing products

from hydraulic and lubrication oils in the bypass flow.

They are a combination of pleated and spun spray depth filter elements. The filter layers used are produced using melt-blown technology (synthetic fibres).

### Applications

- Offline filtration in lubrication systems (e.g. in wind turbines)
- Offline filtration in hydraulic systems
- Transmission and hydraulic test rigs

### Special features

- Excellent filtration performance ( $\beta_{5(c)} > 1000$ )
- Low initial differential pressure
- High contamination retention capacity
- Fine particle contamination, water and oil ageing products removed by depth filter material
- Broad range of fluid compatibility
- Simple element change

### Technical specifications

General specifications		
	N1	N3
Contamination retention capacity ISOMTD at $\Delta P = 2.5$ bar	$\approx 410$ g	$\approx 2500$ g
Water retention capacity	$\approx 680$ ml	$\approx 2.2$ l
Beta value $\beta_{5(c)} @ 2$ bar	$> 1,000$	$> 1,000$
Filtration rating	$3 \mu m$	
Differential pressure at starting point	$< 0.1$ bar	
Permitted fluid temperature range	$-10-80$ °C	
Storage temperature range	$5-40$ °C	

## Order details

**N - 1 - TM - 003 / - F**

### Nominal flow rate

1 = nominal flow rate 1 l/min =  
3 nominal flow rate 3 l/min

### Element type

TM = Trimicron

### Filtration rating

003 = 3  $\mu$ m

### Seal material

N = NBR

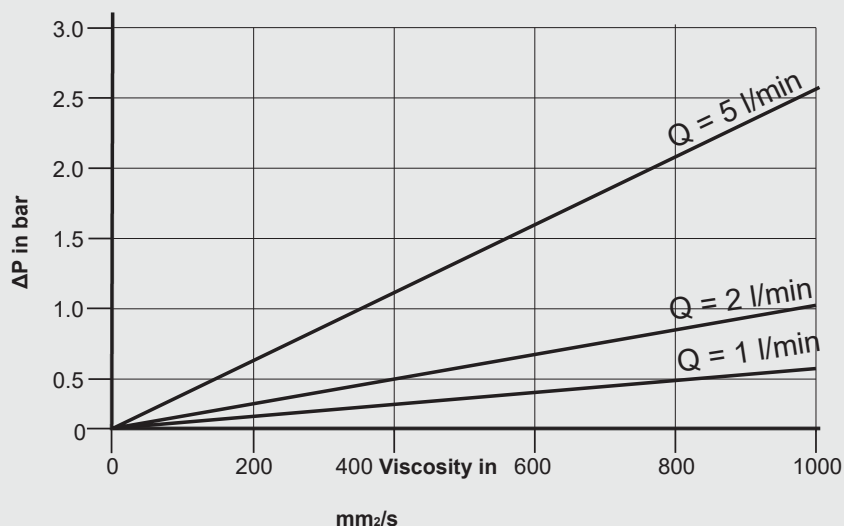
F = FKM (FPM, Viton®)

## Note

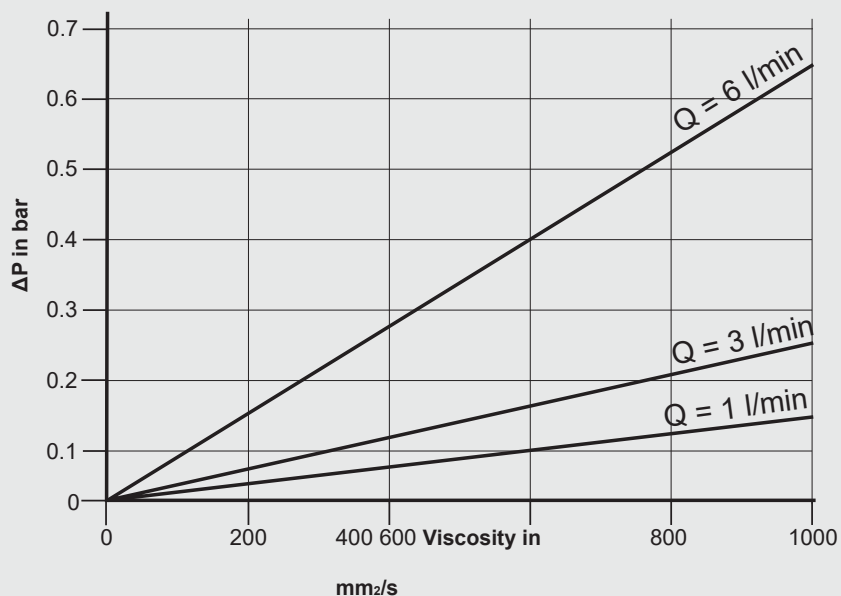
The information in this brochure relates to the operating conditions and applications described.

For applications and operating conditions not described, please contact the relevant technical department. Subject to technical modifications.

## N1TM element differential pressure



## N3TM element differential pressure



HYDAC FILTER SYSTEMS GMBH  
Industriegebiet