Profile Filter Cartridges with Ultipleat Construction **Advanced Technology, Unsurpassed Performance**























Profile Filters with Ultipleat construction are an upgrade from pleated depth filter technology pioneered by Pall, and incorporate a revolutionary new crescent-shaped pleat geometry which enables a 30% increase in effective filtration area.

The crescent-shaped pleat construction, which is unique to Pall, combined with Profile depth filter medium provides a very low clean pressure drop and an unsurpassed service life.

Process Improvements

- Reduced operating costs and downtime resulting from the crescent-shaped pleat construction allows optimization of filter area, giving unsurpassed service life — thus reducing the frequency of changeout and providing substantial savings in the costs of maintenance and consumables
- Consistent and reliable performance is a benefit of the absolute and 100% efficient removal rating along with the fixed pore structure that prevents both unloading of contaminants and media migration
- Excellent chemical compatibility and ease of disposal due to the all-polypropylene construction which leads to lower filter inventories and allows complete incineration* of the spent cartridge.

Note: In the Code 7 style there is a metal insert in the adaptei

* Consult local and national regulations

Note: These filters are also available in Kleenpak Nova cansule format

Applications

Profile Filters with Ultipleat construction have advantages in the filtration of viscous liquids or for high flow-rates when there may be significant sizing and economic benefits.

Quality and Bio-Safety

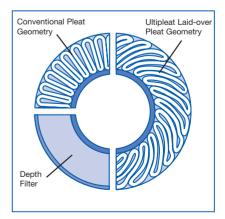
Biological Tests

 Meets USP Biological Reactivity, In Vivo, for Class VI-121 °C plastics

Effluent Quality Tests*

- Meets Cleanliness per USP Particulates in Injectables
- Non-Fiber-Releasing
- Non-Pyrogenic per USP Bacterial Endotoxins (< 0.25 EU/mL)
- Meets Total Organic Carbon and Water Conductivity per USP Purified Water, pH per USP Sterile Purified Water
- * Per lot sample soak or rinse-up flush aliquots.

Diagrammatic Comparison of Various Filter Constructions



Profile Filter Cartridges with Ultipleat Construction

Technical Specifications

Operating Conditions in Compatible⁽¹⁾ Liquids

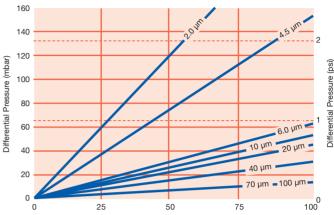
Maximum Differential	4.1 bar	3.4 bar	2.0 bar	1.0 bar
Pressure	(60 psi)	(49 psi)	(29 psi)	(15 psi)
Operating	30 °C	50 °C	70 °C	80 °C
Temperatures	(86 °F)	(122 °F)	(158 °F)	(176 °F)

⁽¹⁾ Fluids which do not soften, swell, or adversely affect the filter or materials of

Steam-sterilization

Up to 140 °C (284 °F) for AB style filter elements

Typical Liquid Flow Rates(2)



Flow Rate (L/min) - 10 in. (254 mm) nominal length cartridge

Ordering Information

PUY Style Double open ended 63mm (2.5in) diameter cartridge with gaskets both end. Cartridge sealed with tie rod and seal nut.

PUY Style:

AB Style:

AB

PUY

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Code	Nominal Length	
1	10 in. (254 mm)	
2	20 in. (508 mm)	
3	30 in. (762 mm)	
4	40 in. (1016 mm)	

Code	Removal Rating ⁽³⁾
020	2.0 µm (extrapolated value)
045	4.5 µm
060	6.0 µm
100	10 μm
200	20 μm
400	40 μm
700	70 μm
1000	100 μm
(2) A.L. L. L.	

Absolute rating in this publication means the value in microns at which the modified OSU-F2 Test gives a Beta Value of ≥ 5000 (> 99.98% removal efficiency).



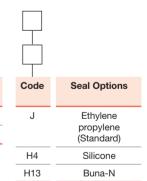
Double 226 O-ring with bayonet lock and fin end



P Pharmaceutical*
Omit General Use
* Pall pharmaceutical-grade filters

Filter

Pali pharmaceutical-grade niteriare designed for use in conformance with CGMP in Manufacturing, Processing, Packing or Holding of Drugs (21CFR210) and CGMP for finished Pharmaceuticals (21CFR211.72) including batch release certificate and full traceability.



Typical initial clean media ΔP 10 in. (254 mm) element, water at 20 °C (68 °F), viscosity 1 cP. For assistance with filter assembly, sizing and housing selection, contact your local Pall representative.