



PRODUCT SPECIFICATION

# ZwitterCo Z-Clear™ 4-inch Elements



## The Membrane That Unlocks Fats, Oils, Grease, and Protein Separations

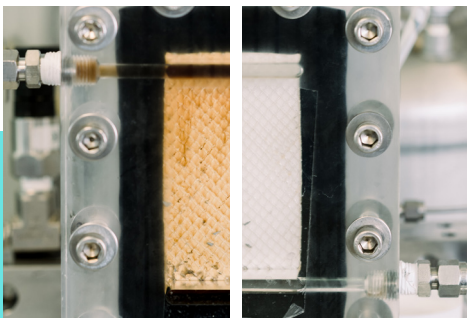
Z-Clear™ membranes show unprecedented fouling resistance and can be fully restored without harsh chemicals, resulting in lower operating costs, fewer membrane replacements, and less downtime.

**Product Class: Tight-Ultrafiltration**

### How We're Different:

- 1,000 mg/L Oil & Grease or more
- Extreme tolerance for chlorine, peracetic acid, and other cleaning chemicals
- Clean in under 1 hour

Specific fluid testing recommended prior to use. Please contact our technical services team to explore unique opportunities for your process.



**Reduce wastewater and chemical use in your operations**

Contact us to learn more about our solutions or to try our products in your facility.

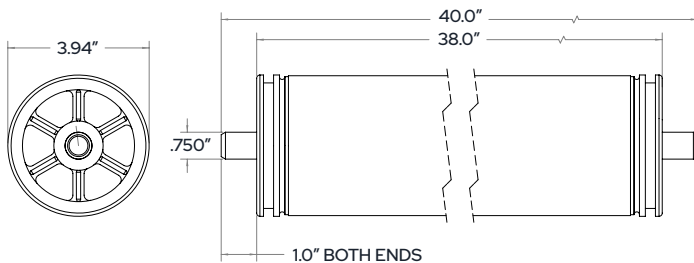
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## ZwitterCo Z-Clear™ 4-inch Elements

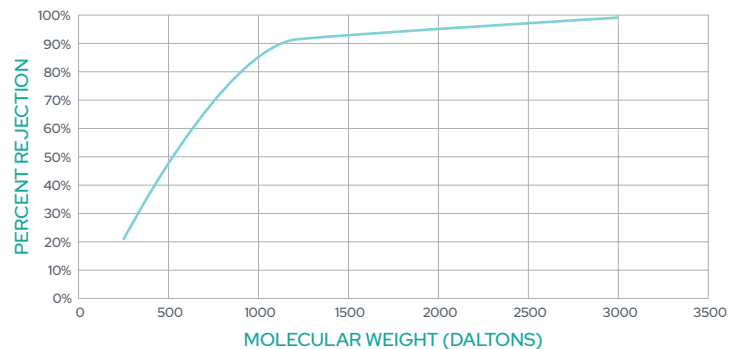
### OPERATING SPECIFICATIONS:

Parameter	Imperial units	SI units
Max operating pressure	220 psi	15 bar
Max pressure drop (per element)	15 psi	1 bar
Max pressure drop (per housing)	60 psi	4 bar
Active area	64 ft <sup>2</sup>	6 m <sup>2</sup>
Permeate flow	0.2 - 0.8 GPM	0.05 - 0.2 m <sup>3</sup> /hr
Feed flow rate	10 - 30 GPM	2.3 - 6.8 m <sup>3</sup> /hr
Operating temperature	40 - 105 °F	5 - 40 °C
Operating pH	2 - 12	

### Z-CLEAR™ ELEMENT DIMENSIONS



### Z-CLEAR™ REJECTION CURVE



Excellent rejection of organics larger than 1 nanometer (~1,000 daltons) with minimal rejection of salts

ZwitterCo is an industrial membrane provider enabling next-generation resource recapture and water treatment solutions.

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