



Technical Brief

Graver Pleated Filter Selection

Graver Technologies offers a wide range of pleated polypropylene filter cartridges for use in process filtration applications. So how do you decide which is most appropriate for a given application?

The following chart defines the basic characteristics of Gravers pleated filters and defines the application parameters for which each product is ideally suited. Competitive products to be replaced are provided for ease in cross-referencing.

	QXL	QMA	QMC	PMA	PMC
Multi or single layer	Multi Layer	Single Layer	Multi Layer	Single Layer	Single Layer
Nominal or Absolute	Absolute Beta 5000	Absolute Beta 5000	Nominal Beta 20	Absolute Beta 5000	Nominal Beta 10
Surface Area	2.2 to 2.4 ft ²	7.0 ft ²	4.4 ft ²	5.1 ft ²	5.1 ft ²
List Price 5 µm 10"	\$34.58	\$53.45	\$43.15	\$42.55	\$26.80
Ideal Application Parameters	When longer life of pleated filter is desired compared to cylindrical depth filters, but deformable particles are present. Also for batch processes	Classifying applications – fluids with hard contaminant. Applications where absolute rated efficiency is required.	Clarifying applications where nominal ratings are appropriate, but longer life is desired than provided by a depth filter. Also for batch operations and/or with high turbidity.	Classifying applications and batch processes, where absolute efficiency is required but a value price is desired	Classifying filtration for batch operations or where a value priced nominal filter is desired
Target Applications	Inks, coatings, CMP slurries, adhesives	Food and beverage, membrane prefilters, magnetic coatings, cosmetics	RO prefilters, aqueous solutions, chemicals, cosmetics, inks	Bottled water, chemicals, food and beverage, process water	Process water, wastewater, disposal wells
Competitive Products to Replace	Pall Profile II, HDC II, Ultipleat Profile, Profile Star, and Poly-Fine XLD, Parker Fulflo Slurry Mate	Pall HDC II, Parker Fulflo Advantage or Abso-Mate, GE Flotrex-AP, Cuno Betafine XL, Sartopure PP, Meissner Alpha	GE Flotrex-PN, Critical Process GPD, EPD, FPD, PPD, DH Peplyn Plus	Cuno Betafine D, PTI Poly Flow	Pall Poly-Fine II, Parker Fulflo Poly-Mate and Poly-Mate Plus, PTI Poly Flow G, Meissner Vanguard





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A graphic illustration of the Graver pleated polypropylene filter characteristics is provided below:

Removal Efficiency	Absolute	QMA (premium, high surface area) PMA (value priced)	QXL
	Nominal	PMC	QMC
		Non-Deformable	Deformable
Type of Contaminant			

Target Applications:

	QXL	QMA	QMC	PMA	PMC
CMP Slurries	•••		••		
Ink Jet Inks	•••		••		
Coatings	•••	••	••		
Chemicals	••	••	•••	•	•
Pre RO		•••	•••	•	•
Pharmaceutical		•••	•	•	•
Cosmetics		••	•	••	•••
Bottled Water		•••	••	•••	•
Beer and Wine	••	••		••	
Process Water		•••	••	•••	••
Wastewater			••		•••

••• Best Choice •• Better Choice • Good Choice

