U E8040 -PF



AGUA CONTROL

AGUA CONTROL LLC 5609 E ADAMO DRIVE STE.D TAMPA FL, 33619 (813) 621-7774 (813) 621-7776

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)

 The stated product performance is based on data taken after 30 minutes of operationat the following test conditions:

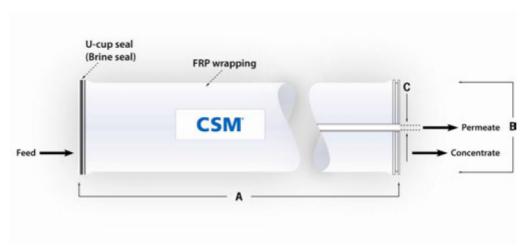
- · Concentration: pure water
- Pressure: 20 psig
- 77 °F (25 °C)
- pH 6.5 -7.0
- 2. Permeate flow rate for each element may vary but will be no more than 20%.
- 3. All elements are vacuum sealed in a polyethylene bag containing 1.0% SBS (sodium bisulfite) solution and individually packaged in a cardboard box.

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

Element configuration: Spiral-Wound, FRP W rapping

Dimensions and Weight

Model Name	A	В	С	Weight	Part Number	
					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 elemen supplied with one brine seal, one interconnector (coupler) and four o-rings.
- 2. All UE8040 elementsfit nominal 8.0 inch (201 mm) I.D. pressure vessels.

The information provided in this document is solely for informative purposest 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.

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APPLICATION DATA **Operating Limits** · Max. Pressure Drop / Element 15 psi (0.1 MPa) Max. Pressure Drop / 240" Vessel 60 psi (0.41 Mpa) Max. O perating Pressure 600 psi (4.14 MPa) · Max. Feed Flow Rate 75 gpm (17.0 m³/hr) · Min.Concentrate Flow Rate 16 gpm (3.6 m²/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 SurfaceW ater (SDI < 5) 10-15 gfd Water Sources SoftenedWater (SDI < 3) 15-20 gfd

· RO permeate (SDI < 1)

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 sealed 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.

21-30 gfd

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

