



WINEFILTER-R 6" HOLLOW FIBER CARTRIDGE

Hollow Fiber Crossflow Cartridge for Wine Filtration

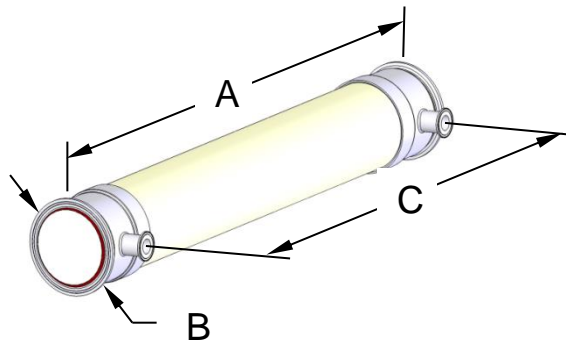
PRODUCT DESCRIPTION	Membrane Type:	Microfiltration
	Membrane Material:	Polysulfone
	Regulatory Status:	Compliant with US FDA CFR Title 21 and EC Reg. Nos. 1935/2004, and 10/2011
	Housing Construction:	Polysulfone shell and end caps
	Storage Solution:	Glycerin

NOMINAL SPECIFICATIONS	Part Number	Model	Membrane Area		Fiber Inside Diameter
			ft ²	(m ²)	mil (mm)
	KDP3523	WINEFILTER-R 6041	125	11.6	54 1.4

OPERATING & DESIGN INFORMATION*	Maximum Inlet Pressure:	40 psi (2.7 bar)
	Maximum Transmembrane Pressure:	25 psi (1.7 bar)
	Maximum Feed Side Pressure Drop:	30 psi (2.1 bar)
	Maximum Backflush Pressure:	20 psi (1.4 bar)
	Recommended Backflush Interval:	15 to 30 minutes
	Maximum Operating Temperature:	104°F (40°C) @ pH 6
	Maximum Cleaning Temperature:	140°F (60°C)
	Allowable pH (Cleaning):	1.5 – 13.0

*Consult KMS Industrial Process Technology Group for specific information

NOMINAL DIMENSIONS



Model	A	B	C	Permeate Connection	Process Connection
	inch (mm)	inch (mm)	inch (mm)		
WINEFILTER-R 6041	40 ³ / ₄ (1,035)	6.67 (169.4)	35 ¹ / ₂ (903)	2" sanitary	6" sanitary

KMS WINEFILTER-R 6" HOLLOW FIBER CARTRIDGE

6" HOLLOW FIBER CARTRIDGE HARDWARE

Item	Part Description	KPN
1	6" gasket	0090424
2	3" x 6" Process Cap adapter	0040419
3	6" Coupling	1020262
4	3" Cartridge Gasket EPDM	0090418
5	3" Clamp	0210470
6	2" Gasket EPDM	0090404
7	2" Clamp	0210467

Kit assembly for 6" cartridge is available. KMS part number is 1022039.

INSTALLATION

Assemble the cartridge with the pass kit as shown in the figure; then install in the same fashion as the original cartridges. Before installation of cartridges on the system, ensure the 6" couplings (item #3) are torqued hand-tight.

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.

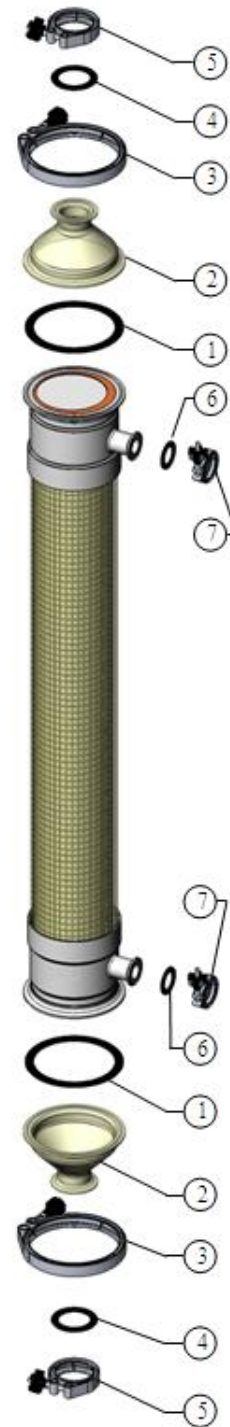
- Chemical oxidants commonly used in food applications include peracetic acid blends, hydrogen peroxide, and sodium hypochlorite. Please consult KMS for recommended addition rates, frequency of use, and tolerance.
- Potassium metabisulfite (without catalyst such as cobalt) is the preferred chemical to 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 and can assist optimizing your chemical cleaning regime.



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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For related trademark information, visit www.kochmembrane.com/legal

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