

## Ultipleat® P-Nylon Filter



### Description

The Ultipleat P-Nylon filter is specifically recommended for bulk filtration of photoresists and chemicals which are compatible with Nylon 6,6 and high density polyethylene (HDPE). In addition, it utilizes the latest advance in Pall filtration technology; the crescent shaped Ultipleat filter configuration.

- Wide range of configurations
- High flow rates
- Integrity testable
- Low extractables
- Optimized design
- Manufactured in a cleanroom environment
- 100% integrity tested

### Specifications

#### Materials

- Medium: Nylon 6,6
- Core, cage, and end caps: High density polyethylene (HDPE)
- Support and drainage: High density polyethylene (HDPE)
- O-ring options: Viton<sup>1</sup> and Teflon<sup>1</sup> encapsulated Viton

#### Removal Ratings

- 0.1 µm, 0.04 µm

#### Filter Areas

- 10" / 254 mm: 9.5 ft<sup>2</sup> / 0.88 m<sup>2</sup>
- 20" / 508 mm: 19.0 ft<sup>2</sup> / 1.70 m<sup>2</sup>
- 30" / 762 mm: 28.5 ft<sup>2</sup> / 2.6 m<sup>2</sup>
- 40" / 1016 mm: 38.0 ft<sup>2</sup> / 3.5 m<sup>2</sup>

#### Configurations

- Nominal length: 10" / 254 mm, 20" / 508 mm, 30" / 762 mm, and 40" / 1016 mm
- Diameter: 2.75" / 70 mm
- O-ring size / end caps:
  - Code 3 (222 double O-ring / flat end)
  - Code 8 (222 double O-ring / finned end)
  - Code 7 (226 double O-ring bayonet lock / finned end)
  - MR Code 3 (222 double O-ring / flat end) designed to retrofit Code 0 elements

#### Operating Conditions

- Maximum Operating Temperature: 120°F / 50°C
- Maximum Forward / Reverse Differential Pressure: 40 psid @ 68°F / 2.7 bar @ 20°C

#### Integrity Test Values<sup>2</sup>

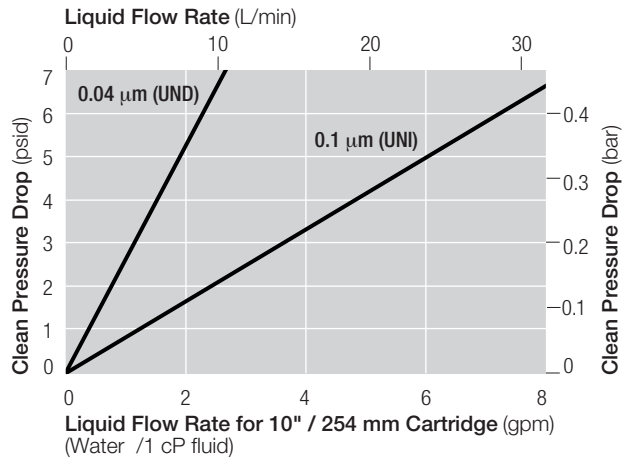
Per 10" / 254 mm segment

- 0.1 µm: < 20 mL / min @ 15 psig / 1.0 bar

<sup>1</sup> Viton and Teflon are trademarks of DuPont Dow Elastomers

<sup>2</sup> Test fluid used is 60:40, IPA:H<sub>2</sub>O.

## Pressure Drop vs. Liquid Flow Rate<sup>3</sup>



<sup>3</sup> For liquids with viscosity differing from water, multiply the pressure drop by the viscosity in centipoise.

## Part Numbers / Ordering Information

Part Number	Removal Rating (μm)	Nominal Length (in / mm)	Configuration Code	O-Ring Material <sup>4</sup>
ABD1UNI3EH1	0.1	10 / 254	3	Teflon Encapsulated Viton
ABD1UNI7EH1	0.1	10 / 254	7	Teflon Encapsulated Viton
MRD1UNI3EH1	0.1	10 / 254	3	Teflon Encapsulated Viton
ABD2UNI3EH1	0.1	20 / 508	3	Teflon Encapsulated Viton
ABD2UNI7EH1	0.1	20 / 508	7	Teflon Encapsulated Viton
ABD2UNI8EH1	0.1	20 / 508	8	Teflon Encapsulated Viton
ABD3UNI3EH1	0.1	30 / 762	3	Teflon Encapsulated Viton
ABD3UNI8EH1	0.1	30 / 762	8	Teflon Encapsulated Viton
ABD4UNI7EH1	0.1	40 / 1016	7	Teflon Encapsulated Viton
ABD1UND3EH1	0.04	10 / 254	3	Teflon Encapsulated Viton
ABD1UND7EH1	0.04	10 / 254	7	Teflon Encapsulated Viton
ABD2UND3EH1	0.04	20 / 508	3	Teflon Encapsulated Viton
ABD2UND7EH1	0.04	20 / 508	7	Teflon Encapsulated Viton
ABD2UND8EH1	0.04	20 / 508	8	Teflon Encapsulated Viton
ABD3UND3EH1	0.04	30 / 762	3	Teflon Encapsulated Viton
ABD3UND8EH1	0.04	30 / 762	8	Teflon Encapsulated Viton
ABD4UND7EH1	0.04	40 / 1016	7	Teflon Encapsulated Viton

<sup>4</sup> Other O-ring materials are available.

Unit conversion: 1 bar = 100 kilopascals



2200 Northern Boulevard  
East Hills, New York 11548-1289 USA

1.800.360.7255 toll free (Only in US)  
1.516.484.5400 phone  
1.516.625.3610 fax

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