U E8040 -PF

CSM°

LENNTECH

info@lenntech.com Tel. +31-152-610-900 www.lenntech.com Fax. +31-152-616-289

Normal grade UF element for RO pretreatment

SPECIFICATIONS

General Features

Permeate flow rate: 14,000 GPD (52.9 m³/day)
Molecular Weight Cut Off : 50K-100K (Daltons)
Effective membrane area: 400 ft² (37.2 m²)

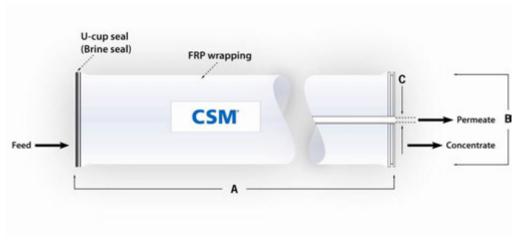
- 1. The stated product performance is based on data taken after 30 minutes of operationat the following test conditions:
 - Concentration: pure water
 - Pressure: 20 psig
 - 77 °F (25 °C)
 - pH 6.5 -7.0
- 2. Permeate flow rate for each element may vary but will be no more than 20%.
- 3. All elements are vacuum sealed in a polyethylene bag containing 1.0% SBS (sodium bisulfite) solution and individually packaged in a cardboard box.

Membrane type: Thin-Film Composite
Membrane material: Polysulfone (PSF)

Element configuration: Spiral-Wound, FRP W rapping

Dimensions and Weight

				Weight	Part Number	
Model Name	A	В	С		Inter - connector	Brine Seal
U E 8040 -PF	40.0 inch (1,016 mm)	8.0 inch (201 mm)	1.12 inch (28 mm)	15 kg	40000308	40000309



- 1. Each membrane elementupplied with one brine seal, one interconnector (coupler) and four o-rings.
- 2. All UE8040 elements fit nominal 8.0 inch (201 mm) I.D. pressure vessels.

The information provided in this document is solely for informative purposed is the user's responsibility to ensure the appropriate usage of this productWoongjin Chemical assumes no obligation, liability or damages incurred for the misuse of the product or for the information provided in this documentThis document does not express or implies any warranty as to the merchantability orfitness of the product.

U E8040 -PF





APPLICATION DATA

perating Limits	 Max. Pressure Drop / Element 	15 psi (0.1 MPa)	
	 Max. Pressure Drop / 240" Vessel 	60 psi (0.41 Mpa)	
	 Max. O peratingPressure 	600 psi (4.14 MPa)	
	· Max. Feed Flow Rate	75 gpm (17.0 m³/hr)	
	 Min.Concentrate Flow Rate 	16 gpm (3.6 m³/hr)	
	 Max. O peratingTemperature 	113 ∘F (45 ∘C)	
	 Operating pH Range 	2.0-11.0	
	· CIP pH Range	1.0-13.0	
	· Max.Turbidity	1.0 NTU	
	· Max.SDI (15 min)	5.0	

Design Guidelines for Various

Water Sources

SurfaceWater (SDI < 5)
 SoftenedWater (SDI < 3)
 RO permeate (SDI < 1)
 10-15 gfd
 15-20 gfd
 21-30 gfd

GENERAL HANDLING PROCEDURES

Elements contained in the boxes must be kept dry at room temperature (7–32°C; 40 –95°F) and should not be stored in direct sunlight. If the polyethylene bag is damaged a new preservative solution (sodium bisulfite) must be added and airtight seabd to prevent drying and biological growth.

Permeate from the first hour of operation should be discarded to flush out the preservative solution.

Elements should be immersed in a preservative solution during storage, shipping and system shutdowns to prevent biological growth and freezing. The standard storage solution contains 1% by weight sodium bisulfite or sodium metabisulfite (food grade). For short term storage (i.e. one week or less) 1% by weight sodium metabisulfite solution is adequate for preventing biological growth.

Keep elements moist at all times after initial wetting.

Avoid excessive pressure and flow spikes.

Only use chemicals compatible with the membrane elements and components. Use of such chemicals may void the element limited warranty.

Permeate pressure must always be equal orless than the feed/concentrate pressure. Damage caused by permeate back pressure voids the element limited warranty.