DATASHEET

KOVALUS Separation Solutions™

WINEFILTER R 6” Hollow Fiber Cartridges

Hollow Fiber Crossflow Cartridge Insert for Wine Filtration

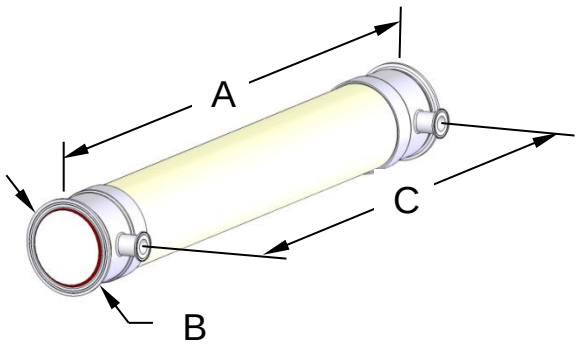
PRODUCT DESCRIPTION	
Membrane Type:	Microfiltration
Membrane Material:	Polysulfone
Regulatory Status:	Compliant with US FDA CFR Title 21 and EC Reg. Nos. 1935/2004, and 10/2011
Housing Construction:	Polysulfone shell and end caps
Storage Solution:	Glycerin

SPECIFICATIONS			
Model	**Part Number**	**Membrane Area ft² (m²)**	**Fiber Inside Diameter mil (mm)**
WINEFILTER-R 6041	KDP3523	125 (11.6)	54 (1.4)

OPERATING AND 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 KSS Industrial Process Technology Group for specific information.

NOMINAL DIMENSIONS



Model	A		B		C		Permeate Connection	Process Connection
	inches	mm	inches	mm	inches	mm		
WINEFILTER-R 6041	40 ¾	1,035	6.67	169.4	35 ½	903	2” sanitary	6” sanitary

CARTRIDGE ASSEMBLY AND COMPONENTS

6” HOLLOW FIBER CARTRIDGE

Item	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:

KSS part number 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 KSS 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.

KSS Capability

KSS 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. KSS 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

KSS 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, KSS also offers a complete line of cleaning chemicals and can assist optimizing your chemical cleaning regime.

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For complete contact information and listing of our global locations, visit www.kovalus.com

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