≋KOVALUS
Separation Solutions™

WINEFILTER™ II HP 6" Hollow Fiber Cartridges

Hollow Fiber Crossflow Cartridge Insert for Sparkling Wine Filtration

PRODUCT DESCRIPTION

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Membrane Type:	Microfiltration
Membrane Material:	Polysulfone
Regulatory Status:	Compliant with US FDA CFR Title 21 and EC Reg. Nos. 1935/2004, and 10/2011
Construction:	Polysulfone shell for insertion into stainless steel housing
Storage Solution:	Glycerin

SPECIFICATIONS

Model	Part Number	Active Membrane Area ft² (m²)	Fiber Inside Diameter mil (mm)
WINEFILTER II 6062 HP	0720266	185 (17.2)	43 (1.1)

OPERATING AND DESIGN INFORMATION*

Maximum Inlet Pressure:	145 psi @ 77°F (10 bar @ 25°C)
Maximum Transmembrane Pressure:	35 psi @ 77°F (2.4 bar @ 25°C)
Maximum Feed Side Pressure Drop:	35 psi @ 77°F (2.4 bar @ 25°C)
Maximum Backflush Pressure:	20 psi (1.4 bar)
Recommended Backflush Interval:	15 to 30 minutes
Maximum Operating Temperature:	95°F (35°C) @ pH 6
Maximum Cleaning Temperature:	131°F (55°C) 1% Hydrogen Peroxide Cleaning @ 122°F (50°C)
Allowable pH (Cleaning):	1.5 – 13.0 @ 131°F (55°C) maximum

*Consult KSS Industrial Process Technology Group for specific information.

NOMINAL DIMENSIONS
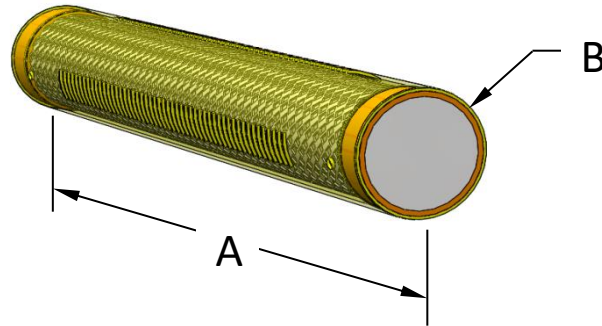
Model	A		B	
	inches	mm	inches	mm
WINEFILTER II 6062 HP	62.125	1,578	6.0	152

Membrane Characteristics

KSS WINEFILTER II HP cartridges are crossflow-type filters, in which the feed solution is pumped across the cartridge to minimize solids cake buildup on the membrane. Crossflow filters provide efficient filtration at low operating pressure, allowing long process runs while reducing cleaning time and frequency, and the associated labor costs.

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 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.
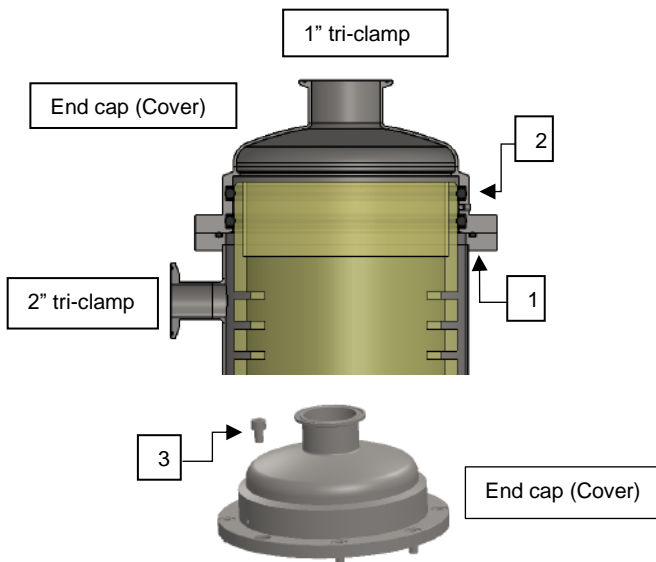
KSS Capability

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.

Pressure Vessel Assembly and Part List:

Item	Quantity	Description	Material
1	2	End cap O-Ring	EPDM
2	4	Cartridge O-Ring	EPDM
3	16	Socket head screws	AISI316

1" tri-clamp

End cap (Cover)

2" tri-clamp

End cap (Cover)