

# ULP1812-50

Ultra Low Pressure Membrane Elements - ULP Series

## Product Presentation

Independently developed by VONTRON, the RO element ULP1812-50 is designed for treatment of low-salinity water resources such as tap water, well water, etc. Working under extra low pressure, it is applicable to water purifying devices for residence, hospital and laboratory.

## Application

- ◎ Applicable to residential water purifiers as well as hospital and laboratory water purification devices.
- ◎ Used to treat centralized water supply, Underground water and other water sources.

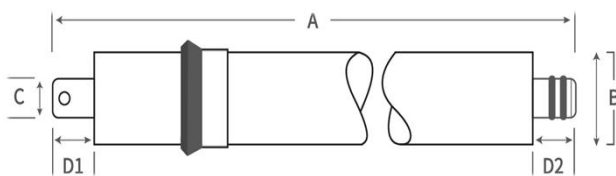
## Product Performance

Model	Permeate Flow GPD(m <sup>3</sup> /d)	Rejection Rate (%)	Min. Rejection (%)
ULP1812-50	50(0.19)	99	97

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 %

- \* Each membrane element may have ±15% variation of permeate flow
- \* Rejection Rate ±2%

## Product Size



A/mm	B/mm	C/mm	D1/mm	D2/mm
298	46	17	21	21

## Important Information

- Before the membrane element leaves the factory, The dry membrane element has no preservation solution, The wet membrane element has 1.0% sodium bisulfite (in winter, add 10% of propylene glycol antifreeze) as the preservation solution for storage treatment and use vacuum packaging.
- Dry membrane elements should always be maintained wet after Soaking; when wet membrane elements are not used for a long time, preservation solution is needed to soak the elements.
- When the membrane element is used for the first time, it is recommended to flush it first for 15-25 minutes at low pressure (not suitable for soaking or soaking overnight), and then flush it for 60-90 minutes at high pressure (the water flow should not be less than 50% of the system design water flow).
- The permeate water and concentrated water within the first hour of the initial operation of the membrane element should all be discharged.
- The operating limits and operational guidelines given in this technical information are part of the limitations of the three-year warranty on the membrane element.
- The addition of any chemicals that may affect the membrane element during storage and operation is prohibited, and Vontron Technology will not be liable for any consequences arising from the use of such chemicals.
- Please refer to the Product Manual for details on installation, commissioning, storage, and transportation of membrane elements.



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