

Ultipleat High Flow filter elements are designed for high particle removal efficiency in high flow rate food and beverage applications.

Description

The Ultipleat High Flow filter elements utilize Profile UP media with unique, laid-over pleat geometry. The Ultipleat High Flow element is a large diameter, single open ended, pleated cartridge with an inside to outside flow pattern and a core-free construction.

The filter's unique, laid-over pleat geometry, combined with its large diameter, means fewer elements are required for a given flow rate than standard cartridges diameter. Filter vessels are correspondingly smaller, resulting in lower capital and installation costs, as well as reduced operating costs.

Features and Benefits

Features	Benefits
Fixed fiber matrix with no adhesives or surfactants	<ul style="list-style-type: none"> • Consistent filtrate quality • Highly stable structure • Higher product yields • Process reliability
Pleated (laid-over pleat geometry) media in a large diameter cartridge format	<ul style="list-style-type: none"> • Lower capital and installation costs* • Reduced installation footprint* • 30% lower operating costs* • Longer service life • 10% water savings*
Inside to outside flow configuration	<ul style="list-style-type: none"> • Protects filtrate from recontamination by trapping particulates inside the cartridge

*Typical compared to standard cartridges used in test comparison.

Quality

- Cartridges produced in a controlled environment
- Manufactured according to ISO 9001:2008 certified Quality Management System

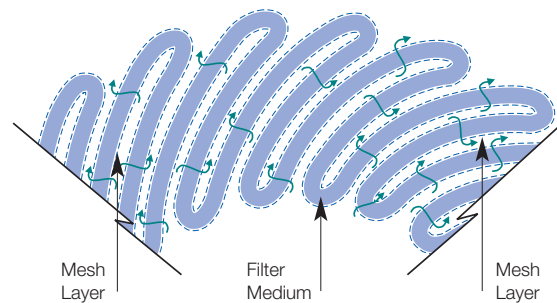
Food Contact Compliance

Please refer to the Pall website www.pall.com/foodandbev for a Declaration of Compliance to specific National Legislation and/or Regional Regulatory requirements for food contact use.

Ultipleat® High Flow Filter Elements with Profile® UP media for particle removal at elevated flow rates



Ultipleat High Flow Elements



Ultipleat filter element construction, showing uniform flow distribution.

Materials of Construction

Filter Medium	Polypropylene
Support Mesh and Outer Wrap	Polypropylene
End Caps and Handle	Polypropylene (10% glass fiber reinforced)
O-ring Seal	Ethylene Propylene Rubber

Technical Information

Operating Characteristics in Compatible Fluids¹

Maximum Differential Pressure	Max. Operating Temperature ²
3.45 bard (50 psid) (forward pressure)	82 °C (180 °F)

¹Compatible fluids are defined as those which do not swell, soften or attack any of the filter components.

²Not recommended where the temperature is cycled more than 10 °C (50 °F).

Ordering Information

This information is a guide to the part number structure and possible options. For availability of specific options and housing details, please contact Pall.

Example Part Number: **HFU640UY020JUW**

See bold reference codes in tables.

Element Part Number: **HFU 6** Table 1 **JUW** Table 2

Table 1: Nominal Length

Code	Description
40	1016 mm (40")
60	1524 mm (60")

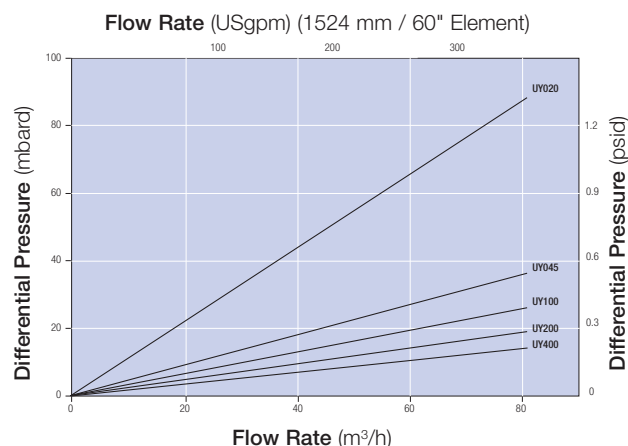
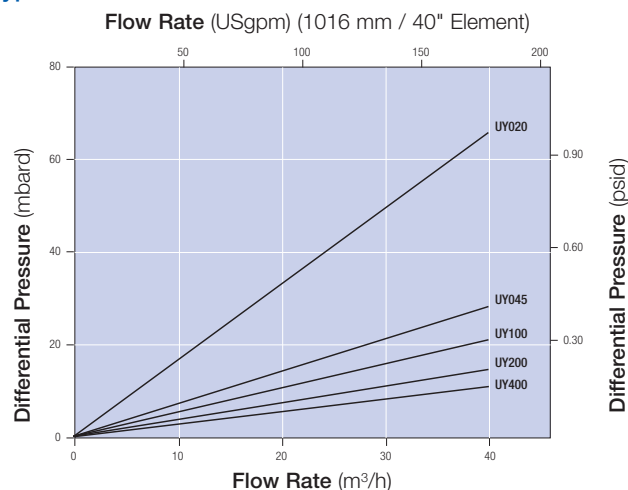
Table 2: Liquid Removal Rating³

Code	Rating (µm) at 99.98% Efficiency (β-5000)	Rating (µm) at 99% Efficiency (β-100)
UY020		2.0
UY045	4.5	2.5
UY100	10	6.5
UY200	>25	17.9
UY400	50*	

³The UY400 grade was qualified by maximum spherical particle retention test.

Recommended for fluid applications with inside to out flow rates of >20 m³/h (100 USgpm). Outside to in flow is not recommended. Please contact your Pall representative for product recommendations more suitable to lower flow rates.

Typical Flow Rates⁴



⁴Typical initial clean media differential pressure (Δp) per 1016 mm (40") and 1524 mm (60") cartridge for water at 20 °C (68 °F); viscosity 1 centipoise. For assistance in filter assembly sizing and housing selection, especially for fluids with a viscosity > 1 centipoise, contact your Pall Representative.



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Please contact Pall Corporation to verify that the product conforms to your national legislation and/or regional regulatory requirements for water and food contact use.

Because of technological developments related to the products, systems, and/or services described herein, the data and procedures are subject to change without notice. Please consult your Pall representative or visit www.pall.com to verify that this information remains valid. Products in this document may be covered by one or more of the following patent numbers: EP 667,800; EP 982,061; EP 1,380,331; US 5,543,047; US 5,690,765; US 5,725,784; US 6,113,784; US 7,083,564; US 7,318,800.

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