

# RESIDENTIAL MEMBRANE ELEMENTS



## RESIDENTIAL REVERSE OSMOSIS MEMBRANE SERIES

Puroxy Residential Reverse Osmosis Membrane Series Can Effectively Remove All Kinds Of Impurities And Pollutants In Water, Such As Organics, Microorganism, Heavy Metal Ions, Etc. It Is Widely Applied In Residential Water Filters, Commercial Water Filters ,compact Water Vending Machines, Etc. It Is Large In Output Water Flow, High In Salt Rejection, Stable In Performance. What More, With Strong Research And Development Ability, Puroxy Is Able To Customize All Kinds Of Reverse Osmosis Membranes For Varies Purposes.

### Specification and Main Performance of Membrane Elements

Model	Average Rejection	Minimum Rejection	Average Permeated Flow(GPD)	Active Membrane Area ft <sup>2</sup> (M <sup>2</sup> )
RO-2012-75	97	95	75	0.36
RO-2012-80	97	95	80	0.38
RO-2012-100	97	95	100	0.54
RO-3012-300	97	95	300	1.65

#### Testing Conditions:

Testing Pressure	70psi (0.48MPa)
*TW3012-400/TW3013-400	*90psi (0.6MPa)
Temperature of Testing Solution	25c
Concentration of Testing Solution	250ppm
pH Value of Testing Solution	7.5
Recovery Rate	15%

#### Operation Limits and Conditions:

Max. Working Pressure	300psi (2.07MPa)
Max. Working Feed water flow	2gpm
Max. Feed water Temperature	45c
Max. Pressure SDI	5
Max. Pressure Drop	15psi (0.1Mpa)
Residual Chlorine Decline	<0.1ppm
pH Range of Feed water	3.0-10.0