

Microfiltration Products

Engineered for Microelectronic Applications



At Parker domnick hunter Process Filtration we see every microelectronics application as an opportunity to provide a total filtration solution. We have this capability due to our constant drive to be at the leading edge of filtration technology. Our innovative engineering teams work closely with our dedicated worldwide support network resulting in unparalleled customer satisfaction.

Parker domnick hunter offers a wide range of microfiltration products for critical liquid and gas applications, with particle removal ratings from 0.02 to 40.0 micron.

Our products will consistently meet your exacting performance and compatibility requirements – even in processes using aggressive chemicals. Our products can offer metals extractables <5ppb.



Contact Information

Parker Hannifin Corporation
domnick hunter
Process Filtration - North America
 phone +1 877 784 2234
 dhpsales.na@parker.com

Parker Hannifin Manufacturing Ltd
domnick hunter
Process Filtration - Europe
 phone +44 (0)191 4105121
 dhprocess@parker.com

www.parker.com/processfiltration

Products

FLUOROFLOW®
 100% Fluoropolymer construction

FLUOROCAP®
 100% Fluoropolymer capsules

CHEMFLOW® PE
 PTFE Membrane / High Density
 Polyethylene construction

CLARIFLOW®
 Polyethersulfone (PES) Membrane /
 Polypropylene construction

PROFLOW™ II
 PTFE Membrane / Polypropylene
 construction

PROFLOW™-HE
 PTFE Membrane / Polypropylene
 construction

POLYFLOW® MEMBRANE
 Polypropylene Membrane /
 Polypropylene construction

POLYFLOW®
 Polypropylene absolute – and
 nominal-rated depth media
 Polypropylene structure

*A wide variety of housings is available.
 Contact your Parker Filtration Sales
 Representative for more details.*



ENGINEERING YOUR SUCCESS.

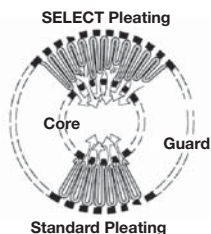
Microfiltration Products

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Product line	Available Configurations	Filter Ratings (microns)	Optional Features	Typical Applications
FLUOROFLOW® 100% Fluoropolymer construction	Cartridge	0.03, 0.05, 0.1, 0.2, 0.45, 1.0	S U XL XF	<ul style="list-style-type: none"> Critical filtration of aggressive acids, bases, strippers, and solvents Available for high temperature applications
FLUOROCAP® 100% Fluoropolymer construction capsules	Capsule	0.03, 0.05, 0.1, 0.2	S U XL XF	<ul style="list-style-type: none"> Encapsulated filter for critical filtration of aggressive chemicals and process fluids under harsh conditions where potential contamination during cartridge change out is a concern Available for high temperature applications
CHEMFLOW® PE & XF PTFE membrane High density polyethylene structure	Cartridge	0.05, 0.1, 0.2, 1.0	S XF	<ul style="list-style-type: none"> Purification of photoresists, chemicals & etch baths Filtration of solvents, cleaning solutions
CLARIFLOW® Polyethersulfone (PES) membrane mini-polypropylene structure	Cartridge Mini-Capsule Mini-Cartridge	0.02, 0.04, 0.1, 0.2, 0.45, 0.65, 0.8	S	<ul style="list-style-type: none"> Aqueous based chemicals; recirculating etch baths; UPW systems
PROFLOW™ II PTFE membrane Polypropylene mini-structure	Cartridge Mini-Capsule Mini-Cartridge	0.03, 0.05, 0.1, 0.2, 0.45, 1.0	S	<ul style="list-style-type: none"> Ultrapure chemicals and gas processing; photochemical processing Bulk chemical distribution
PROFLOW™-HE Pleated hydrophilic PTFE membrane Polypropylene structure	Cartridge	0.05, 0.1, 0.2, 0.5, 1.0, 3.0, 10.0	S	<ul style="list-style-type: none"> Acids & bases Extraction/crystallization solvents Hot ultra-high purity deionized water Solvent filtration
POLYFLOW® MEMBRANE Polypropylene nominal rated membrane Polypropylene structure	Cartridge	0.04, 0.07, 0.1, 0.2	S	<ul style="list-style-type: none"> Filtration of photochemicals & ultrapure chemicals Gas filtration
POLYFLOW® Polypropylene absolute rated depth media Polypropylene structure	Cartridge Mini-Capsule Mini-Cartridge	0.6, 1.2, 2.5, 5.0, 10.0, 20.0, 40.0		<ul style="list-style-type: none"> DI water prefiltration Solvent and gas prefiltration General filtration

S SELECT Pleating

The revolutionary SELECT technology can improve and lower the costs of wafer processing. Imagine: up to 80% more effective filtration area – with twice the throughput. All of this with particle retention of >99.99% from a cleanroom manufactured and tested product.



U Ultraclean

Ultraclean technology leads the microelectronics industry in cleanliness. Ultraclean is a proprietary process applied to electronics grade products. It provides a total metals extractables level of <5ppb. Ultraclean's low level of metals extractables provides users with a highly consistent manufacturing process and very low product reject rates.



XL XL

XL technology provides maximum flow rate and lifetime. It combines SELECT technology with a larger diameter cartridge (3.25") for the highest flows in the industry.



XF XF

XF is a revolutionary membrane technology. It provides superior flow over traditional cartridges by utilizing an asymmetric PTFE membrane. XF cartridges offer up to three times the flow rate and throughput at lower differential pressure.



Specifications are subject to change without notification.
For User Responsibility Statement, see www.parker.com/safety

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