

AVENTURA

► Components Are Everything



* Ready Stock Available

HYDRANAUTICS
Nitto Group Company

REVERSE OSMOSIS MEMBRANES (8" Membranes)

DESCRIPTION

Hydranautics is one of the global leaders and a trusted brand in the field of membrane technology. Through its continuous commitment to unique membrane based technology, innovation & product excellence, Hydranautics offer high performance membrane solutions.

Aventura is an authorize seller of entire membranes range offered by Hydranautics, these membrane elements set a new standard for high performance with high rejection and lower fouling, used extensively in municipal and industrial water and wastewater treatment.

FEATURES

- » Up to 99.8% nominal salt rejection
- » High TOC, silica and hardness rejection
- » Low biological and colloidal fouling
- » High permeate flow
- » Low operating pressure
- » Low energy consumption
- » Lower cleaning frequency and costs
- » LD technology involves innovative brine spacer design

APPLICATIONS

- » Desalting of well waters for municipal drinking water supplies
- » Production of boiler make-up water for power plants
- » Municipal wastewater plants
- » Industrial surface and wastewaters
- » Seawater desalting

AVAILABLE MODELS

- » CPA2, ESPA, CPA5LD, SWC

TECHNICAL SPECIFICATIONS

Model		Units	ESPA2 - LD	ESPA2 - MAX	CPA2	CPA3	CPA5 - LD	LFC3 - LD	SWC5 - LD
Specification									
Specification	Permeate Flow	gpd (m ³ /d)	10000 (37.9)	12000 (45.4)	10000 (37.9)	11000 (41.6)	11000 (41.6)	11000 (41.6)	9000 (34.1)
	Salt Rejection	%	99.6 (99.5% Minimum)	99.6 (99.5% Minimum)	99.7 (99.5% Minimum)	99.7 (99.6% Minimum)	99.7 (99.6% Minimum)	99.7 (99.5% Minimum)	99.8 (99.7% Minimum)
Type	Configuration		Low Fouling Spiral Wound	Spiral Wound	Spiral Wound	Spiral Wound	Low Fouling Spiral Wound	Low Fouling Spiral Wound	Low Fouling Spiral Wound
	Membrane Material		Composite Polyamide	Composite Polyamide	Composite Polyamide	Composite Polyamide	Composite Polyamide	Composite Polyamide Neutrally Charged	Composite Polyamide
	Membrane Area	m ²	400 (37.1)	440 (40.8)	365 (33.9)	400 (37.1)	400 (37.1)	400 (37.1)	400 (37.1)
Application Limits	Maximum Applied Pressure	psig (MPa)	600 (4.16)	600 (4.16)	600 (4.16)	600 (4.16)	600 (4.16)	600 (4.16)	1200 (8.27)
	Maximum Chlorine Concentration	ppm	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	Maximum Operating Temperature	F (C)	113 (45)	113 (45)	113 (45)	113 (45)	113 (45)	113 (45)	113 (45)
	pH range, continuous cleaning		2 to 11	2 to 10.6	2 to 10	2 to 10.8	2 to 11	2 to 10	2 to 11
	Maximum Feedwater Turbidity	NTU	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	Maximum feedwater SDI (15 mins)		5.0	5.0	5.0	5.0	5.0	5.0	5.0
	Maximum Feed Flow	gpm (m ³ /h)	75 (17)	75 (17)	75 (17)	75 (17)	75 (17)	75 (17)	75 (17)
	Maximum Pressure Drop for each element	psi	10	10	10	10	10	10	10

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