



# ROMICON® Cartridge: HF 5043-66-45-XM50

Industrial Hollow Fiber Ultrafiltration Module for Wastewater Treatment

## PRODUCT DESCRIPTION

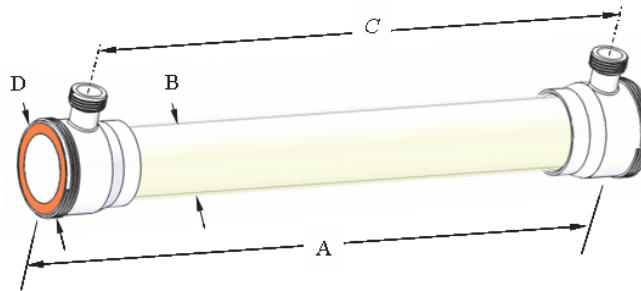
<b>KSS Part Number (KPN):</b>	0720173
<b>Membrane Chemistry:</b>	Acrylonitrile co-polymer
<b>Membrane Type:</b>	XM
<b>Membrane Area:</b>	66 ft <sup>2</sup> (6.1 m <sup>2</sup> )
<b>Molecular Weight Cut-off:</b>	50,000 Dalton (nominal)
<b>Housing Construction:</b>	Polysulfone
<b>Seal:</b>	Epoxy

## OPERATING AND DESIGN INFORMATION\*

<b>Maximum Inlet Pressure:</b>	30 psi @ 77°F (2.1 bar @ 25°C)
<b>Maximum Transmembrane Pressure:</b>	25 psi @ 77°F (2.1 bar @ 25°C)
<b>Maximum Operating Temperature (at pH 8.0):</b>	113°F (45°C)
<b>Maximum Permeate Side Back Pressure:</b>	20 psi (1.4 bar)
<b>Maximum Feed Side Pressure Drop:</b>	25 psi @ 113°F (1.7 bar @ 45°C)
<b>Allowable pH:</b>	1.5 – 13.0 @ 113°F (45°C)

\*Consult KSS Process Technology Group for specific applications.

## NOMINAL DIMENSIONS



A		B		C		D		Permeate Connection	Process Connection
inches	(mm)	inches	(mm)	inches	(mm)	inches	(mm)		
43	(1092)	5.0	(127)	38 5/8	(981)	6.0	(152)	1 1/2" NPSM	6" NPSM



## OPERATING GUIDELINES

**Membrane Incompatibility**

Prior to exposing the membranes to any chemical, the chemical should be reviewed by Koch Separation Solutions, Inc. Aside from the listed chemicals, synthetic coolants, semi-synthetic coolants, kerosene, naphtha, gasoline, floc polymers, etc., may affect membrane performance.

**Chemicals that should be avoided include the following:**

- **Aprotic Solvents** (e.g., Dimethyl Formamide, Dimethyl Acetamide, N-Methyl Pyrolidine)
- **Chlorinated Solvents** (e.g., Methylene Chloride, chloroform, Carbon Tetrachloride)
- **Ketones** (e.g., Acetone, Diacetone Alcohol)
- **Silicones** or Silicone based Defoamers (e.g., Siloxane)

**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.

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Technical Customer Support

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