

# Microfiltration Products

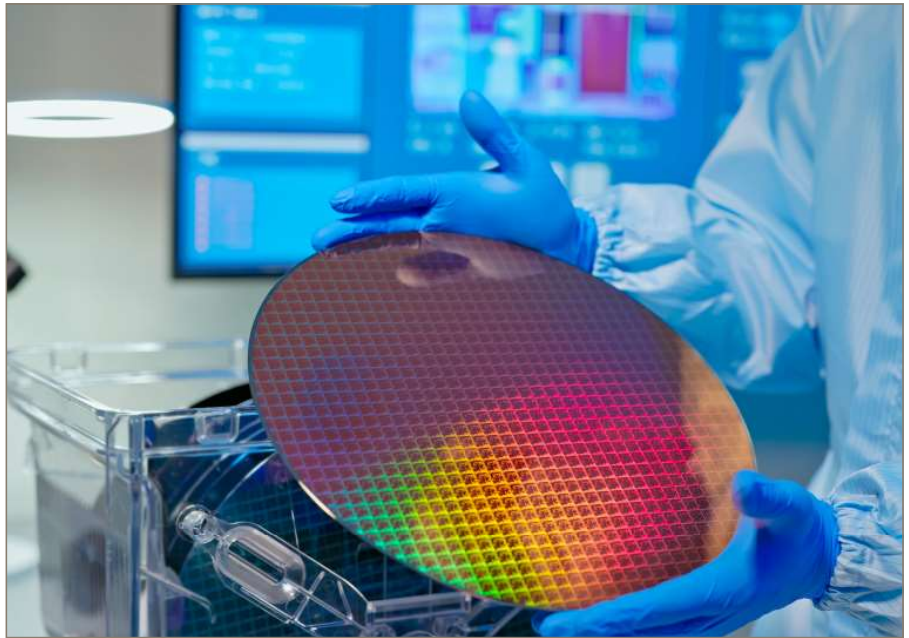
## Engineered for Microelectronic Applications



At Parker 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 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

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## Products

**FLUOROFLOW®**  
100% Fluoropolymer construction

**FLUOROCAP®**  
100% Fluoropolymer capsules

**CHEMFLOW® PE & CHEMFLOW® PE SELECT**  
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

Housings are also available. Contact your Parker Filtration Sales Representative for more details.



ENGINEERING YOUR SUCCESS.

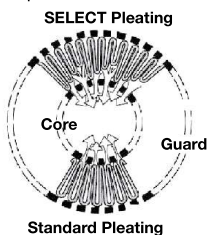
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Product line	Available Configurations	Filter Ratings (microns)	Optional Features	Typical Applications
<b>FLUOROFLOW</b> 100% Fluoropolymer construction	Cartridge	0.03, 0.05, 0.1, 0.2, 0.45, 1.0	S U XL XF	<ul style="list-style-type: none"> <li>Critical filtration of aggressive acids, bases, strippers, and solvents</li> <li>Available for high temperature applications</li> </ul>
<b>FLUOROCAP</b> 100% All-welded fluoropolymer construction capsules	Capsule	0.03, 0.05, 0.1, 0.2	S U XL XF	<ul style="list-style-type: none"> <li>Encapsulated filter for critical filtration of aggressive chemicals and process fluids under harsh conditions where potential contamination during change out is a concern</li> <li>Available for high temperature applications</li> </ul>
<b>CHEMFLOW (PE, SELECT, &amp; XF)</b> PTFE membrane   High density polyethylene structure	Cartridge	0.03, 0.05, 0.1, 0.2, 1.0	S XF	<ul style="list-style-type: none"> <li>Filtration of UHP solvents, acids, and dilute alkaline chemistries</li> </ul>
<b>CLARIFLOW</b> Polyethersulfone (PES) membrane   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"> <li>Aqueous based chemicals; recirculating etch baths; UPW systems</li> </ul>
<b>PROFLOW II</b> PTFE membrane   Polypropylene 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"> <li>Ultrapure chemicals and gas processing; photochemical processing</li> <li>Bulk chemical distribution</li> </ul>
<b>PROFLOW-HE</b> 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"> <li>Acids &amp; bases</li> <li>Extraction/crystallization solvents</li> <li>Hot ultra-high purity deionized water</li> <li>Solvent filtration</li> </ul>
<b>POLYFLOW MEMBRANE</b> Polypropylene nominal rated membrane   Polypropylene structure	Cartridge	0.2	S	<ul style="list-style-type: none"> <li>Filtration of photochemicals &amp; ultrapure chemicals</li> <li>Gas filtration</li> </ul>
<b>POLYFLOW</b> 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"> <li>DI water prefiltration</li> <li>Solvent and gas prefiltration</li> <li>General filtration</li> </ul>

**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 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 unique high flux 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](http://www.parker.com/safety)

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