

Brackish Water Membrane Products - GE WATER & PROCESS TECHNOLOGY

Thermax Description	GE Model No.	Nominal Active Surface Area ft ² (m ²)	Permeate Flow Rate gpd (m ³ /d)	Applied feed Pressure bar (psig)	Average Salt Rejection NaCl (%)	Single Element Membrane Dia mm (inches)	Single Element Permeate Tube Dia mm (inches)	Feed Spacer Thickness (mil)
TCDM 80	AG 8040 F	365 (33.9)	10,000 (37.9)	15.5 (225)	99.5	200 (7.88)	29 (1.125)	31
TCDM 81	AG 8040 F 400	400 (37.2)	11,000 (41.6)	15.5 (225)	99.5	200 (7.88)	29 (1.125)	27
TCDM 40	AG 4040 FM	85 (7.9)	2200 (8.3)	15.5 (225)	99.5	99 (3.88)	19 (0.75)	27
TCDM 41	AK 4040 FM	85 (7.9)	2200 (8.3)	7.93 (115)	99	99 (3.88)	19 (0.75)	27

(We honor any specific requirements apart from the above stated models)



Standard Test Conditions

- Solute : Sodium Chloride (NaCl)
- TDS (ppm) : 2000 (500*)
- Feed Pressure (psi) : 225 (115*)
- Temperature (°C) : 25
- pH : 7.5
- Recovery (%) : 15

Operating Limits

- Membrane Type : Thin Film Membrane (TFM®)
- Maximum Operating Pressure (psi) : 600 (400*)
- Maximum Operating Temperature (°C) : 50
- Maximum Pressure Drop : 10 psig (69 kPa) per element
: 60 psig (345 kPa) per vessel
- Optimum rejection pH : 7.0-7.5
- Operating pH range : 4.0-11.0
- Cleaning pH range : 2.0-11.5
- Free Chlorine Tolerance (ppm-hours) : 1000, Dechlorination recommended
- Typical Operating Flux (LMH) : 15-35
- Maximum Feed Turbidity (NTU) : < 1
- Maximum Feed SDI : < 5

* for AK 4040 FM