

10" KPAK[®] PLUS Module

High Productivity Zero Bypass Ultrafiltration Spiral Module for Electrocoat Paint

PRODUCT DESCRIPTION

Membrane Chemistry:	PVDF
Membrane Type:	HFM-183 (Positive Charge)
Construction:	Spiral wound element with integrated PVC housing
Seal:	EPDM

NOMINAL SPECIFICATIONS

Part Number	Model	Feed Spacer mil (mm)	Membrane Area ft ² (m ²)
0750790	KPAK PLUS 10738-M183-LPP	30 (0.8)	512 (47.6)

OPERATING AND DESIGN INFORMATION*

Maximum Inlet Pressure at Temperature:	80.0 psi @ 100° F (5.5 bar @ 37 °C)
Maximum Inlet Pressure at Temperature:	56.0 psi @ 120° F (3.9 bar @ 49 °C)
Maximum Operating Temperature at Pressure:	125° F @ 49 psi (51.6 °C @ 3.4 bar)
Minimum Outlet Pressure:	10.0 psi (0.70 bar)
Maximum Permeate Side Back Pressure:	5.0 psi (0.34 bar)
Maximum Feed Side Pressure Drop:	35.0 psi @ 125° F (2.4 bar @ 51.6° C)
Allowable pH – Continuous Exposure:	2.0 – 10.0 pH @ 125 °F (51.6 °C)
Allowable pH – Short Term Exposure:	1.5 – 10.5 pH @ 125 °F (51.6 °C)

*KSS must review operating and cleaning conditions for all new plants and any changes to existing plants

FEED FLOW VS. PRESSURE DROP (TYPICAL)*

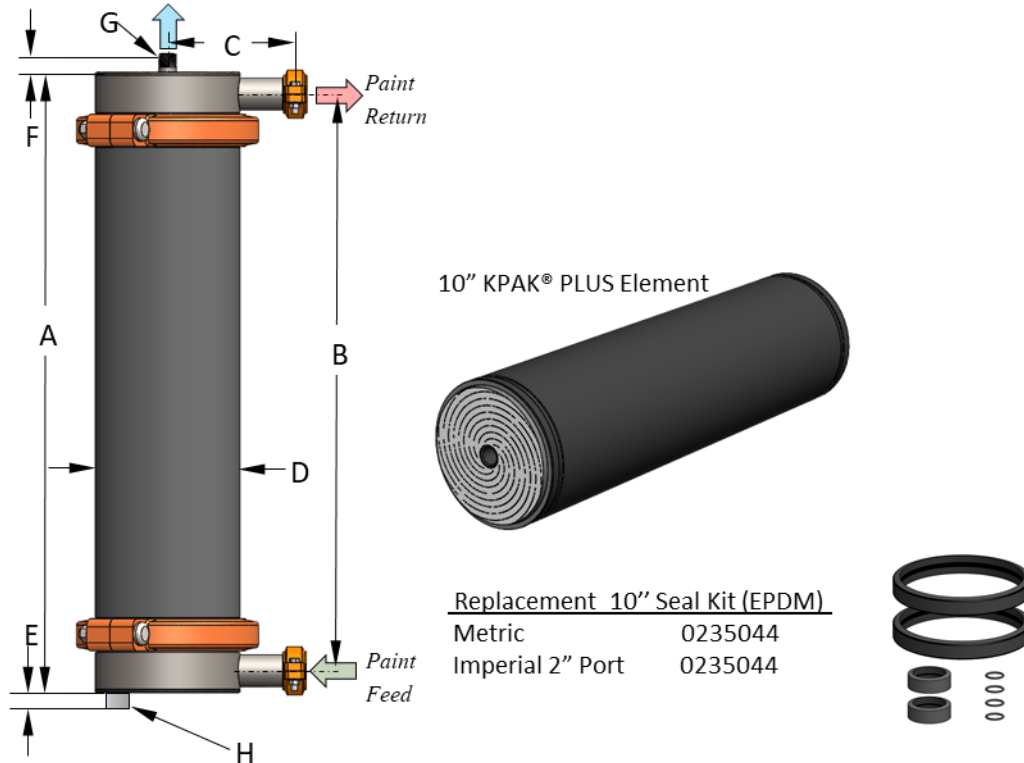
Circulation Flow		Pressure Drop	
gpm	m ³ /hr	psi	bar
97	21.6	25	1.7
109	24.3	30	2.1
117	26.1	35	2.4

*Data are based on water @ 77°F and a specific gravity of 1.0. Circulation rates exhibit variances of + 15%.

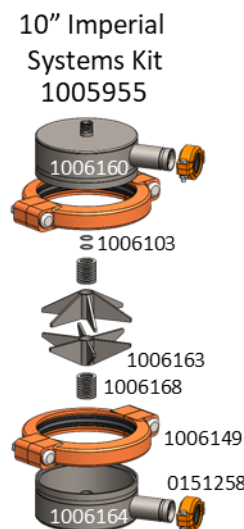
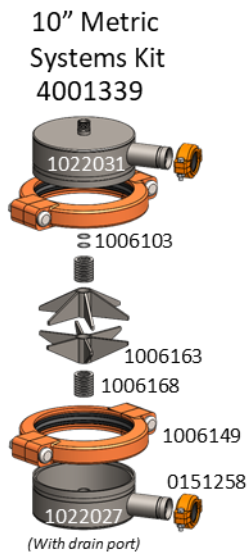
NOMINAL DIMENSIONS

Element Length:	38.0 in (965 mm)
Element O.D.:	10.75 in (273.1 mm)
Permeate Tube I.D.:	1.3 in (33.0 mm)
Element Shipping Weight:	95 lbs (43 kg)
Element Working Weight:	150 lbs (68.2 kg)

OPERATING GUIDELINES



MODEL	A	B	C	D	E	F	G	H
Metric (mm)	1,167	1,086	241	273	28	28	1" MBSPTG	1/2" FBSP
Imperial (inch)	46	42 3/4	9 1/2	10 3/4	N/A	1 1/4	1" MNPT	N/A



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