



## Hydranautics Membranes

Part Number	Size (inches) Diam x Length	Square Feet	Test PSI	Flow GPD	Stabilized Rejection	Quality Pricing (each)			
						1 TO 5	6 TO 11	12 TO 24	25+
CPA-4040E	4.0 x 40	65	225	2,250	99.5%	\$	\$	\$	\$
CPA2-4040	4.0 x 40	85	225	2,250	99.5%	\$	\$	\$	\$
CPA5-LD-4040	4.0 x 40	80	225	2,100	99.7%	\$	\$	\$	\$
CPA2-8	8.0 x 40	365	225	10,000	99.7%	\$	\$	\$	\$
CPA3-8	8.0 x 40	400	225	11,000	99.7%	\$	\$	\$	\$
CPA5-LD	8.0 x 40	400	225	11,000	99.7%	\$	\$	\$	\$
CPA5 MAX	8.0 x 40	440	225	12,000	99.7%	\$	\$	\$	\$
CPA6-LD	8.0 x 40	400	225	8,000	99.8%	\$	\$	\$	\$
CPA6 MAX	8.0 x 40	400	225	8,800	99.7%	\$	\$	\$	\$
CPA7-LD	8.0 x 40	400	225	11,500	99.8%	\$	\$	\$	\$
CPA7 MAX	8.0 x 40	400	225	12,600	99.8%	\$	\$	\$	\$
ESNA1-LF-LD-4040	4.0 x 40	80	75	1,600	92.0%	\$	\$	\$	\$
ESNA1-LF2-LD-4040	4.0 x 40	80	75	2,000	86.0%	\$	\$	\$	\$
ESNA1-LF-LD	8.0 x 40	400	75	8,200	89.0%	\$	\$	\$	\$
ESNA1-LF2-LD	8.0 x 40	400	75	10,500	86.0%	\$	\$	\$	\$
ESPA50	1.8 x 12	-	65	50	99.0%	\$	\$	\$	\$
ESPA75	1.8 x 12	-	65	75	98.5%	\$	\$	\$	\$
ESPA-2514	2.5 x 14	5	150	250	99.4%	\$	\$	\$	\$
ESPA-2521	2.5 x 21	12	150	350	98.0%	\$	\$	\$	\$
ESPA-2540	2.5 x 40	25	150	750	98.0%	\$	\$	\$	\$
ESPA-4014	4.0 x 14	17	150	500	99.4%	\$	\$	\$	\$
ESPA-4021	4.0 x 21	28	150	1,000	99.4%	\$	\$	\$	\$
ESPA-4611	4.6 x 11	31	150	930	99.4%	\$	\$	\$	\$
ESPA1-4040	4.0 x 40	85	150	2,600	99.0%	\$	\$	\$	\$

ESPA2-4040	4.0 x 40	85	150	1,900	99.6%	\$	\$	\$	\$
ESPA2-LD-4040	4.0 x 40	80	150	2,000	99.6%	\$	\$	\$	\$
ESPA3-4040	4.0 x 40	85	150	3,000	98.5%	\$	\$	\$	\$
ESPA4-LD-4040	4.0 x 40	80	100	2,350	99.2%	\$	\$	\$	\$
ESPA1-7	8.0 x 40	400	150	12,000	99.0%	\$	\$	\$	\$
ESPA2-7	8.0 x 40	400	150	9,000	99.6%	\$	\$	\$	\$
ESPA2-LD	8.0 x 40	400	150	10,000	99.6%	\$	\$	\$	\$
ESPA2 MAX	8.0 x 40	440	150	12,000	99.6%	\$	\$	\$	\$
ESPA2-LD MAX	8.0 x 40	440	150	12,000	99.6%	\$	\$	\$	\$
ESPA3-7	8.0 x 40	400	150	14,000	98.5%	\$	\$	\$	\$
ESPA4-LD	8.0 x 40	400	100	12,000	99.2%	\$	\$	\$	\$
ESPA4 MAX	8.0 x 40	440	100	13,200	99.2%	\$	\$	\$	\$

**CPA** (composite Polyamide) for Brackish water: high flows at low pressure

- typical applications: desalting of well waters for municipal drinking water supplies, reducing TDS prior to ion-exchange, producing boiler make-up water for power plants; the CPA4 has been used to treat blow-down from power plants

**ESNA** (Energy Saving Nanofiltration): high flow at low feed pressure

- effectively rejects hardness, iron, color and tri-halomethane (THM) precursors from low TDS water
- ideal for removal of organics, bacteria, or viruses
- ESNA1 is a nanofilter which achieves 80% NaCl rejection
- good on feedwater with high iron and hardness

**ESPA** (Energy Saving Polyamide): high flows at low pressure

- useful where energy is expensive or where cold water and/or high TDS require high pressure
- typical applications: municipal drinking water plants, bottling operations, and light industrial uses
- ESPA1 is best on water with TDS from 1000 to 2000 ppm
- ESPA2 is best on brackish water (TDS >2000 ppm)
- useful for nitrate removal or prior to ion exchange
- ESPA3 is best on water with TDS <1000 ppm
- ESPA4 is best for low pressure applications

**HYDRAcap**: ultrafiltration -- for removal of viruses and other pathogens from surface water

**LFC** (Low Fouling Composite polyamide)

- flow and operating pressure is comparable to CPA2 elements
- has cationic (positive) charge; rejection varies with type and concentration of feed solute
- flux can be restored after cleaning

**SanRO**: Heat Sanitizable Sanitary Membranes (also available in CPA3, CPA4, ESPA2, and LFC3 styles)

**SWC**: (Sea Water