

BEYOND INNOVATION
AHEAD OF EXPECTATIONS

CSM[®]



MEMBRANE SELECTION GUIDE FOR
RESIDENTIAL APPLICATIONS



INNOVATIVE thinking is rooted in our products. Led by creative R&D practices and state-of-the-art manufacturing capabilities, recognizing the diverse needs of the water treatment market helps us develop the next technology.



» **CSM CRM (Chlorine Resistant Membrane)**

With four times the endurance to chlorine than standard reverse osmosis membranes, CSM CRM helps simplify the maintenance and operation of RO systems by reducing the need for pre- and post carbon filters.

**Chlorine Resistant Membrane water purification unit is U.S. patented under Reverse Osmosis Water Purifier Having Simple Filter Configuration (Patent no. 20100116731)*

simplify your system with CSM CRM

FLEXIBLE solutions are within reach. We have the technical and manufacturing capabilities to meet the needs of custom requests, and is what makes us stand out in the market.



» **Elements available in various performances and sizes**

From low pressure membranes (20 psi) to customized 1.5 and 2.8-inch sizes, CSM's manufacturing and technical expertise in the membrane field yields outside of the box results.

custom element construction available

ECONOMICAL results are what customers can expect by using our products. CSM low pressure membranes offer extra energy-savings and can be shipped dry for a longer shelf-life.



get great tasting water at low costs with CSM

CSM MEMBRANES EXCEEDS WHAT YOU EXPECT
GLOBAL MARKET LEADER
in Residential RO Elements!

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MEMBRANE TECHNOLOGIES

RO MEMBRANES FOR HOME DRINKING WATER

Engineered to fit a wide range of point-of-use systems, CSM Residential Membrane Elements are available in various performances and sizes.



Woongjin Chemical is listed by NSF International. Inquire about our complete listing of NSF Certified products or search the NSF listings site at www.nsf.org.

Model Name	Permeate Flow Rate (GPD)	NaCl Rejection (%)	Diameter (inch)	Length (inch)
◇ 60 psi				
RE1508-35	35	98.0	1.5	8
RE1812-24	24	98.0	1.8	12
RE1812-35	35	98.0	1.8	12
RE1812-50	50	98.0	1.8	12
RE1812-60	60	98.0	1.8	12
RE1812-80	80	98.0	1.8	12
RE1812-CE50	50	98.0	1.8	12
RE1812-CE60	60	98.0	1.8	12
RE2012-100	100	98.0	2.0	12
RE2812-300	300	98.0	2.8	12

Performance data obtained through the following test conditions (30 min. of operation): 200 mg/L NaCl; 60 psi; 77° F (25° C); pH 6.5–7.0; 10–20% recovery

◇ 20 psi				
RE2012-LPF	60 (180 at 60 psi)	93.0	2.0	12
RE2012-LP	50 (150 at 60 psi)	93.0	2.0	12

Performance data obtained through the following test conditions (30 min. of operation): 100 mg/L NaCl; 20 psi; 77° F (25° C); pH 6.5–7.0; 10–20% recovery

◇ Nanofiltration				
NE1812	80	40.0 – 60.0	1.8	12

Performance data obtained through the following test conditions: 250 mg/L NaCl; 60 psi; 77° F (25° C); pH 6.5–7.0; 15% recovery

◇ Ultrafiltration				
UE1810	200	100K MWCO	1.8	10
UE2012	450	100K MWCO	2.0	10
UE1812	250	100K MWCO	1.8	12

Performance data obtained through the following test conditions (30 min. of operation): Pure water (2 MΩ); 20 psi; 77° F (25° C); pH 6.5–7.0; 100% recovery

- All CSM dry-type RO membrane elements are integrity tested (ASTM International Designation D 3923-94)
- Only use RO membranes with known sources of municipal tap water

PROUD MEMBERS OF



Woongjin Chemical America provides sales, technical and manufacturing services from its American headquarters located in Anaheim, California.

With state-of-the-art manufacturing capabilities, expect faster and more reliable products and services from us.

CSM the Market Leader in Residential RO Membranes.



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