

UE8040-CEP32

Ultrafiltration Element for Cathodic Electrocoat Paint



SPECIFICATIONS:

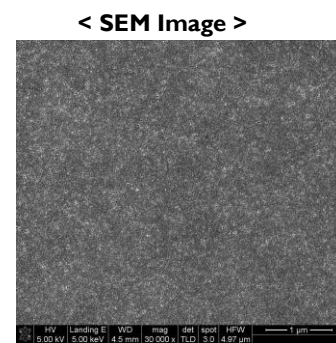
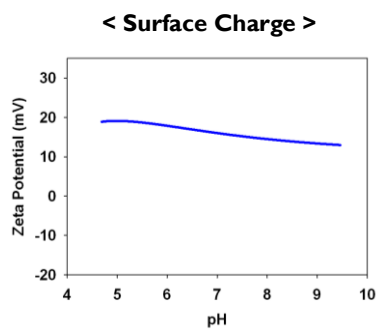
General Features

Model	Membrane material	Feed Spacer (mil)	Effective Area (ft ²)	Permeate Flowrate (gpd)
UE8040-CEP32	PAN	32	400	14,000

- The stated product performance is based on data taken after 30 minutes of operation at the following test conditions:
 - Deionized Water at 20 psig (0.14 MPa) applied pressure
 - 77°F (25°C), pH 6.5~7.0
- Permeate flow rate for each element may vary but will be no more than 20%.
- All elements are vacuum sealed in a polyethylene bag containing 1.0% SBS (sodium bisulfite) solution and individually packaged in a cardboard box.

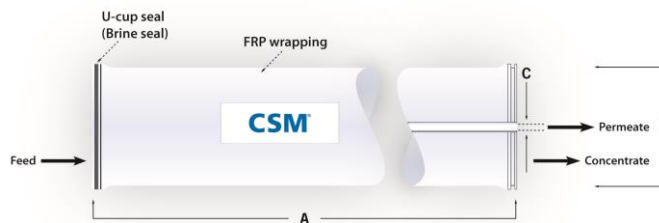
Membrane type: Ultrafiltration
Membrane material: Polyacrylonitrile(PAN, Positive Charge)
Element configuration: Spiral-Wound, FRP Wrapping

Surface Charge & SEM Image (Surface, x30K)



Dimensions and Weight

Model Name	A	B	C	Weight	Part Number	
					Inter-connector	Brine Seal
UE8040-CEP32	40.0 inch (1,016 mm)	8.0 inch (201 mm)	1.12 inch (28 mm)	15 kg	40000308	40000309



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

Toray Chemical Korea Inc.

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APPLICATION DATA:

Operating Limits	· Max. Feed Side Pressure Drop / Element	36 psi (0.25 MPa)
	· Max. Operating Pressure	80 psi (0.55 MPa)
	· Max. Feed Flow Rate	70 gpm (16.0 m ³ /hr)
	· Max. Operating Temperature	125 °F (52 °C)
	· Operating pH Range	2.0–10.0
	· CIP pH Range	1.0–13.0

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 air-tight 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.
- Permeate pressure must always be equal or less than the feed/concentrate pressure. Damage caused by permeate back pressure voids the element limited warranty.

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