



## Household Reverse Osmosis Membrane (NFT-SP-RO)

### Introduction

Reverse osmosis is a membrane separation method which uses the pressure difference as the driving force to separate the solvent from the solution. The pressure is applied to the solvent on one side of the membrane, and when the pressure exceeds its osmotic pressure, the solvent will reverse permeate in the direction of natural infiltration. Therefore the permeating solution is obtained on the low-pressure side of the membrane, and the concentrated solution is obtained on the high-pressure side. The reverse permeable membrane can intercept all kinds of inorganic ions, colloidal substances, and macromolecular solutes in water with a simple process, low energy consumption, and it has been developed rapidly. Now it has been widely used in drinking water purification, seawater, brackish water desalination, and combined with ion exchange to produce high purity water.

The RO membrane is made of the semi-permeable membrane with the 0.0001um filtration rating for filtering and removing the metal ions, Virus, harmful dissolved solids, organics, bacteria, etc.

According to different water capacity New Filtration provide diverse sizes RO membrane, 50GPD, 75GPD, 80GPD, 100GPD, 125GPD, 200GPD, 300GPD, 400GPD and type range from High Flux, Low Pressure and Standard. Meanwhile, we also have other famous brands for an option such as the FILMTEC, CSM, FCS, VONTRON.

### Product Parameters

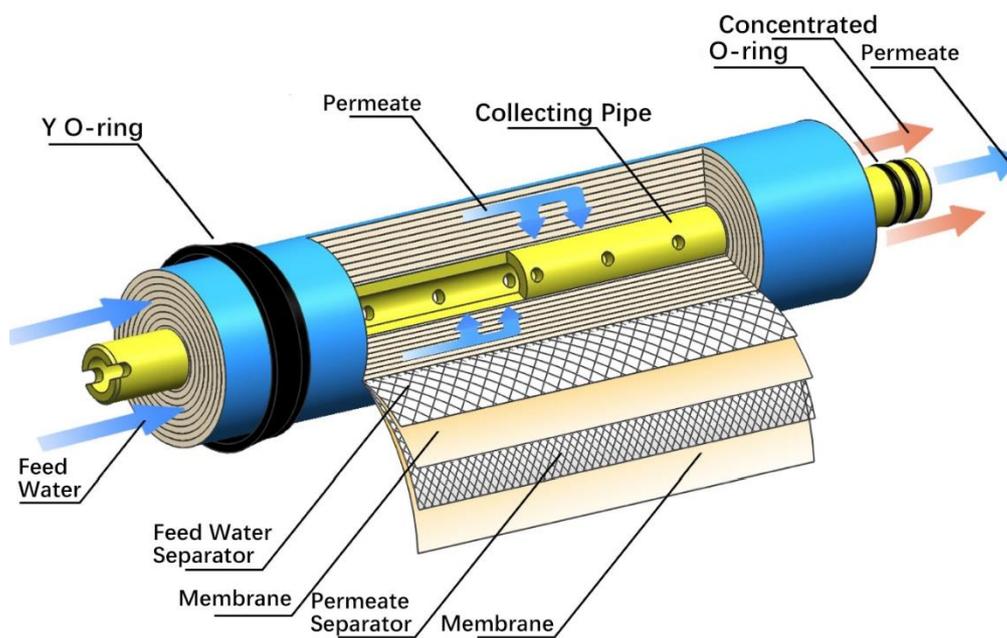
Item Code	Active Membrane Area ft <sup>2</sup> (m <sup>2</sup> )	Operation Pressure PSI(MPa)	Average Flow Rate GPD(M <sup>3</sup> /d)	Rejection Rate (%)	Recover Rate(%)
NFT-SP-RO50	4 (0.4)	65 (0.45)	60 (226)	97%	15%
NFT-SP-RO75	4 (0.4)	65 (0.45)	75 (283)	97%	15%
NFT-SP-RO80	5 (0.5)	65 (0.45)	90 (340)	97%	15%
NFT-SP-RO100	5 (0.5)	65 (0.45)	100 (378)	97%	15%
NFT-SP-RO125	5 (0.5)	65 (0.45)	125 (473)	97%	15%
NFT-SP-RO200	10 (1.0)	65 (0.45)	200 (757)	97%	15%
NFT-SP-RO300	14 (1.4)	65 (0.45)	300 (1135)	97%	15%
NFT-SP-RO400	16 (1.5)	65 (0.45)	400(1514)	97%	15%
NFT-SP-RO75-A	4 (0.4)	65 (0.45)	75 (283)	97%	15%
NFT-SP-RO400-A	16 (1.5)	65 (0.45)	400(1514)	97%	15%

# Your Home Water Guard

## Features

- Imported material ensure stable performance
- Advanced production process makes all goods in good condition and quality
- Product Inspection and strict quality control system
- Diverse model type brings more options for different requirements

## Construction Of RO Membrane



VONTRON

CSM

FILMTEC

JCM

JCM200

JCM400

HM-JCM600