FiltersOurce.com

Filtration | Separation | Purification

QXL™ Polypropylene Filter Series

Absolute Rated Filtration for Inks, Slurries and Coatings

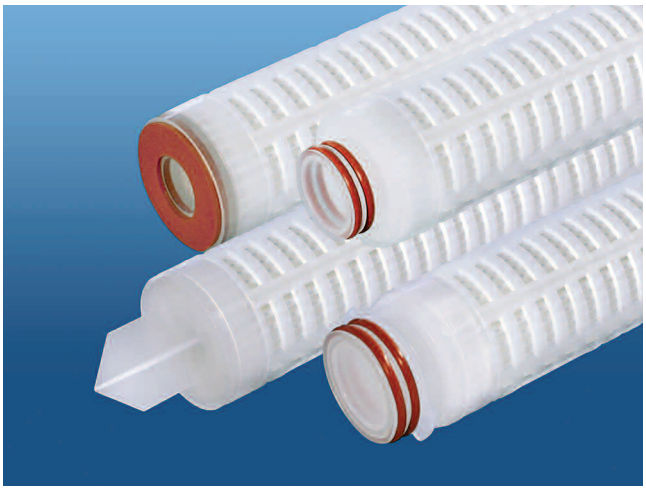
With its extra-loft, extra-life depth filter configuration, the QXL is designed for the filtration of industrial solutions containing agglomerated particles and gels or with high viscosity. Consistent absolute retention performance is achieved throughout the pleated, serialized microfiber matrix. The state-of-the-art optimized structure provides significantly higher flow rates and throughputs than cylindrical melt blown filters.

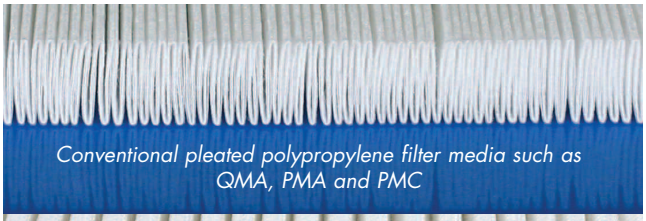
Filter Features–Benefits

- Hybrid pleated depth construction combines graded pore structure with high surface area.
- Constructed entirely of polypropylene – Compatible with a broad range of solutions and chemicals
- Optimized pleat configuration – Provides the ideal combination of retention, flow rate and throughput
- Excellent gel and agglomerated particle retention reduces defects
- Available in common end cap configurations – Retrofits easily into most filter housings
- FDA listed materials of construction
- Meets USP Class VI Biological test for plastics

Filter Specifications

Materials	
Media:	*Polypropylene*
Core,Cage, End Caps:	*Polypropylene*
Gaskets/O-Rings:	*Silicone, Viton, EPDM, Buna, Teflon encapsulated Viton (O-Rings only)*
Micron Ratings:	*0.45, 0.5, 1, 3, 5, 10, 20, 40 µm*
Dimensions and Operating Parameters	
Typical nominal lengths:	*9.75", 10", 20", 30", 40" 24.8, 25.4, 50.8, 76.2, 101.6 cm*
Outside Diameter:	*2.7" (6.86 cm)*
Inside Diameter:	*1.1" (2.79 cm)*
Maximum Operating Temperature:	*176°F (80°C)*
Maximum Differential Pressure:	*75 psid @ 70°F (5.2 bar @ 21°C)* *40 psid @ 176°F (2.8 bar @ 80°C)*
Maximum Reverse Differential Pressure:	*35 psid @ 80°F (2.4 bar @ 27°C)*
Recommended Change-out pressure:	*35 psid (2.43 bar)*
Sterilization:	*Cartridges may be autoclaved for 30 minutes at 250°F (121°C) under no end load conditions. May be in-line sanitized with 185°F (85°C) hot water– do not exceed 3 psid.*





Conventional pleated polypropylene filter media such as QMA, PMA and PMC

QXL filter media

Applications

- Inks
- Paints
- CMP P-O-U and bulk slurries
- Beverages
- Adhesives
- Coatings

Filter Removal Efficiency

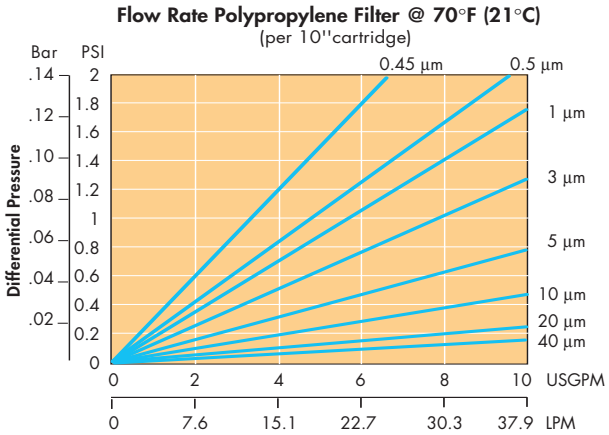
Beta Ratio Efficiency	*Beta 1000 99.9%*	*Beta 100 99%*	*Beta 50 98%*
0.45 micron	*0.45*	*0.3*	*0.2*
0.5 micron	*0.65*	*0.45*	*0.3*
1 micron	*1.5*	*0.8*	*0.6*
3 microns	*3*	*2*	*1*
5 microns	*5*	*4*	*3*
10 microns	*10*	*8*	*7*
20 microns	*20*	*19*	*17*
40 microns	*40*	*35*	*25*

QXL Nomenclature Information

QXL	5	-10	P8	S
Filter Type QXL Series Filters	**Retention Rating (microns)** **0.45*** **0.5**** **1** **3** **5** **10** **20** **40** * Special CMP slurry formulation. ** Special ink formulation.	**Nominal Length (inches)** **-9.75** **-10** **-20** **-30** **-40**	**End Configuration** **P** Double Open End **P2** 226/Flat Single Open End **P3** 222/Flat Single Open End **P7** 226/Fin Single Open End **P8** 222/Fin Single Open End **AM** Single open end, internal O-Ring	**Gasket or O-Ring** **S** Silicone **B** Buna-N **E** EPDM **V** Viton **T** Teflon encap. Viton (O-Rings only)

Example: QXL 5-10 P8S

QXL FLOW RATE



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