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TECHNOLOGY GROUP

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Find the *Millipore / Mykrolis CWAH40KM1* at our website: *Click HERE*

Entegris

OPTIMIZER® HV 40 CARTRIDGE FILTER

For point-of-use filtration of high viscosity fluids such as polyimides

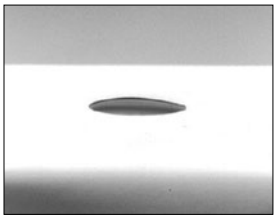


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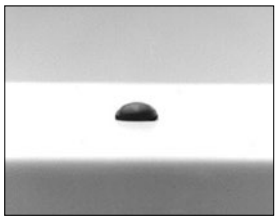
reliable solution for point-of-use polyimide filtration

Overview

The Optimizer® HV 40 cartridge filter has been specially designed for use with photolithography and polyimide process fluids at ambient temperatures. Constructed from ultra-high molecular weight polyethylene (UPE) membrane, the Optimizer HV 40 cartridge filter delivers outstanding particle retention and high flow rates in the most demanding high viscosity chemical applications.



UPE membrane: photochemical wets within 10 seconds



PTFE membrane: the PTFE membrane resists instantaneous wetting

Cost Effective, Reliable Filtration

The unique UPE membrane provides:

- Excellent retention performance
- High flow rates
- Low metals and organic extractables
- Reduced cost of ownership through superior performance, less downtime and ease of use

Features	Benefits
Unique filter design	Optimized for high flow rates of high viscosity polyimide and related photolithography solutions
UPE membrane	Eliminates prewetting and flushing
	Saves time, increases equipment uptime
	Provides better, more consistent filtration
Cartridge size optimized for Entegris high-viscosity dispense systems	Readily installs in all Wafergard® Photo 250™ and Encompass® high-viscosity dispense systems and 40-stack housings
Ultra-high purity o-ring material	Uses Kalrez® 6375UP high-purity perfluoroelastomer material to protect your process

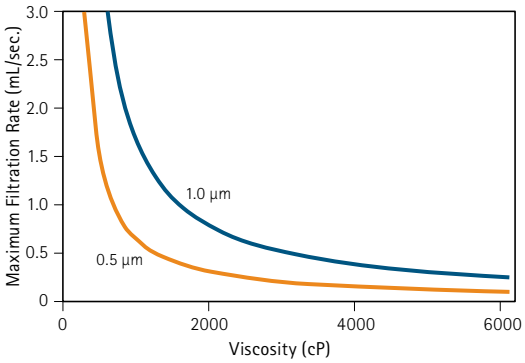
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Specifications

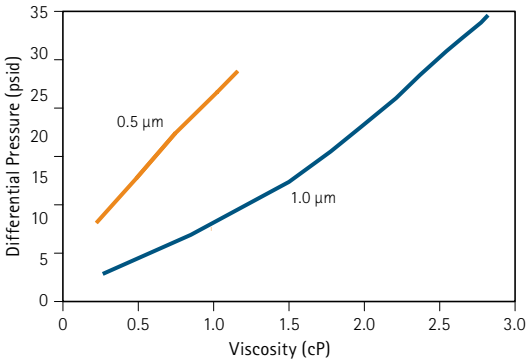
Materials:	Membrane	Ultra-high molecular weight polyethylene
	Core, cage, endcap	Polyethylene
	O-ring	Kalrez 6375UP perfluoroelastomer size 2-015
Connections:	Fits any 40-stack housing with 2-015 o-ring connection	
Membrane area:	3400 cm² (3.66 ft²)	
Dimensions:	Diameter	66.7 mm (2.63") nominal
	Length	113 mm (4.45") nominal
Maximum operating conditions:	Maximum forward differential pressure	0.34 MPa (3.4 bar, 50 psi) @ 25°C (77°F)
	Maximum reverse differential pressure	0.27 MPa (2.7 bar, 39 psi) @ 25°C (77°F)
	Maximum operating temperature	60°C (140°F)

Performance Data

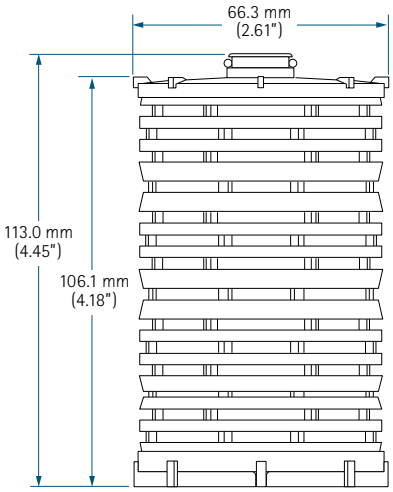
Optimizer HV40 Cartridge Filters
Maximum Filtration Rate vs. Viscosity



Optimizer HV40 Cartridge Filters
Flow Performance — 4317 cP Mineral Oil



Dimensions



Ordering Information

Part Number	Description
CWAA 40K M1	Optimizer HV 40 Cartridge Filter, 1.0 µm
CWAH 40K M1	Optimizer HV 40 Cartridge Filter, 0.5 µm

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