

**Filter Klear® Micro
Filter Cartridges**

Filter Klear® Micro filter cartridges provide superior filtration results in a wide range of liquid applications

Filter Klear® Micro filter cartridges provide an ideal solution for many liquid filtration needs. The pleated construction of these filters provides a combination of high efficiency and cost effectiveness. State of the art microfiberglass is layered with spun bonded polyester to produce a highly efficient media with excellent particulate removal as well as low pressure drops.

Features and Benefits

- **Highly efficient pleated construction** allows for greater surface area in a compact design
- **Excellent capacity** maximizes time between filter change outs, lowering operating costs
- **Low initial pressure drops** allow for maximum processing flexibility

Specifications

FILTER SPECIFICATIONS:

Media:	Microfiberglass layered with spun bonded polyester; 50 micron is 100% polyester
Support Materials:	Polypropylene
Nominal Micron Ratings:	0.1, 0.2, 0.45, 1.0, 3.0, 10.0, 30.0, 50.0 <small>Ratings derived from independent laboratory tests using latex bead suspensions and particle counter readings</small>

EFFECTIVE FILTRATION AREA:

4 square feet per layer per 10 inch length

DIMENSIONS:

Diameters:	2.75" OD; 1" ID
Nominal Lengths:	5", 9.75", 10", 19.5", 20", 29.25", 30", 39", and 40"

OPERATING CHARACTERISTICS:

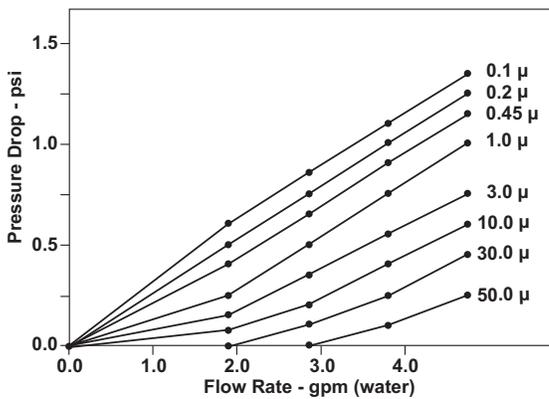
Maximum ΔP :	75 psid at 68°F 40 psid at 150°F
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Applications

- Process Water
- Chemical Processing
- Well Completion Fluids
- Coatings
- Printing Inks
- RO Prefiltration
- Oils
 - Lubricating
 - Hydraulic
 - Cutting Fluids

Flow vs Pressure Drop



Microfiberglass media in a pleated construction provides excellent flow rates with minimum pressure drop. Flow rates shown are for a nominal 10 inch long cartridge. For fluids other than water, multiply the pressure drop by the fluid viscosity in centipoise.

Related Products



Filter Klear® Pro Filters offer state of the pleated polypropylene construction for demanding filtration needs including potable and food grade liquid applications, as well as many aggressive chemicals

Filter Retention Specifications for Filter Klear® Micro

Nominal Micron Rating	Liquid Service				Gas Service DOP Removal Efficiency
	Particulate Removal Efficiency				
	90%	99%	99.9%	99.99%	
	Beta Ratio				
	10	100	1,000	10,000	
0.1	0.1	0.4	0.6	0.8	99.999%
0.2	0.2	0.5	0.7	1.0	99.99%
0.45	0.45	1.0	2.0	3.0	99.985%
1.0	1.0	3.0	5.0	7.0	93%
3.0	3.0	7.0	10.0	12.0	65%
10.0	7.0	10.0	15.0	25.0	50%
30.0	20.0	30.0	40.0	50.0	15%
50.0	30.0	40.0	50.0	60.0	—



Filter Klear® AquaKey™ UV Systems combine our renowned GIANT® filtration system with industry leading UV Pure Technologies purification products to provide unmatched water safety and quality.

Ordering Instructions for Filter Klear® Micro

Use the chart below to determine the exact filter cartridge you require.

08FPT 002 10 H E

Microfiberglass					
Micron Rating * 00.1 00.2 00.4 01.0 03.0 10.0 30.0 50.0					
Nominal Cartridge Length (Inches) 5", 9.75", 10", 19.5", 20", 29.25", 30", 39", 40"					
				Gasket Material E = EPR V = Viton T = Teflon S = Silicone N = Buna	
				Cartridge Style D = PVC (Double Open End) H = DOE PP (Double Open End) J = 222 O-ring (Closed End) K = 222 O-Ring (Fin End) L = 226 O-ring (Closed End) M = 226 O-ring (Fin End)	

* FDA Grade Media



Filter Klear® Nano-Key™ Cartridge Filters utilize electro-adhesion and mechanical filtration to provide superior removal. Reduces virus, bacteria, cysts, endotoxin and many other submicron particles.