



# ROMICON<sup>®</sup> CARTRIDGE: HF 5043-66-45-XM50

*Industrial Hollow Fiber Ultrafiltration Module For Wastewater Treatment*

## PRODUCT DESCRIPTION

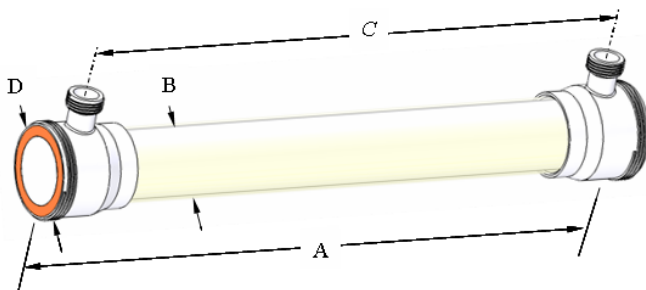
KMS Part Number (KPN):	0720173
Membrane Chemistry:	Acrylonitrile co-polymer
Membrane Type:	XM
Membrane Area:	66 ft <sup>2</sup> (6.1 m <sup>2</sup> )
Molecular Weight Cut-off:	50,000 Dalton (nominal)
Housing Construction:	Polysulfone
Seal:	Epoxy

## OPERATING AND DESIGN INFORMATION\*

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

\* Consult Process Technology Group for specific applications

## PRODUCT DIMENSIONS



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

## MEMBRANE INCOMPATIBILITY

Prior to exposing the membrane to any chemical, the chemical should be reviewed by Koch Membrane Systems. Aside from the listed chemicals below, synthetic coolants, semi-synthetic coolants, kerosenes, naphtha, gasoline, floc polymers may affect membrane performance.

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

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

## 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.

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