



ROMICON[®] CARTRIDGE: HF 3043-26.5-45-XM50

Industrial Hollow Fiber Ultrafiltration Module For Wastewater Treatment

PRODUCT DESCRIPTION

KMS Part Number (KPN):	0720126
Membrane Chemistry:	Acrylonitrile co-polymer
Membrane Type:	XM
Membrane Area:	26.5 ft ² (2.5 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 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)

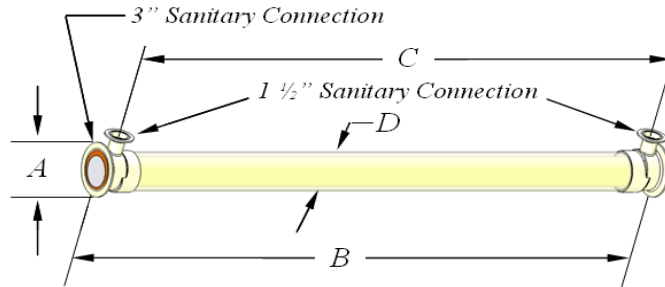
* Consult Process Technology Group for specific applications

FEED FLOW VS. PRESSURE DROP

Circulation Flow	Pressure Drop/Module		
	gpm	m ³ /hr	psi
18	4.08	9.7	0.67
23	5.23	15.0	1.03
28	6.36	23.1	1.59

Data based on water at 77° F and a specific gravity of 1.0. Circulation rates exhibit variances of 15%.

NOMINAL DIMENSIONS



Model	A inches (mm)	B inches (mm)	C inches (mm)	D inches (mm)	Permeate Connection	Process Connection
3043	4.0 (102)	43 (1092)	40 ¹⁵ / ₁₆ (1040)	3 (76)	1½" T/C	3" T/C

MEMBRANE INCOMPATIBILITY

Prior to exposing the membranes to any chemical, the chemical should be reviewed by Koch Membrane Systems, 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 Membrane Systems, Inc. has an experienced staff of professionals available to assist end-users and OEMs with optimization of existing systems and to 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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