

KÖHLER

Spiral E-Coat Ultrafiltration Membrane Element

Model: KM-UF 10040-SEP

➤ **APPLICATION** Electrocoating paints recover in automobile, other industries

PRODUCT DESCRIPTION	Membrane Chemistry:	Polyvinylidene Fluoride (PVDF)
	Backing Material:	Polyester
	Permeate Tube:	Unplasticized Polyvinyl Chloride (UPVC)
	Inlet/Outlet End Cap:	304 SS
	10" Coupling	304 SS
	10" Gasket Victaulic:	EPDM
	Construction:	Spiral wound element with integrated PVC housing
	Active Area	455ft ² (42.0m ²)
OPERATION SPECIFICATIONS	Maximum Inlet Pressure:	65 psi (4.4 bar)
	Minimum Outlet Pressure:	10 psi (0.7 bar)
	Recommended Inlet Pressure:	44-60 psi (3.0-4.1 bar)
	Recommended Outlet Pressure:	15-40 psi (1.0-2.7 bar)
	Maximum Permeate Side Back Pressure:	4.4 psi (0.3 bar)
	Maximum Feed Side Pressure Drop:	36 psi (2.5 bar)
	Maximum Operating Temperature:	122° F (50° C)
	Allowable pH – Continuous Operation:	2.0-10.0
DESIGN PARAMETERS	Feed:	98-125 gpm (360-460lpm)
	Permeate Flow on Fresh Lab Paint Baths	4.6-7.1 gpm (16.9-27lpm)
	*Above data are based on water @77° F (25° C) and a speci of 1.0.	
REPLACEMENTS REFERENCE	Koch 10738 M-183-LPP; Koch 10738 M-300-LPP; Consult Process Engineering Group for specific information.	

Permeate Tube I.D.: 1.3 in (33.0 mm)

DIMENSUONS:

Model	A inches (mm)	B inches (mm)	C inches (mm)	D inches (mm)
KM-UF 10040-SEP	42.75 (1086)	46.10 (1171)	10.75 (273)	38.0 (965)

