

Purtex* Plus

FACT SHEET

Melt blown depth filter for exceptional value in general industrial applications



Features and Benefits

- Exceptional value for general applications
- Lower pressure drop and higher dirt-holding capacity
- Fewer change-outs and longer life
- Pure polypropylene construction

Applications

- General industrial use
- Potable water filtration
- Commercial and residential filtration
- Chemical filtration
- Beverage manufacturing

Specifications

Table 1: Specifications and performance information

Ratings	1, 3, 5, 10 microns (nominal)	
Inner Diameter (nominal)	1 in (2.5 cm)	
Outer Diameter	2.5 in (6.4 cm)	
Lengths		
	10 in (25.4 cm)	30 in (76.2 cm)
	20 in (50.8 cm)	40 in (101.6 cm)
<i>Longer lengths up to 70 in may be available upon request</i>		
Materials of Construction		
	Filter Media	Polypropylene
	Adapters	Polypropylene

Performance Conditions

Maximum pressure drop:

35 psid (2.4 bar) @ 77°F (25°C)

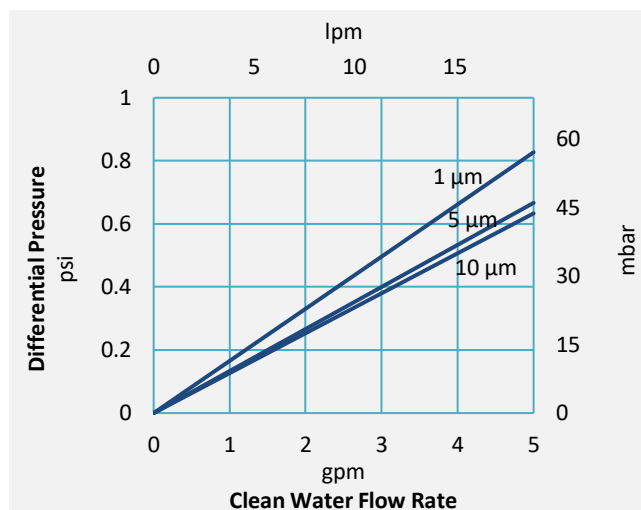
Recommended change-out pressure drop:

25 psid (1.4 bar) @ 77°F (25°C)

Efficiency Information

Table 2: Removal efficiency based on a modified ASTM 795 test procedure

Micron Rating	Removal rating (µm) at various efficiencies		
	90.0%	99.0%	99.9%
1 µm	Efficiency of nominal filters varies by application. See note for information on nominal filter efficiency (2)		
3 µm			
5 µm			
10 µm			



Graph 1: Purtex Plus clean water flow rate based on a 10 in length filter

Quality

Purtex Plus filters are manufactured under a quality management system that has been certified to meet ISO 9001 standards. Each filter is assigned a lot code to ensure traceability of the data and materials used in the manufacturing process.

Table 3: Ordering information

1		2	3	4	5
Type	Micron Rating (nominal)	Cartridge Length	End #1 Adapter	End #2 Adapter	Elastomer Material
PXP.Zs	01 = 1 µm	10 in (25.4 cm)	 X = Standard Plain End (no gasket)	 K = Self Seal Spring	Not available
	03 = 3 µm	20 in (50.8 cm)			
	05 = 5 µm	30 in (76.2 cm)			
	10 = 10 µm	40 in (101.6 cm)			
		Longer lengths up to 70 in may be available upon request			

¹Absolute-rated filters have been designed and tested to reject at least 99% of particles of the listed micron size. Nominal-rated filters have a wider distribution of pore sizes and therefore a wider distribution of rejected particle sizes. The nominal rating is primarily used to compare efficiencies across a filter family and between filter manufacturers. Efficiency is dependent on particle shape, size, composition, application, and testing protocol.

Certifications

- U.S. FDA 21CFR 177.1520 food contact requirements
- Article 3 of the EU Framework Regulation No. 1935/2004/EC safety requirements
- EU Plastics Regulation No. 10/2011 (may be used as intended in all compliant EU Member states)
- USP class VI-121°C Plastics criteria
- ISO 9001 criteria
- NSF 61 criteria

Veolia filter cartridges are designed and manufactured for resistance to a wide range of chemical solutions. Conditions will vary with each application and users should carefully verify chemical compatibility. Please contact your Veolia representative for more information.

Ordering Information

Replace the numbers with your desired values from each column. Columns 3 and 4 are optional depending on the desired configuration.

Example: PXP.Zs 05-20-XK

