

# 8" "Drop In" Spiral Element: 8040-M183-LPHN

## E-Coat Ultrafiltration Spiral Element

### PRODUCT DESCRIPTION

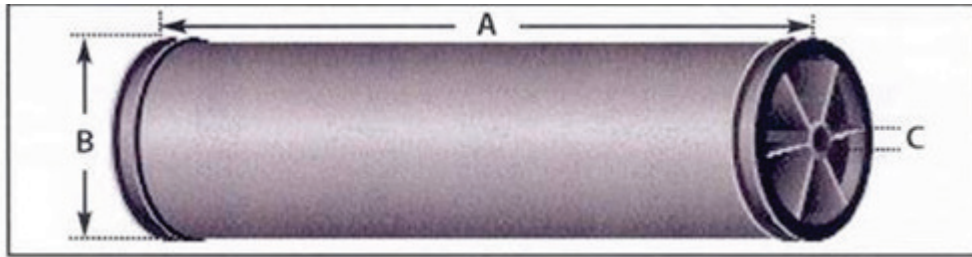
<b>KSS Part Number:</b>	0750770
<b>Membrane Chemistry:</b>	PVDF
<b>Membrane Type:</b>	HFM (Positive charge)
<b>Membrane Area:</b>	288 ft <sup>2</sup> (26.7 m <sup>2</sup> )
<b>Construction:</b>	Spiral wound element with hard overwrap and O-ring seal
<b>Seal:</b>	EPDM
<b>Feed Spacer Thickness:</b>	0.030" (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 KSS Process Technology Group for specific information.

### NOMINAL DIMENSIONS



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

\*Element diameter with brine seal is 8.0 inches.

## OPERATING GUIDELINES

**Membrane Incompatibility**

Prior to exposing the membrane to any chemical, the chemical should be reviewed by Koch Separation Solutions. 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 Separation Solutions, 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 Separation Solutions, Inc. also offers a complete line of KOCHKLEEN® cleaning chemicals.

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