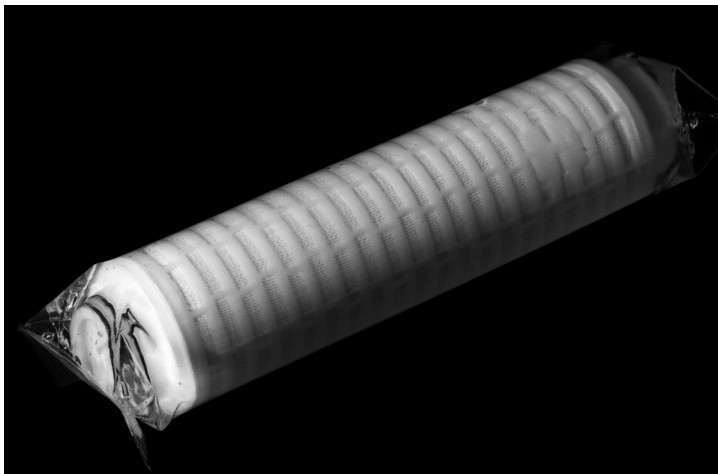




UltiKleen™-S Filter



Description

Pall's UltiKleen-S filter is an advanced all-fluoropolymer cartridge that is highly recommended for critical chemical filtration. We guarantee extractable levels and particle cleanliness levels for this filter.

- Guaranteed extractable levels (< 25 ppb total in a 5% HCl extraction of 1.5 liters for 24 hours.)
- Guaranteed out of package particle cleanliness (<10 particles / mL >0.1 µm) based on ultra-high-purity DI Water
- Product is provided prewet as a standard
- Excellent compatibility
- All fluoropolymer construction
- Three removal ratings available
- Optimized crescent shaped Ultipleat® filter design
- Very high flow rates
- Low differential pressure
- Manufactured in a cleanroom environment
- 100% integrity tested

Specifications

Materials

- Medium: PTFE
- Core, cage, and end caps: High purity PFA
- Support and drainage: PTFE
- Sealing methods: Melt seal patented process
- O-ring options: Teflon¹ encapsulated Viton¹, Kalrez¹, and Chemraz²

Removal Ratings

- 0.2 µm, 0.1 µm, 0.05 µm

Filter Areas

ABF

- 127 mm / 5 in: 0.55 m² / 5.92 ft²
- 254 mm / 10 in: 1.1 m² / 11.84 ft²
- 508 mm / 20 in: 2.2 m² / 23.5 ft²
- 762 mm / 30 in: 3.3 m² / 35.5 ft²

ABFG

- 254 mm / 10 in: 2.2 m² / 23.7 ft²
- 508 mm / 20 in: 4.4 m² / 47.4 ft²
- 762 mm / 30 in: 6.6 m² / 71.0 ft²

Configurations

- Nominal length: 127 mm / 5 in, 254 mm / 10 in, 508 mm / 20 in and 762 mm / 30 in
- Diameter: ABF: 70 mm / 2.75 in ABFG: 83 mm / 3.27 in
- O-ring size/end caps: Code 3: 222 double O-ring / flat end MR Code 25: 222 double O-ring / flat end designed to retrofit code 0 elements

Operating Conditions

- Maximum operating temperature: 170°C / 338°F
- Maximum forward differential pressure: 0.69 MPa @ 50°C / 100 psid @ 120°F; 0.41 MPa @ 51°– 110°C / 60 psid @ 121°– 230°F; 0.24 MPa @ 111°– 170°C / 35 psid @ 231°– 335°F
- Maximum reverse differential pressure: 0.34 MPa @ 20°C / 50 psid @ 68°F

Integrity Test Values³ (UltiKleen-S Filter)

Per 254 mm / 10 in segment

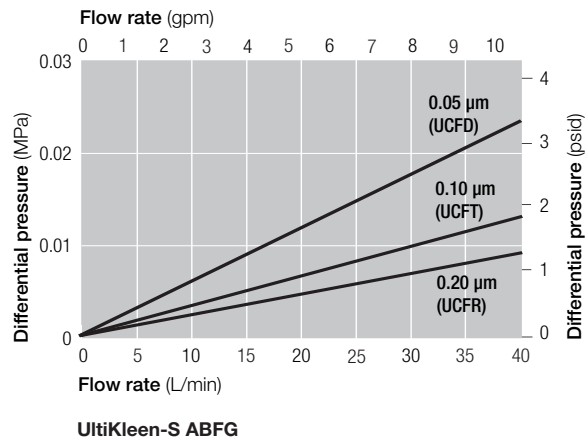
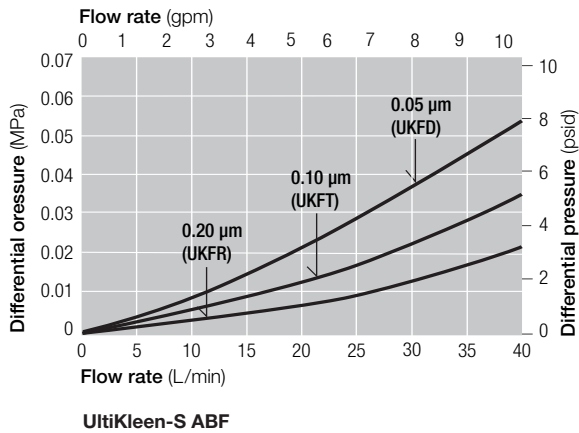
- 0.05 µm: < 26 mL / min @ 0.12 MPa / 17.5 psig
- 0.10 µm: < 39 mL / min @ 0.117 MPa / 17 psig
- 0.20 µm: < 34 mL/min @ 0.084 MPa / 12.2 psig

¹ Viton, Teflon and Kalrez are registered trademarks of E. I. du Pont de Nemours and Company

² Chemraz is a registered trademark of Greene Tweed and Co.

³ Test fluid used is 60/40, IPA:H₂O

Pressure Drop vs. Liquid Flow Rate⁴



⁴ For liquids with a viscosity differing from water, multiply the pressure drop by the viscosity in centipoise.

Part Numbers / Ordering Information

Part Number	Removal Rating (µm)	Nominal Length ⁵ (mm / in)	Configuration Code	O-Ring Material ⁶
ABF04UKFR3EH1K3	0.2	127 / 5	3	Teflon encapsulated Viton
ABF1UKFR3EH1K3	0.2	254 / 10	3	Teflon encapsulated Viton
MRF1UKFR25EH1K3	0.2	254 / 10	25	Teflon encapsulated Viton
ABF04UKFT3EH1K3	0.1	127 / 5	3	Teflon encapsulated Viton
ABF1UKFT3EH1K3	0.1	254 / 10	3	Teflon encapsulated Viton
ABF1UKFT3EH11K3	0.1	254 / 10	3	Kalrez
ABF1UKFT3EH12K3	0.1	254 / 10	3	Chemraz
MRF1UKFT25EH1K3	0.1	254 / 10	25	Teflon encapsulated Viton
ABF04UKFD3EH1K3	0.05	127 / 5	3	Teflon encapsulated Viton
ABF1UKFD3EH1K3	0.05	254 / 10	3	Teflon encapsulated Viton
ABF1UKFD3EH11K3	0.05	254 / 10	3	Kalrez
ABF1UKFD3EH12K3	0.05	254 / 10	3	Chemraz
MRF1UKFD25EH1K3	0.05	254 / 10	25	Teflon encapsulated Viton
ABFG1UCFRL3EH1K3 ⁷	0.2	225 / 10	3	Teflon encapsulated Viton
ABFG1UCFTL3EH1K3 ⁷	0.1	225 / 10	3	Teflon encapsulated Viton
ABFG1UCFDL3EH1K3 ⁷	0.05	225 / 10	3	Teflon encapsulated Viton

⁵ The above filter configurations are also available in 508 mm / 20 in, 762 mm / 30 in and 1016 mm / 40 in lengths.

These can be ordered by changing the fourth digit in the part number to a 2, 3 or 4, respectively.

⁶ Other O-ring materials are available.

⁷ For a metal ion extractables option, add K7.



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