

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

Industrial Hollow Fiber Ultrafiltration Module for Wastewater Treatment

PRODUCT DESCRIPTION

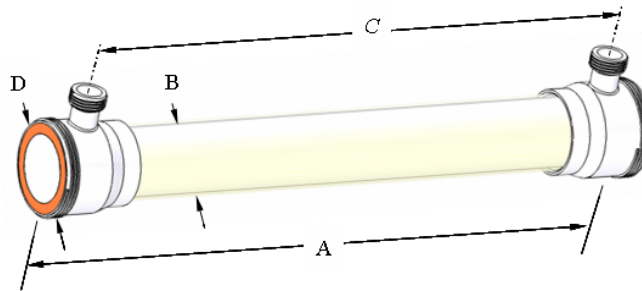
Part Number (KPN):	0720173
Membrane Chemistry:	Acrylonitrile co-polymer
Membrane Type:	XM
Membrane Area:	66 ft ² (6.1 m ²)
Molecular Weight Cut-off:	50,000 Dalton (nominal)
Housing Construction:	Polysulfone
Seal:	Epoxy

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 KSS. 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

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.

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