

## 2-1-2 SHANGYUAN® Non-standard Membrane Elements

### Brief Introduction

The 2812-size, 3012-sized and 3013-sized residential membrane elements are mainly applicable to various small-sized systems, such as household water purifier and other water purifying devices in hospital and laboratory.

Being suitable for the desalting treatment of those water sources with salt concentration lower than 2000 ppm, such as surface water, underground water, tap water and municipal water, etc., ULP series are mainly applicable to numerous applications of various sizes, such as pure water, boiler water replenishment, foodstuff processing, and pharmaceutical production, etc.

### Specifications and Major Properties

Model	Average Permeated Flow GPD (m <sup>3</sup> /d)	Stable Rejection Rate (%)	Minimum Rejection Rate (%)
TW-2812-200	200(0.74)	97.0	96.0
TW-3012-300	300(0.99)	97.0	96.0
TW-3012-400	400(1.48)	97.0	96.0
TW-3013-400	400(1.48)	97.0	96.0
TW-3012-500	500(1.85)	97.0	96.0
TW-3013-500	500(1.85)	97.0	96.0
TW-3013-600	600(2.22)	97.0	96.0
TW-3013-700	700(2.59)	97.0	96.0

Testing Conditions: Testing Pressure.....100 psi (0.69Mpa)  
 Temperature of Testing Solution .....25 °C  
 Concentration of Testing Solution (NaCl)..... 250ppm  
 pH Value of Testing Solution .....7.5  
 Recovery Rate of Single Membrane Element....15%

### Important Information

1. All wet-type membrane elements have been strictly tested before leaving the factory, and have been treated with the solution of 1.0% sodium hydrogen sulfite (an antifreeze solution of 10% propanediol required in winter) for storage purpose, then sealed with plastic bag in vacuum, and further packed in carton boxes. In order to prevent the breeding of microbes during short-time storage, transportation and system standby, we recommend you to soak the membrane elements with protective solution (prepared with RO filtered water) containing 1.0% sodium hydrogen sulfite (foodstuff-purpose).
2. Discard the RO-filtered water produced during the first one hour after system start-up.
3. During storage time and run time, it is strictly prohibited to dose any chemical medicament that may be harmful to membrane elements.