

Looking for better RO Membranes?

MCM HAS THE ANSWER!

MCM introduces a full line of high-quality household in-line water filter for Point Of Use drinking water market, delivering consistent quality products and performance. When incorporating MCM TFC RO Membrane into your point of use system, we are sure you and your customers will receive the highest level of water purity and trouble free performance.



Full Automatic Membrane Production
► Consistent and Superior Quality Control

100% INSPECTION

- Complete Production Line Inspection and Test
- In-factory Quality Control System
- Static Process Control System



The membrane are tested and certified by NSF International against NSF/ANSI Standard 58.

These elements have been tested for the reduction of Arsenic, Barium, Cadmium, Chromium (Hexavalent), Chromium (Trivalent), Copper, Fluoride, Lead, Radium 226/228, Selenium, Turbidity, and TDS.

Product Name	Permeate Flow Rate(GPD)	Applied Pressure Psig (bar)	Stabilized Salt Rejection(%)	Minimum Salt Rejection (%)	Remarks
TW30-1812-50	50	60(4.1)	98	96	Dry type elements
TW30-1812-75	75	60(4.1)	98	96	Dry type elements
TW30-1812-80	80	60(4.1)	98	96	Dry type elements
TW30-1812-100	100	80(5.5)	98	96	Dry type elements
TW30-1812-150	150	80(5.5)	98	96	Dry type elements
TW30-2812-300	300	60(4.1)	98	96	Dry type elements

1. Permeate flow rate and salt rejection based on the following test conditions
: 250ppm (NaCl) softened tap water, 77°F(25°C), 15% recovery, PH 7.5 and the specified applied pressure.
2. Permeate flows for individual elements may vary ±20%.
3. For the purpose of improvement, specifications may be updated periodically.
4. The membrane are tested and certified by NSF International against NSF/ANSI Standard 58.

Product information

MCM Home Drinking Water RO Elements



Operating Limits :

- Membrane Type	Polyamide Thin-Film Composite
- Max. Operating Temperature	113°F(45°C)
- Max. Operating Pressure	125psi(8.6bar)
- Max. Feed Flow Rate	2.0 gpm(7.6lpm)
- Ph Range, Continuous Operation	3.0 ~ 10
- Max. Feed Silt Density Index	< 5
- Free Chlorine Tolerance	< 0.1ppm

CONSTRUCTION OF MATERIAL

Membrane Sheet: USA Confidential

Membrane Feed Spacer : NSF approved from USA

Membrane tube: 100% Food Grade ABS

O'rings : NSF61 approved

Adhesive: Isocyanate based methylene bisphenyl diisocyanate from USA

Above components must be NSF or FDA CFR 21 compliant

I Advantage

1. The membrane element is supplied in dry condition to have more shelf life (12month).
2. The thin film of membrane sheet was made by USA.
3. The life of elements is much stable and longer.
4. The membrane is manufactured by full automatic machine to keep quality assurance.

I General Information

- We recommend flushing for 5 minutes to prevent earlier clogging.
- The first full tank of permeate should be discard. Do not use this initial permeate for drinking water of food preparation.
- Keep elements moist at all times after initial wetting.
- If operating limits and guidelines given in this specification are not strictly followed, the limited warranty will be null and void.
- To prevent biological growth during prolonged system shutdowns, it is recommended that membrane elements be immersed in a preservative solution.
- The membrane shows some resistance to short-term attack by chlorine (hypochlorite). Continuous exposure, however, may damage the membrane and should be avoided.
- The customer is fully responsible for the effects of incompatible chemicals and lubricants on elements. Their use will void the element limited warranty.