

Heat Sanitizable RO Elements

VHD-8040/34G

Heat Sanitizable RO

New HSR0 heat sanitizable spiral elements

NEW PRODUCT

2021

VONTRON RO Membrane Elements

- › Satisfied with the requirement of pasteurization **85°C**
- › Sanitary structure design
- › The product comply with USA FDA standards



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VHD-8040/34G Heat Sanitizable RO Elements

Brief Introduction

VHD-8040G heat sanitizable reverse osmosis membrane elements is a product developed for pasteurization in food and pharmaceutical industries. The product uses hygienic pass, shell and accessories, which can minimize the stagnant areas between membrane element and membrane shell. The product all components comply with FDA standards.

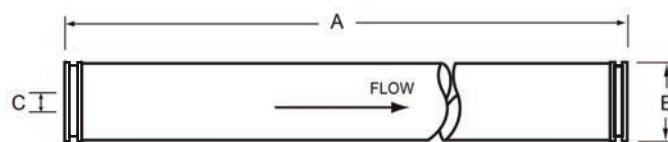
[Features]

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- Sanitary structure design
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Specifications and main performance

Model	Active Areas ft ² (m ²)	Average Permeate GPD(m ³ /d)	Stable Rejection Rate %	Channel Width mil
VHD-8040/34G	400 (37.2)	9000 (34)	98.0	34-LD
Testing Conditions	Testing Pressure		150 psi (1.03Mpa)	
	Testing Solution Temperature		85°C (25psi 1.75bar)	
	Concentration of Testing Solution (NaCl)		2000ppm	
	pH value of Testing Solution		7.0±0.5	
	Recovery Rate of Single Element		15%	
Operation Limits & Conditions	Max. Working Pressure		600psi (4.14Mpa)	
	Max. Volume of Feed water		75gpm (17 m3/h)	
	Max. Temperature of Feed water		45°C	
	Max. Feed water SDI ₁₅		5	
	pH Range of Feed water during Continuous Operation		3 ~ 10	
	pH Range of Feed Water during Chemical Cleaning		2 ~ 12	
	Residual Chlorine Concentration of Feed Water		< 0.1ppm	
Max. Pressure Drop of Single Membrane Element		15psi (0.1Mpa)		

Membrane element size: 1.0 inch =25.4 mm



A/mm(inch)	B/mm(inch)	C/mm(inch)
1016.0(40)	201(7.9)	29(1.125)

1. All data and information provided in this sample have been obtained from long-term experiment by Vontron. 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. With technical development and product renovation, all information will be subject to modification without prior notification. Please keep notice the website of Vontron for any updates of the product.