

VONTRON UHP-8040-P80 Membrane Element

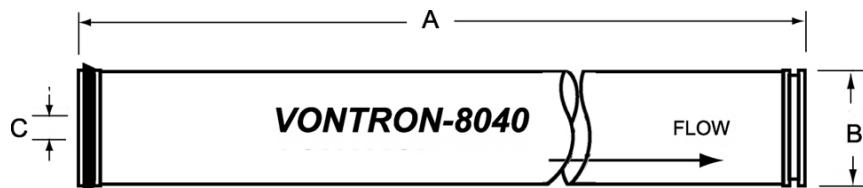
Brief Introduction

UHP-8040-P80, an ultra-low pressure RO Membrane, has the features of fouling resistance and low energy consumption, and is applicable to the treatment of industrial sewage with low salinity, such as electronic sewage and surface water.

UHP series membrane elements are suitable for the treatment of seawater and high-concentration materials. They can be used in the fields of seawater desalination, reclaimed water reuse, zero discharge and garbage permeate, and can also be used for the concentration and separation of high value-added substances such as food and medicine.

Model	Active Membrane Area ft ² (m ²)	Permeate flow GPD(m ³ /d)	Stable Rejection Rate %	Feed Spacer Thickness mil				
UHP-8040-P80	370 (34.4)	8200 (31.0)	99.8	34				
Operating pressure at 800 psi (5.52MPa)								
Temperature at 25°C								
Testing Position	Tested in 32000 mg/L NaCL solution							
	pH 8							
Recovery rate at 8%								
Maximum operating pressure								
Maximum feedwater flow								
Operating	Maximum feedwater temperature							
	Maximum feedwater flow SDI ₁₅							
Limit & Conditions	Allowed pH range for feedwater in operation							
	Allowed pH range for chemical cleaning							
Maximum concentration of free chlorine								
Maximum pressure drop per element								

Size of Membrane Element: 1.0 inch=25.4 mm



A/mm(inch)	B/mm(inch)	C/mm(inch)
1016 (40)	201 (7.9)	29 (1.125)

Notice:

1. All data and information provided in this manual have been obtained from long-term experiment by Vontron Membrane Technology Co., Ltd. We confirm the effective and accuracy of the data. assumes no liability for any aftermath caused by user's failure in abiding by the conditions specified in this manual in use or maintenance of membrane products. It is strongly recommended that the user shall strictly abide the designed use and maintenance requirements and keep relevant records.
2. The permeate value listed in the table is the average value. The permeate flow of single membrane element is tolerance not exceeding $\pm 15\%$ of the nominal value.
3. All wet-type membrane elements have been strictly tested before leaving the factory, and have been treated with 1.0% sodium hydrogen sulfite (10% glycerin antifreeze required in winter) for storage purpose, then sealed with plastic bag in vacuum, and further packed in carton boxes.
4. The membrane used should remain wet after being used; In long term suspension, to prevent the breeding of microbes, soak the membrane elements with protective solution is highly recommended, the solution (prepared with RO filtered water) containing 1.0% sodium hydrogen sulfite (foodstuff-purpose).
5. Operate low pressure flushing for 15-25 minutes of first use, high pressure flushing for 60-90 minutes when first use (Permeate volume no less than 50% of designed volume). Discard all the permeate and condensed water produced during the first one hour after system start-up.
6. During storage time and operation period, it is strictly prohibited to added any chemical medicament that may be harmful to membrane elements. In case of any violation in adding chemical medicament, Vontron Membrane Technology Co., Ltd. assumes no liability for any damages incurred.
7. Along with technical development and product renovation, all information will be subject to modification without prior notification. Please keep notice the website of Vontron Membrane Technology Co., Ltd. for any updates of the product.