

Hydrocomponents and Technologies, Inc.

GE Osmonic Desal Membranes

Seawater Desalination

The A-Series, family of proprietary thin-film reverse osmosis membrane elements are characterized by high flux and excellent sodium chloride rejection. AD High Rejection Seawater Elements are selected when extremely high quality permeate is demanded from seawater that is relatively high in TDS. These elements provide excellent rejection characteristics when operated at pressures exceeding 800 psi (5,516 kPa) and elevated seawater temperature conditions. AD8040F High Rejection Seawater elements feature a FRP outerwrap and 27 mil feed spacers. This element is designed with flush end connections.

Model	Flow	Active Area	Avg. Rejection	Min. Rejection	Part Number
AD2540FF	380 GPD(1.4 m ³ /d)	26ft ² (2.4 m ²)	99.60%	99.20%	1223377
AD4040FF	1250 GPD(4.7 m ³ /d)	88ft ² (8.2 m ²)	99.60%	99.20%	1223378
AD8040F	5500 GPD(20.8 m ³ /d)	375ft ² (34.8 m ²)	99.60%	99.20%	1223381

Specifications are based on a 32000 mg/L NaCl solution at 800 psig feed pressure (5516kPa), 77°F,(25°C), 7% recovery, pH 7.5 after 24 hours. Individual flux may vary +25%/ -15%.