

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

Industrial Hollow Fiber Ultrafiltration Module for Wastewater Treatment

PRODUCT DESCRIPTION

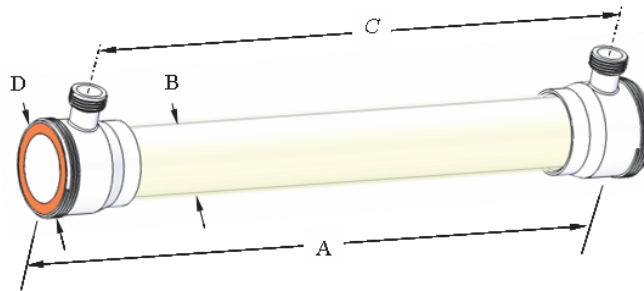
KSS Part Number (KPN):	0720173
Membrane Chemistry:	Acrylonitrile co-polymer
Membrane Type:	XM
Membrane Area:	66 ft ² (6.1 m ²)
Molecular Weight Cut-off:	50,000 Dalton (nominal)
Housing Construction:	Polysulfone
Seal:	Epoxy

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 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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