

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

## Microfiltration Sanitary Spiral Element Series

### PRODUCT DESCRIPTION

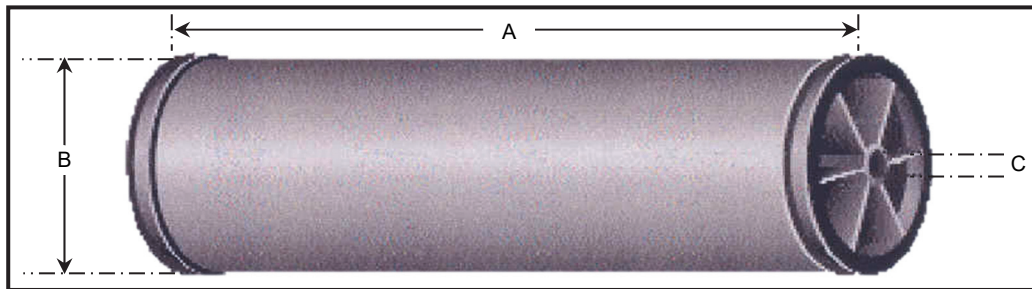
<b>KSS Part Number:</b>	0750791
<b>Membrane Chemistry:</b>	PVDF
<b>Membrane Type:</b>	HFM (Positive charge)
<b>Membrane Area:</b>	330 ft <sup>2</sup> (30.7 m <sup>2</sup> )
<b>Construction:</b>	Spiral wound element with hard overwrap and O-ring seal
<b>Seal:</b>	EPDM
<b>Feed Spacer Thickness:</b>	0.030" (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 applications.

### NOMINAL DIMENSIONS



Model	Part Number	A		B		C	
		inches	(mm)	inches	(mm)	inches	(mm)
8040 PLUS M183-LPHN	0750791	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.

*The information contained in this publication is believed to be accurate and reliable, but is not to be construed as implying any warranty or guarantee of performance. We assume no responsibility, obligation or liability for results obtained or damages incurred through the application of the information contained herein. Refer to Standard Terms and Conditions of Sale and Performance Warranty documentation for additional information*

**Koch Separation Solutions, Inc.** 850 Main Street, Wilmington, MA 01887  
Main: +1-978-694-7000 • Fax: +1-978-657-5208 • Toll Free: +1-888-677-5624

For complete contact information and listing of our global locations, visit [www.kochseparation.com](http://www.kochseparation.com)

©2020 Koch Separation Solutions, Inc. All rights reserved worldwide. For related trademark information, visit [www.kochseparation.com/legal](http://www.kochseparation.com/legal).