

DMK(C) Fluoropolymer Series



KYNAR® PVDF Resin* Melt Blown Filter Cartridges

DMK(C) series filters are graded density melt blown type depth filters made from KYNAR® PVDF resin fibers with or without a molded PVDF core. These all-fluoropolymer filters provide fine filtration from 1 micron to 50 microns, and offer excellent compatibility with difficult fluids that would cause many other common filter materials to degrade or swell.

Our innovative production process creates a depth filter with superior performance and consistency. Standard graded density cartridges are available along with custom-gradient configurations. Cartridges are available in lengths to 50" (127 cm) and various diameters to 6" (15.2 cm).

Some typical applications** for the DMK(C) filter series PVDF filter are nitric acid, sulfuric acid, formic acid, phosphoric acid, hydrochloric acid, acidic plating chemicals, etchants, ozonated water, bleach, hydrogen peroxide, bromine solutions, gasoline, diesel fuels, jet fuels, biodiesel fuels, oils and many organic solvents.

Benefits

- Broad chemical compatibility
- Rigid internal core for strength available
- Low pressure drop
- High dirt-holding-capacity – gradient density
- Fixed-pore-structure retains trapped debris
- High temperature applications
- Made in Ashland, VA



*DMK(C) series melt blown PVDF depth filters provide reliable removal of particulate contaminants and resist a wide array of acids, oxidizing chemicals, fuels and solvents. ***

Applications

- Acids, concentrated acids, hot acids
- Acidic plating chemicals, acid etch solutions
- Ozonated water, oxidizing chemicals
- Petrochemicals – gasoline, diesel fuel, biodiesel fuel, jet fuel, oils
- Many organic solvents, plant derived oils
- Bromine and many bromine chemistries

* KYNAR® resin is a registered trademark of Arkema.

** Compatibility statements are general in nature and filter users should evaluate chemical compatibility on a case-by- case basis.



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Specifications

Filter Medium

Melt Blown, PVDF

Rigid Internal Filter Support Core

Molded PVDF and SST available

Cartridge ID

1-1/16"

Cartridge OD

<u>Name</u>	<u>Size</u>
DMK(C)-[Blank]	2.5" or 6.4cm
DMK(C)-J	4.5" or 11.4cm
Special OD's accommodated	

Length

Up to 50" (127 cm)

Efficiency

90% nominal

Operating Pressure & Temp

20 PSID Recommended (1.4 bar)
 30 PSID Max (2.1 bar) without core
 60 PSID Max (4.1 bar) with core

285 °F (140 °C) Max temperature*

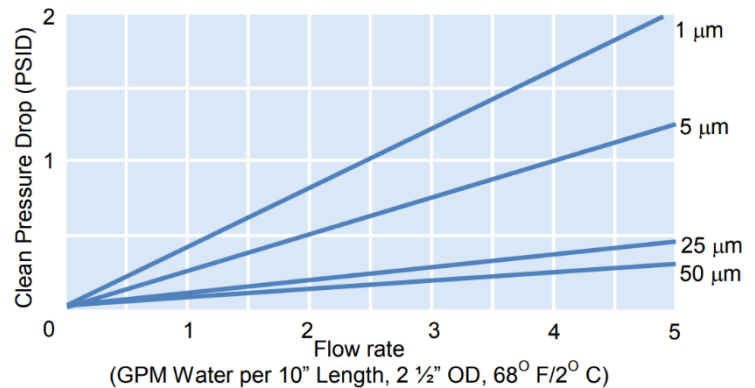
Box Quantities

2.5" OD
 9.75"-10" – 40 per box
 20"-50" – 20 per box



Optional End Fittings for the DMK or DMKC

Pressure Drop vs. Flow Rate



* Dependent on chemical composition

MODEL/CODE ORDERING INFORMATION

Cartridge Type	Micron Rating	Length Inches	Diameter	Options	O-Rings
DMKC	1	9.75	[Blank] 2.5" OD	[None] - DOE for knife edge seal	[blank] – none
Melt blown	3	10	J - 4.5" OD	2SD - SOE, 222 O-ring seal, w/ flat top*	B - Buna
filter with rigid	5	20		2SF - SOE, 222 O-ring seal w/ fin*	E – EPDM (EPR)
internal core	10	30		2SPR - SOE, 222 O-ring seal, w/ spring top*	S - Silicone
DMK	25	40		6SD - SOE, 226 O-ring seal, w/ flat top*	V – FKM
Melt blown	50	50		6SF - SOE, 226 O-ring seal, w/ fin*	fluoroelastomer
filter without an		Custom		E - DOE for knife edge seal, extended core	
internal core				EC - DOE, end caps with polypropylene PPR gaskets*	
				GP - polyethylene gaskets (heat sealed to filter)	
				SPR - SOE spring in top, knife edge seal	

