

## Description

The Ultipleat P-Nylon filter is recommended specifically for bulk filtration of photoresists, solvents, TMAH-based developers and other chemicals, that are compatible with nylon 6,6 and High Density Polyethylene (HDPE). The filter design incorporates the latest advance in Pall filtration technology: the crescent shaped Ultipleat® filter configuration.

## Features and Benefits

- Naturally hydrophilic
- Quick venting
- Wide range of configurations
- High flow rates
- Integrity testable
- Low extractables
- Manufactured in a cleanroom environment
- 100% integrity tested



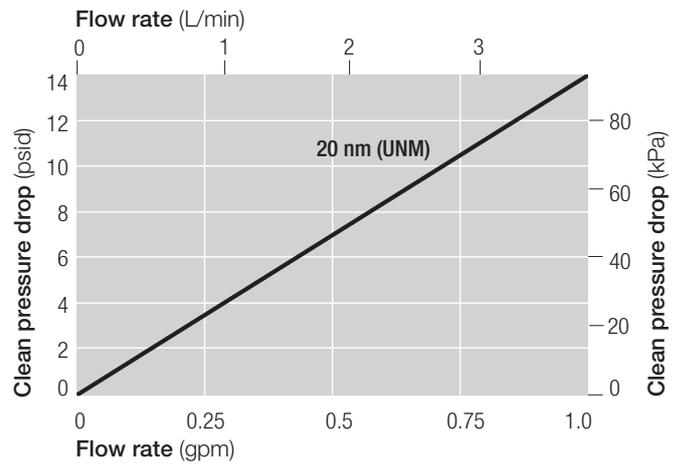
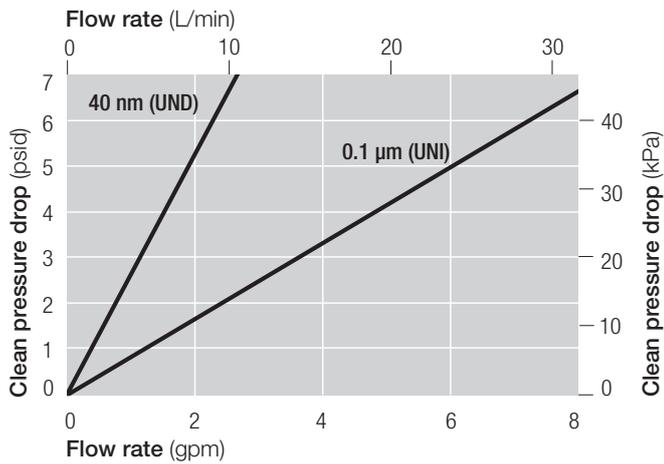
## Specifications

### Materials of Construction

| Components               | Materials   |
|--------------------------|---|
| Filter Medium            | Hydrophilic nylon 6,6                             |
| Core, Cage, and End Caps | High Density Polyethylene (HDPE)                  |
| Support and Drainage     | High Density Polyethylene (HDPE)                  |
| O-ring Options           | Fluoroelastomer, FEP encapsulated Fluoroelastomer |

|   |   |   |
|---|---|---|
| Removal Ratings                                 | 0.1 µm, 40 nm, 20 nm  |   |
| Filter Areas                                    | 0.1 µm UN I   | 0.93 m <sup>2</sup> / 10 ft <sup>2</sup> per 10 in                |
|   | 40 nm UND   | 1.2 m <sup>2</sup> / 13 ft <sup>2</sup> per 10 in                 |
|   | 20 nm UNM   | 1.4 m <sup>2</sup> / 15 ft <sup>2</sup> per 10 in                 |
| Nominal Length                                  | 254 mm / 10 in, 508 mm / 20 in, 762 mm / 30 in, and 1016 mm / 40 in |   |
| Diameter  | 70 mm / 2.75 in   |   |
| 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 |
| Maximum Operating Temperature                   | 50 °C / 120 °F  |   |
| Maximum Forward / Reverse Differential Pressure | 275 kPa @ 20 °C / 40 psid @ 68 °F                                   |   |

## Typical Flow Characteristics – 1 cP fluid, 20 °C



## Part Numbers / Ordering Information

| Part Number <sup>1</sup> | Removal Rating | Nominal Length (mm / in) | Configuration Code | O-Ring Material <sup>2</sup>     |
|--------------------------|----------------|--------------------------|--------------------|----------------------------------|
| ABD1UNI3EH1              | 0.1 μm         | 254 / 10                 | 3                  | FEP encapsulated Fluoroelastomer |
| ABD1UNI8EH1              | 0.1 μm         | 254 / 10                 | 8                  | FEP encapsulated Fluoroelastomer |
| MRD1UNI3EH1              | 0.1 μm         | 254 / 10                 | 3                  | FEP encapsulated Fluoroelastomer |
| ABD1UND3EH1              | 40 nm          | 254 / 10                 | 3                  | FEP encapsulated Fluoroelastomer |
| ABD1UND8EH1              | 40 nm          | 254 / 10                 | 8                  | FEP encapsulated Fluoroelastomer |
| ABD1UNM3EH1              | 20 nm          | 254 / 10                 | 3                  | FEP encapsulated Fluoroelastomer |
| ABD1UNM8EH1              | 20 nm          | 254 / 10                 | 8                  | FEP encapsulated Fluoroelastomer |

<sup>1</sup> 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.

<sup>2</sup> Other O-ring materials are available.



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The information provided in this literature was reviewed for accuracy at the time of publication. Product data may be subject to change without notice. For current information consult your local Pall distributor or contact Pall directly.

*IF APPLICABLE* 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.

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