

## HT3-2012-100 RO Element

### Brief Introduction

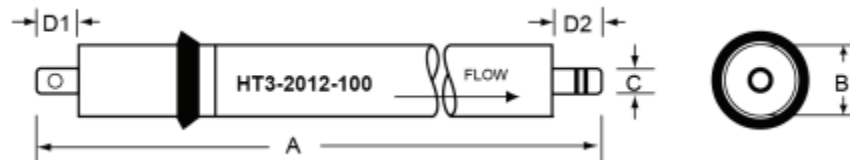
Independently developed by VONTRON, The RO element HT3-2012-100 is designed for treatment of high TDS water resources up to 4000 ppm which can effectively remove organic matter, microorganisms, viruses, metal ions, radioactive particles, carcinogen in water. The elements have been widely used in home-used and office-used drink water machine, hospitals, and laboratory water purifiers.

Model	Permeate flow (GPD)	Rejection Rate (%)	Min. Rejection (%)
HT3-2012-100	100	98.0	97.0

### Testing Conditions:

Testing Pressure..... 60 psi (0.41MPa)  
 Temperature of Testing Solution ..... 25°C  
 Concentration of Testing Solution (NaCl) ..... 250 ppm  
 pH of Testing Solution ..... 6.5 ~ 8.5  
 Recovery of Single Element..... 15%

**Size of Membrane Element:** 1.0 inch=25.4 mm



A/mm(inch)	B/mm(inch)	C/mm(inch)	D1/mm(inch)	D2/mm(inch)
298	48	17	21	21

### Notice:

1. Any specific application must be limited within the Operating Limits and Conditions. We strongly recommend you to refer to the latest edition of technology manual and design guide prepared by VONTRON Technology Co., Ltd., or consult experts proficient in membrane technology. In case the customer failed to follow the specified operational requirements in the manual, VONTRON Technology Co., Ltd. will assume no liability for all results.
2. The permeate flow listed in the table is the average value. The permeate flow of single membrane element is within a tolerance not exceeding  $\pm 20\%$  of the nominal value.
3. Discharge the permeate water produced during the first hour after system start-up.
4. During storage time and operation time, it is strictly prohibited to dose any chemical medicament that may be harmful to membrane elements. VONTRON Technology Co., Ltd. assumes no liabilities for any above-mentioned misconduct.
5. Moisture and pollution should be avoided in transportation. Handle with care to prevent damage. This product

should be stored in a ventilated and dry warehouse and should not be stored with corrosive articles and inflammables.

6. Dry membrane elements should always be kept wet after been used. When wet membrane elements are not used for a long time, in order to prevent the growth of microorganisms, it is recommended to soak the membrane elements with a protective solution containing 1.0% sodium bisulfite (food-grade) (prepared with RO water).