

Hydrocomponents and Technologies, Inc.

GE Osmonic Desal Membranes

Brackish Water Desalination (Low Energy)

The A-Series, family of proprietary thin-film reverse osmosis membrane elements are characterized by high flux and excellent sodium chloride rejection. AK Low Pressure Brackish Water Elements are selected when high rejection and low operating pressures are desired. These elements allow significant energy savings since good rejection is achieved at operating pressures as low as 100 psig (689 kPa). AK2514TF Low Pressure Brackish Water elements feature a tape outerwrap and 28 mil feed spacers. This element is designed with male end connections.

Model	Flow	Active Area	Avg. Rej.	Min. Rej.	Part Number
AK2514TF	170 GPD (0.6 m ³ /d)	6ft ² (0.6 m ²)	99.00%	98.00%	1220798
AK2521TF	325 GPD (1.2 m ³ /d)	12ft ² (1.2 m ²)	99.00%	98.00%	1206799
AK2526TF	470 GPD (1.8 m ³ /d)	17 ft ² (1.6 m ²)	99.00%	98.00%	1223315
AK2540FF	710 GPD (2.7 m ³ /d)	29 ft ² (2.7 m ²)	99.00%	98.00%	1206800
AK2540TF	710 GPD (2.7 m ³ /d)	27 ft ² (2.5 m ²)	99.00%	98.00%	1206802
AK3218T	755 GPD (2.9 m ³ /d)	29 ft ² (2.7 m ²)	99.00%	98.00%	1206803
AK3308T	320 GPD (1.2 m ³ /d)	12 ft ² (1.2 m ²)	99.00%	98.00%	1226806
AK4014TF	585 GPD (2.2 m ³ /d)	21 ft ² (2.0 m ²)	99.00%	98.00%	1220979
AK4021TF	1,050 GPD (4.0 m ³ /d)	42 ft ² (3.9 m ²)	99.00%	98.00%	1206812
AK4040C	2,475 GPD (9.4 m ³ /d)	95 ft ² (8.8 m ²)	99.00%	98.00%	1223696
AK4040CF	2,350 GPD (8.9 m ³ /d)	90 ft ² (8.4 m ²)	99.00%	98.00%	1227885
AK4040FF	2,200 GPD (8.3 m ³ /d)	85 ft ² (7.9 m ²)	99.00%	98.00%	1206813
AK4040FF-CERT	2,200 GPD (8.3 m ³ /d)	85 ft ² (7.9 m ²)	99.00%	98.00%	1231655
AK4040NF	2,200 GPD (8.3 m ³ /d)	85 ft ² (7.9 m ²)	98.50%	98.00%	1231787
AK4040TF	2,200 GPD (8.3 m ³ /d)	89 ft ² (8.3 m ²)	99.00%	98.00%	1206816
AK8040C	9,900 GPD (37.5 m ³ /d)	380 ft ² (35.3 m ²)	99.00%	98.00%	1206819
AK8040F	9,200 GPD (34.8 m ³ /d)	365 ft ² (33.9 m ²)	99.00%	98.00%	1206820
AK8040F-400	10,500 GPD (39.7 m ³ /d)	400 ft ² (37.2 m ²)	99.00%	98.00%	1206821
AK8040F-400-CERT	10,500 GPD (39.7 m ³ /d)	400 ft ² (37.2 m ²)	99.00%	98.00%	1231656
AK8040N	9,200 GPD (34.8 m ³ /d)	350 ft ² (32.5 m ²)	98.50%	98.00%	1231788
AK8040N-400	10,500 GPD (39.7 m ³ /d)	400 ft ² (37.2 m ²)	98.50%	98.00%	1231789

Specifications are based on a 500 mg/L NaCl solution at 115 psig operating pressure (793 kPa), 77°F (25°C), 15% recovery, pH 7.5 after 24 hours. Individual flux may vary +25%/-15%.

01/02/08