

FLANGED END 7533 PLUS HFM-183 ELEMENTS

High Productivity Zero Bypass Ultrafiltration Elements for Electrocoat Paint

PRODUCT DESCRIPTION	Membrane Chemistry:	PVDF
	Membrane Type:	HFM-183 (Positive Charge)
	Construction:	Spiral wound element with hard overwrap and flanged seal
	Seal:	Rubber Gasket

PRODUCT SPECIFICATIONS	Part Number	Description	Active Membrane Area ft ² (m ²)	Feed Spacer mil (mm)
	0700785	7533 PLUS M183-VPF	203 (18.9)	43 (1.1)
0700777	7533 PLUS M183-LPF	285 (26.5)	30 (0.8)	

OPERATING & DESIGN INFORMATION*	Maximum Inlet Pressure:	80 psi @ 125°F (5.5 bar @ 52°C)
	Minimum Outlet Pressure:	15 psi (1 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:	30 psi @ 125°F (2.07 bar @ 52°C)
	Maximum Permeate Pressure:	5 psi (0.3 bar)

* Consult KMS Process Technology Group for specific applications.

NOMINAL DIMENSIONS	Nominal Outside Diameter inches (mm)	Nominal Length inches (mm)	Permeate Tube Outside Diameter inches (mm)
		7.49 (190)	39.3 (998)

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, flocculation 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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For related trademark information, visit www.kochmembrane.com/legal

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