

# WINEFILTER™ II HP 6” Hollow Fiber Cartridges

*Hollow Fiber Crossflow Cartridge Insert for Sparkling Wine Filtration*

## PRODUCT DESCRIPTION

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

## SPECIFICATIONS

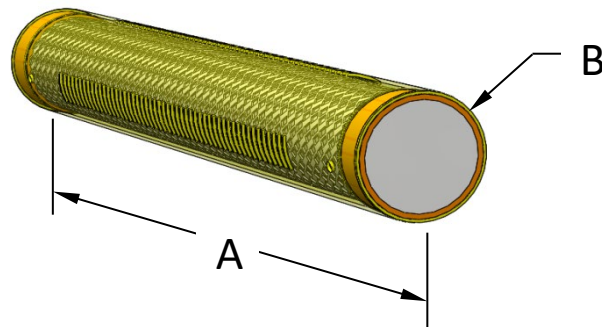
Model	Part Number	Active Membrane Area ft <sup>2</sup> (m <sup>2</sup> )	Fiber Inside Diameter mil (mm)
WINEFILTER II 6062 HP	0720266	185 (17.2)	43 (1.1)

## OPERATING AND DESIGN INFORMATION\*

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

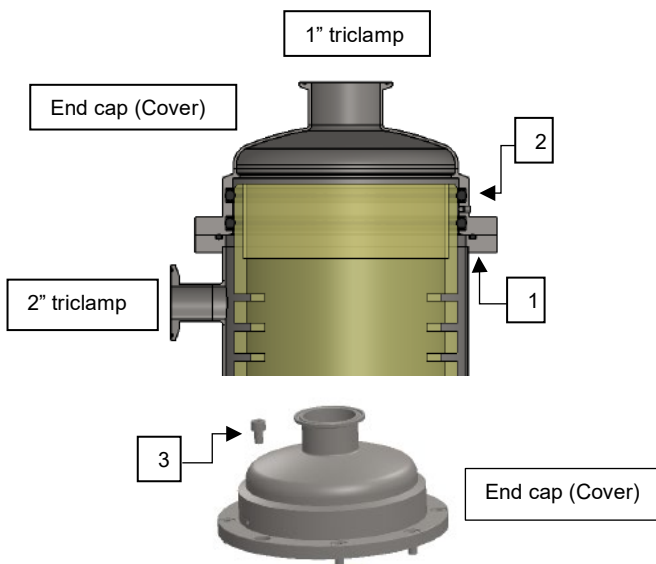
KSS is the leader in crossflow membrane technology, manufacturing reverse osmosis, nanofiltration, microfiltration, and ultrafiltration membranes and membrane systems. The industries served include food, dairy and beverage, pharmaceutical, biotechnology, water and wastewater, semiconductors, automotive, 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**

Koch Separation Solutions, 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 Separation Solutions, Inc. also offers a complete line of KOCHKLEEN® 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



*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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