

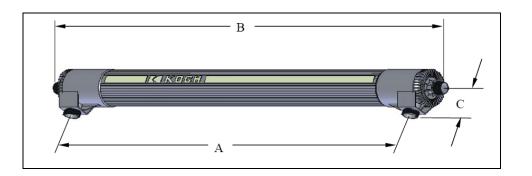
# SPIRAPAK<sup>™</sup> MODULE: 4038-HFM-300-VPP3

Spiral Ultrafiltration Module for Electrocoat Paint

PRODUCT DESCRIPTION	KMS Part Number: Membrane Chemistry: Membrane Type: Membrane Area: Construction: Seal: Feed Spacer Thickness:	0750774 PVDF HFM (neutral charge) 63 ft <sup>2</sup> (5.9 m <sup>2</sup> ) Spiral wound element with integrated PVC housing EPDM 0.046" (1.1 mm)	
OPERATING AND DESIGN INFORMATION*	Maximum Inlet Pressure: Maximum Operating Temperature: Allowable pH – Continuous Operation: Allowable pH – Short Term Cleaning: Maximum Feed Side Pressure Drop: Maximum Permeate Pressure:		80 psi @ 125°F (5.5 bar @ 52°C) 125°F (52°C) 2 – 10 @ 125°F (52°C) 1.5 – 10.5 @ 125°F (52°C) 40 psi @ 125°F (2.8 bar @ 52°C) 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 Ibs (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 – 11/2" 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	11/2" Sanitary seal	2	0090400
10	11/2" 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<sup>®</sup> cleaning chemicals.

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