



**PreFlow™ Filter Cartridges**

### **Description**

Pall PreFlow filters have been expressly designed to bring a significant improvement to prefiltration technology. The filter media utilized is based on our expertise in manufacturing rugged resin-bonded glass fiber composites. These sanitary-style filter cartridges are manufactured with pleated high-area construction for long service life. PreFlow filters are designed to reduce costs and are especially suited for biological prefiltration applications, including serum, vaccines, tissue culture media, and protein solutions.

### **Features and Benefits**

- Unparalleled protection of final membrane filters Fixed pore construction
- No unloading or media migration
- High-capacity for economy
- High-strength design
- A choice of particulate removal efficiencies
- Autoclavable and steamable
- Manufactured for use in conformance with cGMP
- ISO 9000 Certified Quality System

*Note: These filters are also available in Kleenpak Nova capsule format.*

### **Quality and Bio-Safety**

#### **Biological Tests**

- Meets USP Biological Reactivity Test, in vivo, for Class VI-121 ° C Plastics

#### **Effluent Quality Tests\***

- Non-Pyrogenic per USP Bacterial Endotoxins (< 0.25 EU/mL)
- Meets Total Organic Carbon and Water Conductivity per USP Purified Water; pH per Sterile Purified Water

\* Per lot soak or rinse-up flush aliquots.

### **Specifications**

### **Materials of Construction**

Medium	Resin-bonded glass fiber
Support and Drainage	Polyester (nonwoven)
Core, Cage and End Caps	Polypropylene
Adapters	Polypropylene with encapsulated reinforcing ring
O-ring	Silicone elastomer

### Removal Ratings (Liquid)

Grade UUA	0.2 $\mu\text{m}$ (nominal)
Grade UB	0.45 $\mu\text{m}$ (nominal)

### Nominal Filter Area per 254 mm (10 in.) Element

Grade UUA	0.57 $\text{m}^2$ (6.2 $\text{ft}^2$ )
Grade UB	0.65 $\text{m}^2$ (7.0 $\text{ft}^2$ )

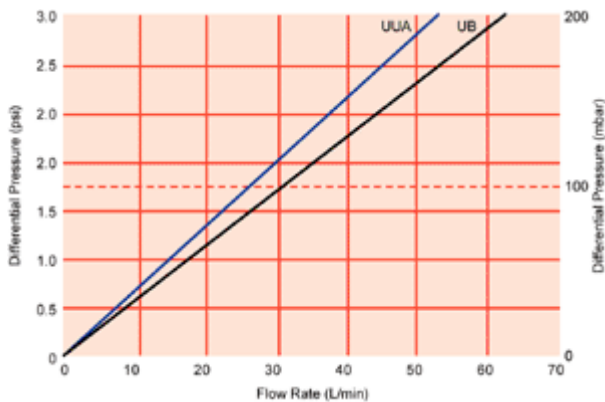
### Nominal Dimensions

Lengths	254 mm (10 in.), 508 mm (20 in.), 762 mm (30 in.), 1016 mm (40 in.)
Diameter	70 mm (2.75 in.)

### Extractables

Grade UUA	Typically < 100 mg per 254 mm (10 in.) element
Grade UB	Typically < 150 mg per 254 mm (10 in.) element

### Typical Flow Rates<sup>1</sup>



<sup>1</sup> Typical initial clean media  $\Delta P$  254 mm (10 in.) element; water at 20 °C; viscosity 1 cP. For assistance in filter assembly, sizing and housing selection, contact your local Pall representative.

## Operating Conditions

Maximum Operating Pressure and Temperature<sup>2</sup>

5.0 bar<sup>2</sup> (72 psid) to 25 °C

<sup>2</sup> Using compatible fluids. Compatible fluids are fluids which do not soften, swell, attack or adversely affect the filter or materials of construction

## Steam and Autoclaving Sterilization<sup>3</sup>

Recommended Exposure

3 x 1-hour @ 125 °C

<sup>3</sup> Laboratory tests establish resistance. Filters should be qualified in actual use. Contact Pall for recommended procedures.

## Ordering Information

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Code	Nominal Length	Code	Removal Rating	Cartridge Style <sup>*</sup>	Code	Filter Grade	Code	Gasket Option
1	10 in. (254 mm)	UUA	0.2 $\mu\text{m}$	7 Double 226 O-ring with bayonet lock and fin end  <small>*Alternate AB adapter codes available</small>	P	Code outside US	H4	Silicone  <small>Other materials available on request</small>
2	20 in. (508 mm)	UB	0.45 $\mu\text{m}$		Omit	Code in US only		
3	30 in. (762 mm)							
4	40 in. (1016 mm)							

Note: Contact Pall for assistance with part numbers.

## Contact Information

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