

# ultrafilter Prefilter PE



## Prefilter PE from ultrafilter

ultrafilter prefilter PE are designed for particle retention out of compressed air and gases.

ultrafilter PE are made of a sintered polyethylene filter media and guarantee absolute retention rates.

By using various filtration mechanism - such as direct impact and sieve effect - contaminants down to the size of 25  $\mu$  are being retained.

## Features and Benefits

- pure highly molecular polyethylene filter media
- high dirt holding capacity and low differential pressure
- guaranteed retention rate

homogenous pore structure for optimised regeneration capabilities

## Applications

- machinery industry
- chemical and petrochemical industry
- pharmaceutical industry
- food & beverage industry
- plastics industry
- Prozessindustrie
- instrumentation and control air
- clima control

# ultrafilter Prefilter PE

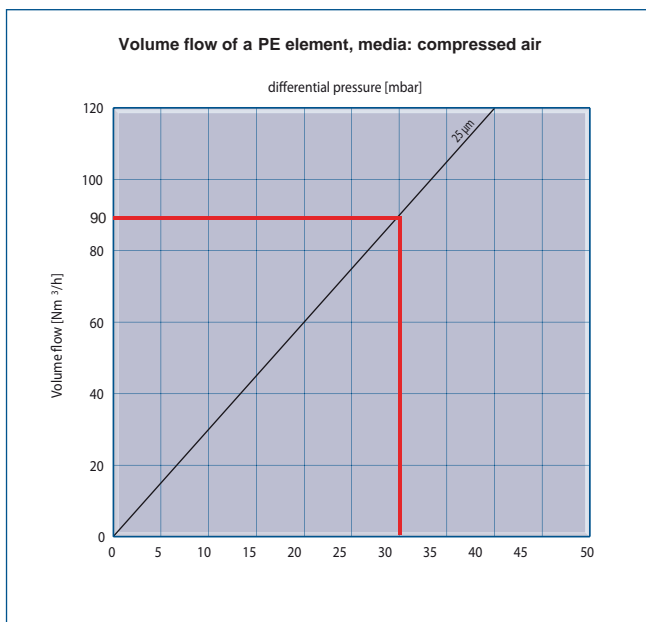
Features:	Benefits:
Temperature range from -20°C to 80°C	broad application spectrum
High void volume with a porosity grade of 45 %	High dirt holding capacity and low differential pressure
Filter surface :35 cm <sup>2</sup> (02/05) to 3100 cm <sup>2</sup> (30/50)	Appropriate for any application and flow
Removal of contaminants down to 25 µ	Guaranteed retention rate

Retention rate
100 % in gases

Max. differential pressure
2 bar at 20 °C, independant from operating pressure

Initial differential pressure at nominal flow
0,03 bar

Materials	
Filter media	pure, highly molecular polyethylene
Bonding	polyurethane
End caps	aluminium
2 O-rings	perbunan. free from silicone and parting compounds (standard)



element type	correction factor filter surface KF
02/05	0,08
03/05	0,10
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	3,20
30/50	5,65

Technical alterations reserved.



## ultrafilter gmbh

Otto-Hahn-Str. 1 • 40721 Hilden • Germany  
 Tel: +49 (0) 21 03.33 36-0 • Fax +49(0)21 03.33 36-36  
 e-Mail: info@ultra-filter.de • [www.ultra-filter.de](http://www.ultra-filter.de)