

KMS WINEFILTER™ MF 5" HOLLOW FIBER CARTRIDGES

Hollow Fiber Crossflow Microfiltration Cartridges for Wine Filtration

PRODUCT DESCRIPTION

Membrane Type:	Microfiltration
Pore Size:	Microporous
Housing Construction:	Polysulfone
Regulatory Status:	Conforms to FDA regulations (CFR Title 21)
Housing Construction:	Polysulfone shell and end caps
Storage Solution:	Glycerin

SPECIFICATIONS

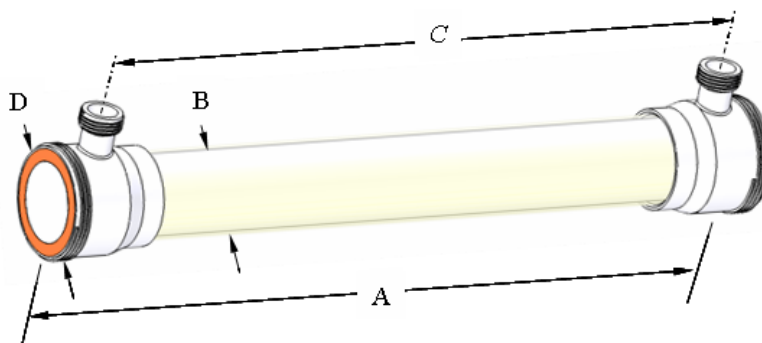
Part Number	Model	Active Membrane Area		Fiber Inside Diameter	
		ft ²	(m ²)	mil	(mm)
0720263	WINEFILTER MF 5043	68	6.3	52	1.3
0720264	WINEFILTER MF 5060	95	8.8	52	1.3

OPERATING & DESIGN INFORMATION*

Recommended Inlet Pressure:	20-30 psi (1.4-2.1 bar)
Maximum Transmembrane Pressure:	25 psi (1.7 bar)
Maximum Feed Side Pressure Drop:	25 psi (1.7 bar)
Maximum Backflush Pressure:	20 psi (1.4 bar)
Maximum Operating Temperature:	104°F (40°C) @ pH 6
Maximum Cleaning Temperature:	122°F (50°C)
Allowable pH (Cleaning):	1.5 – 13.0 @ 104° F (40°C)

*Consult KMS Industrial Process Technology Group for specific information

NOMINAL DIMENSIONS



Model	A	B	C	D	Permeate Connection	Process Connection
	inch (mm)	inch (mm)	inch (mm)	inch (mm)		
WINEFILTER MF 5043	43 (1,092)	5.0 (127)	38 ⁵ / ₈ (981)	6.0 (152)	1 ¹ / ₂ " NPSM	6" NPSM
WINEFILTER MF 5060	60 (1,524)	5.0 (127)	55 ⁵ / ₈ (1,413)	6.0 (152)	1 ¹ / ₂ " NPSM	6" NPSM

5" HOLLOW FIBER CARTRIDGE HARDWARE

Item	Part Description	KPN
1	5" HF Cartridge	
2	Process Cap Nut	0040364
3	Cartridge Gasket Silicon	0211095
4	Cartridge Reducing Elbow	0040365
5	Cartridge Straight adapter (threaded)	0040376
6	Manifold Gasket EPDM	0090439
	Manifold Gasket BUNA	0090432
7	Cartridge Backup Ring	0040368
8	Manifold Cap Nut	0040367
9	Permeate Port Gasket	0090448
10	Permeate Plug	0040375
11	Permeate Adapter Sanitary	0211787
12	Permeate Cap Nut (for part 17)	0040377

LUBRICANTS

For cartridge installation, use only water or glycerin to lubricate seals. The use of petroleum or vegetable-based oils or solvents may damage the cartridge and will void the warranty.

EXPOSURE TO CHEMICAL OXIDANTS:

Exposure to chemical oxidants for thorough cleaning and sanitization may prove necessary and useful.

- Chemical oxidants commonly used in food applications include peracetic acid blends, hydrogen peroxide, and sodium hypochlorite. Please consult KMS for recommended addition rates, frequency of use, and tolerance.
- Potassium metabisulfite (without catalyst such as cobalt) is the preferred chemical to eliminate residual chlorine or similar oxidizers prior to processing the feed stream.

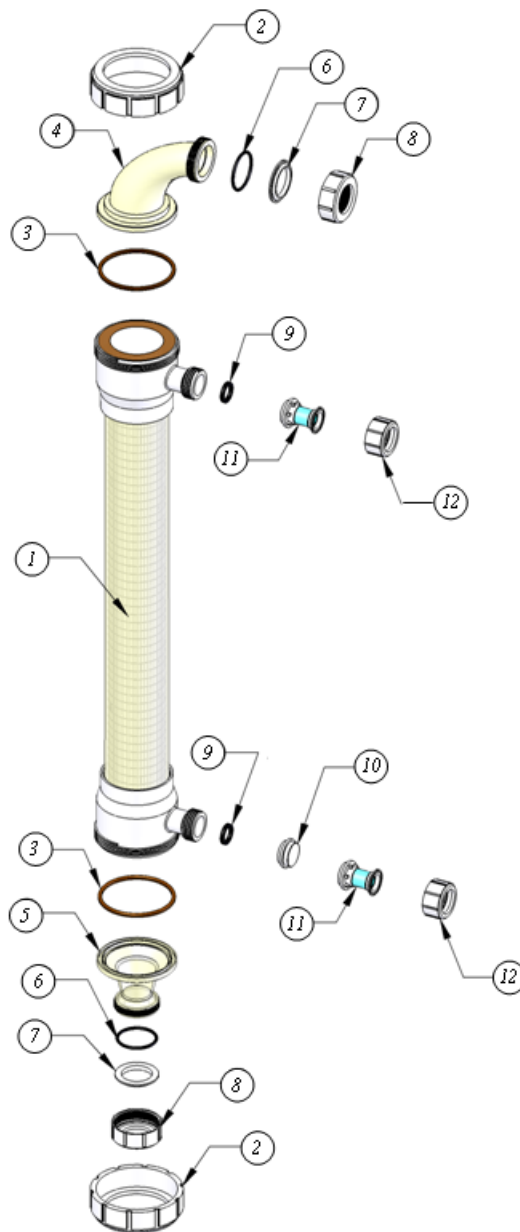
KMS CAPABILITY

KMS is the leader in crossflow membrane technology, manufacturing reverse osmosis, nanofiltration, microfiltration, and ultrafiltration membranes and membrane systems. The industries served include food, dairy and beverage, pharmaceutical, biotechnology, water and wastewater, semiconductors, automotive, chemical and general manufacturing. KMS adds value by providing top quality membrane products and by sharing its experience in the design and supply of thousands of crossflow membrane systems worldwide.

SERVICE AND ONGOING TECHNICAL SUPPORT

Koch Membrane Systems, Inc. has an experienced staff of professionals available to assist end-users and OEMs for optimization of existing systems and support the development of new applications. Along with the availability of supplemental technical bulletins, Koch Membrane Systems, Inc. also offers a complete line of KOCHKLEEN® cleaning chemicals

The information contained in this publication is believed to be accurate and reliable, but is not to be construed as implying any warranty or guarantee of performance. We assume no responsibility, obligation or liability for results obtained or damages incurred through the application of the information contained herein. Refer to Standard Terms and Conditions of Sale and Performance Warranty documentation for additional information.



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