

Encapsulated Membrane Elements

GE Water & Process Technologies offers a complete line of encapsulated membranes for use in residential and light commercial applications.

- Color-coded ports and quick connect fittings for proper and easy connection to an existing system.
- Built-in permeate check valve on all models eliminates the need for additional fittings and reduces potential water leaks within the system.
- Models available with encapsulated concentrate flow control for easy, direct replacement on any unit made by any system maker.
- A wide variety of product water flow ranges allows for many residential and commercial applications.

Specifications

Dimensions	→ 13.25-inch L x 2.5inch W (33.7 cm x 6.4 cm)
Materials	→ Polypropylene
Maximum Temperature	→ 120°F (48.9° C)
Maximum Pressure	→ 90 psi (6.2 bar)
Feed, Concentrate and Product Water Connections	→ 1/4-inch Quick Connect

Encapsulated Models

Model Number	Part Number	Average NaCl Rejection (%)	Permeate Flow* gpd @ 65 psi
TFM-18EN ¹	1220542	98.0	18
TFM-24EN ¹	1223056	98.0	24
TFM-36EN ¹	1220541	98.0	36
TFM-50EN ¹	1220538	98.0	50
TFM-75EN ^{1,2}	1220539	96.0	75
TFM-100EN ^{1,2}	1225828	96.0	100
TLC-150EN	1224409	93.0	150

¹ ANSI/NSF 58 listed for material safety and structural integrity.

² ANSI/NSF 58 listed for performance.

*Permeate flow specifications are based on 500 mg/L NaCl solution at 65 psi (4.5 bar) inlet pressure, 77°F (25°C), 15% recovery after 24 hours. Individual element flux may vary ±15%.



COMPONENTS

Encapsulated Models with Concentrate Flow Control

Model Number	Part Number	Average NaCl Rejection (%)	Permeate Flow* gpd @ 65 psi
TFM-18EB ^{1,2}	1220545	98.0	18
TFM-24EB ^{1,2}	1220537	98.0	24
TFM-36EB ^{1,2}	1220549	98.0	36
TFM-50EB ^{1,2}	1220536	98.0	50
TFM-75EB ^{1,2}	1223077	96.0	75
TFM-100EB ^{1,2}	1238189	96.0	100
TLC-150EB	1234408	93.0	150

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