Product Specifications

Household Reverse Osmosis Membrane Series

E-MEM commercial membrane components are mainly used in various household water purifiers, mineralized direct drinking machines and other small systems.

Description

Product characteristics

1 High recovery rate to help consumers save water costs.
2 High performance and long element life.
3 Shipped dry for long shelf life.
4 OEM&ODM are available.

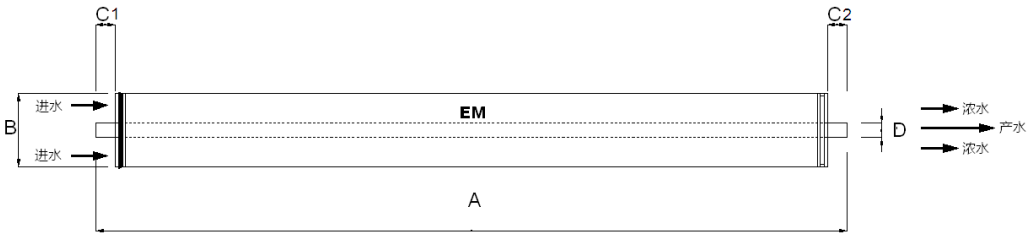
Product Type Spiral-wound element with polyamide thin-film composite membrane

Product Specifications

E-MEM® Element	Active Area ft^2 （m^2）	Permeate Flow GPD （m^3/d）	Testing Pressure psi/MPa	Salt Rejection （%）
EM-RO-2540-ULP	30.0 (2.8)	750 (2.8)	150 (1.03)	99.0

1. Permeate flow and salt (NaCl) rejection based on the following standard test conditions. 1000 ppm NaCl, 77°F (25°C), pH 7.5, 15% recovery.
2. Minimum salt rejection:98.5%.
3. Single membrane element production flow may vary ±20%.

Element Dimensions



E-MEM® Element	A(±2.0mm)	B(±1.0mm)	C1(±1.0mm)	C2(±1.0mm)	D(±0.1mm)
	（mm）	（mm）	（mm）	（mm）	（mm）
EM-RO-2540-ULP	1016	61	30.2	30.2	19.1

Operating limit

Diaphragm type	Polyamide Composite Membrane
Maximum operating temperature	113℉（45℃）
Maximum operating pressure	300 psi（2.07Mpa）
pH range, continuous operation	3-10 [a]
PH，feed water during chemical cleaning	2-12
Maximum Influent SDI	5
Free chlorine tolerance	<0.1 ppm [b]

a When pH > 10, the maximum allowable temperature for continuous operation is 95℉（35℃）.

b Under certain conditions, the presence of free chlorine and other oxidants will lead to premature failure of membranes. Therefore, it is recommended that the membrane be pretreated to remove residual free chlorine before water comes into contact with membranes.

Operation guide

- The product water should be released within the first hour.
- Once the membrane element is wetted, it should always remain wet.
- Users should be responsible for the effects of incompatible chemicals and lubricants on membrane components.
- Back pressure should be avoided at all times.

Warranty Statement

When the use and operation parameters of the product are refused or not provided to E-MEM, the buyer waives all other terms and conditions of quality assurance except that the terms of material, manufacturing and initial performance assurance are still valid.

Essential insurance clause excludes any indirect, joint and several, special, punitive and punitive liability for damages

Important hints

The use of E-MEM products does not guarantee the removal of cysts and pathogens in water. The effective removal rate of cysts and pathogens depends on the design and operation of the whole system.