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SPIRAPAK™ MODULE: 4038-HFM-183-VPP3

Spiral Ultrafiltration Module for Cathodic Electrocoat Paint

PRODUCT DESCRIPTION

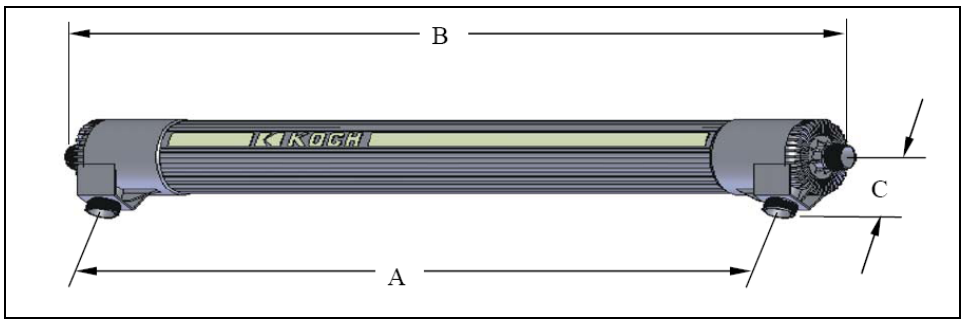
KMS Part Number:	0750781
Membrane Chemistry:	PVDF
Membrane Type:	HFM (positive charge)
Membrane Area:	63 ft² (5.9 m²)
Construction:	Spiral wound element with integrated PVC housing
Seal:	EPDM
Feed Spacer Thickness:	0.046" (1.1 mm)

OPERATING AND DESIGN INFORMATION*

Maximum Inlet Pressure:	80 psi @ 125°F (5.5 bar @ 52°C)
Maximum Operating Temperature:	125°F (52°C)
Allowable pH – Continuous Operation:	3 – 7 @ 125°F (52°C)
Allowable pH – Short Term Cleaning:	2 – 7 @ 125°F (52°C)
Maximum Feed Side Pressure Drop:	40 psi @ 125°F (2.8 bar @ 52°C)
Maximum Permeate Pressure:	5 psi (0.3 bar)

*Consult Process Technology Group for specific information.

NOMINAL DIMENSIONS



A inches (mm)	B inches (mm)	C inches (mm)	Working Weight lbs (kg)	Permeate and Process Connections
49.6 (1,260)	56.4 (1,430)	2.5 (64)	45 (20)	1- ¼ 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)

SPIRAPAK MODULE ASSEMBLY

Item	Description	Qty /Unit	KPN
1	Permeate connection Option #1 – 5/8" OD Rigid Tubing	1	0231208
2	Permeate connection Option #2 – ½" ID Flex hose	1	0231207
3	Permeate connection Option #3 – 1½" Sanitary ferrule	1	0212300
4	Nut	4	0020281
5	Permeate adapter	1	0030375
6	Seal washer	4	0020370
7	Retaining ring	2	0020310
8	Process adapter	2	0216003
9	1½" Sanitary seal	2	0090400
10	1½" Sanitary coupling	1	0210465
11	Process plug	1	0030040

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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