

UNISOL E-Coat Modules

U-coat 8" Membrane Modules

Description	UNISOL U-coat is a Polyvinylidene Flouride membrane that is suited for process separations. Especially for E-coat application, U-coat 8" membrane modules show excellent performance for different kinds of paints.			
Characteristics	Membrane Chemistry	Polyvinylidene Flouride (PVDF)		
	Nominal MWCO	80,000 Daltons		
	Material for pressure vessel	PVC		
	O-ring	EPDM		
	Inner connectors	Refer to the list of spare parts		
Recommended operating condition	Max. Feed pressure	5.5 bar at 50°C		
	Min. Outlet pressure	0.7 bar		
	Max. Operating temperature	50°C		
	Max. Permeate pressure	0.25bar		
	Max. pressure loss	2.4 bar		
	pH Range (Long term)	2.0 - 10.0		
	pH Range (short term)	1.5 - 10.5		
Feed flow	Circulation flow (m3/hr)	14.1	15.9	17.0
VS pressure loss	Pressure loss (bar)	1.7	2.1	2.4
Membrane effective Area	Model type	Article number	Area ft ² (m ²)	
	U-coat 8"	91113002	344 (32)	

Dimensions



Length (mm)	Diameter (mm)	ID for permeate tube (mm)	Dry weight (kg)	Wet weight (kg)
997	223	33mm	22.68	40.82

⁽¹⁾ For the purpose of improvement, specifications may be updated periodically

⁽²⁾ Consult UNISOL Membrane Technology when intend to operate at elevated pressure, temperature, concentrations.

List of spare parts

#	Parts	Material	Item	Quantity
1	Upper end cap	SUS304	72010021	1
2	Lower end cap	SUS304	72010022	1
3	Lip seal	EPDM	71210020	6
4	8" clamp	SUS304	72015002	2
5	Membrane module	/	91113002	1
6	Adaptor	PVC	71160007	1
7	Adaptor	PVC	71160006	1
8	1 1/2" clamp	SUS304	72015001	2

Integrated Membrane Module

