

8" "Drop In" Spiral Element: 7640-M183-LPHN

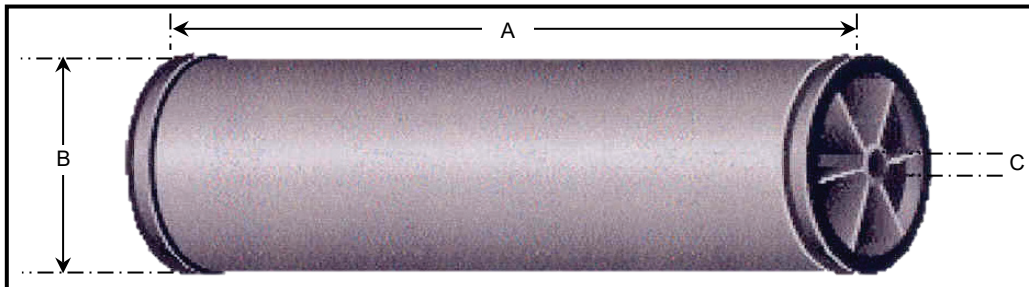
E-Coat Ultrafiltration Spiral Element

PRODUCT DESCRIPTION	
KSS Part Number:	0750769
Membrane Chemistry:	PVDF
Membrane Type:	HFM-183 (Positive Charge)
Membrane Area:	263 ft ² (24.4 m ²)
Construction:	Spiral wound element with hard overwrap and U-cup seal
Seal:	EPDM
Feed Spacer Thickness:	0.030" (0.76 mm)

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

*Consult KSS Process Technology Group for specific information.

NOMINAL DIMENSIONS



Model	Part Number	A		B		C	
		inches	(mm)	inches	(mm)	inches	(mm)
7640-M183-LPHN	0750769	40	(1016)	7.28	(185)	1.29	(32.8)

*Element diameter with brine seal is 7.6 to 7.7 inches, depending on the type of brine seal used.

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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