



# 8” “DROP IN” SPIRAL ELEMENT: 8040-M183-LPHN

## *E-Coat Ultrafiltration Spiral Element*

**PRODUCT DESCRIPTION**

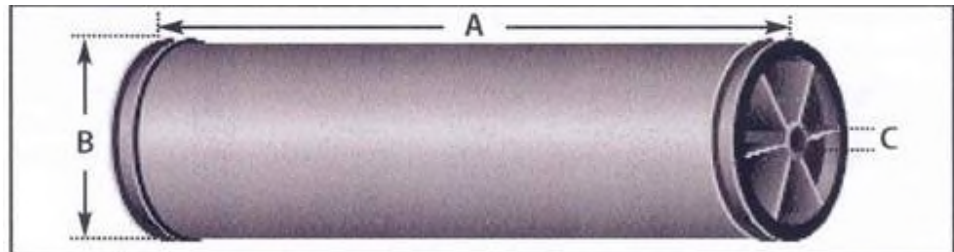
<b>KMS Part Number:</b>	0750770
<b>Membrane Chemistry:</b>	PVDF
<b>Membrane Type:</b>	HFM (Positive charge)
<b>Membrane Area:</b>	288 ft <sup>2</sup> (26.7 m <sup>2</sup> )
<b>Construction:</b>	Spiral wound element with hard overwrap and O-ring seal
<b>Seal:</b>	EPDM
<b>Feed Spacer Thickness:</b>	0.030” (0.76 mm)

**OPERATING AND DESIGN INFORMATION\***

<b>Maximum Inlet Pressure:</b>	80 psi @ 125°F (5.5 bar @ 52°C)
<b>Minimum Outlet Pressure:</b>	10 psi (0.7 bar)
<b>Maximum Operating Temperature:</b>	125°F (52°C)
<b>Allowable pH – Continuous Operation:</b>	2 – 10 @ 125°F (52°C)
<b>Allowable pH – Short Term Cleaning:</b>	1.5 – 10.5 @ 125°F (52°C)
<b>Maximum Feed Side Pressure Drop:</b>	35 psi @ 125°F (2.4 bar @ 52°C)
<b>Maximum Permeate Pressure:</b>	5 psi (0.3 bar)

\* Consult Process Engineering Group for specific information

**NOMINAL DIMENSIONS**



Part Number	Model	A inches (mm)	B* inches (mm)	C inches (mm)
0750770	8040-M183-LPHN	40 (1016)	7.9 (201)	1.29 (32.8)

\* - Element diameter with brine seal is 8.0 inches.

### 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 )

### 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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