

## Description

The Falcon PE filter is specifically designed to filter point-of-use photochemicals. The HDPE membrane, with HDPE support and hardware allows spontaneous wettability in solvent-based photoresists. This minimizes photochemical waste by providing quick start up, minimal bubble generation, and consistent performance. Low pressure drop is ensured by the patented crescent shaped Ultipleat® filter configuration.

## Features and Benefits

- Optimized for solvent-based applications
- Low hold-up volume
- Quick venting
- Excellent compatibility
- Low differential pressure
- Low extractables
- Manufactured in a cleanroom environment
- Captured O-ring to ease filter change out
- Designed to fit most older photoresist dispense systems



## Specifications

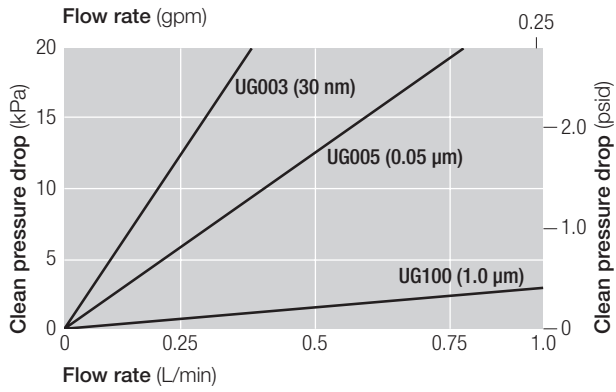
### Materials of Construction

Components	Materials
Filter Medium	High Density Polyethylene (HDPE)
Core, Cage, and End Caps	High Density Polyethylene (HDPE)
Support and Drainage	High Density Polyethylene (HDPE)
O-ring Options	EPDM, Perfluoroelastomer

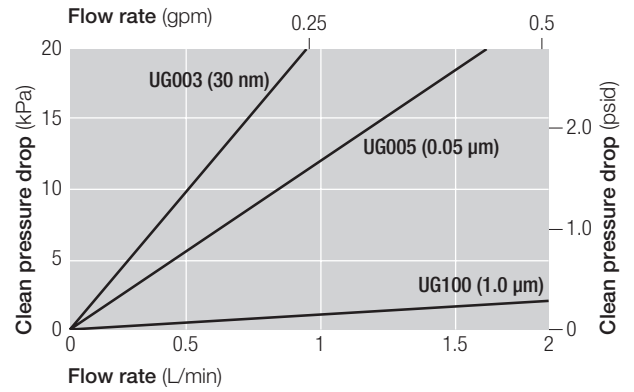
Removal Ratings	30 nm, 0.05 µm, 1.0 µm	
Configurations	MCD9116	MCD9140 / 9240
Filter Areas	1900 cm <sup>2</sup> / 2 ft <sup>2</sup>	4500 cm <sup>2</sup> / 4.8 ft <sup>2</sup>
Maximum Operating Temperature	50 °C / 120 °F	
Maximum Forward / Reverse Differential Pressure	340 kPa @ 50 °C / 50 psid @ 120 °F	

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

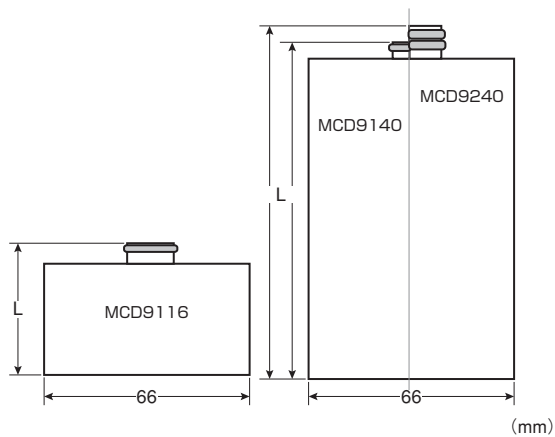
### MCD9116



### MCD9140 / MCD9240



## Filter Capsule Dimensions



## Part Numbers / Ordering Information

MCD 1 UG 2 E 3

**Table 1**

Code	Cartridge Length	O-ring Specifications
9116	52 mm / 2.0 in	AS568A-015
9140	112 mm / 4.4 in	AS568A-015
9240	121 mm / 4.8 in	AS568A-118

**Table 2**

Code	Removal Ratings
003	30 nm
005	0.05 μm
100	1.0 μm

**Table 3**

Code	O-ring Materials
J	EPDM
H11	Perfluoroelastmer

Representative example part numbers

MCD9116UG100EJ

MCD9116UG100EH11

MCD9140UG100EJ

MCD9116UG005EJ

MCD9140UG005EH11

MCD9240UG005EH11

MCD9116UG003EH11

MCD9140UG003EH11



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