

PRELIMINARY PRODUCT SPECIFICATION - 3838/8038/8040

# ZwitterCo Polisher Elements

## The World's Most Cleanable RO Membrane



ZwitterCo has developed **the world's most fouling-resistant** chemistry, resulting in a membrane that requires a much simpler cleaning program. ZwitterCo Polisher elements are a drop-in replacement that require **no system modifications** or capital investment for easy implementation.

- We Help You:**
- Reduce operating costs
    - Use less chemicals, make-up water, and wastewater
  - Experience longer element life
  - Achieve sustainability & safety goals

**THE ONLY MEMBRANE THAT'LL IMMEDIATELY CUT YOUR CLEANING COSTS BY AS MUCH AS 60%\***

\*based on a daily cleaning program

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

# Preliminary Product Specification

## ZwitterCo Polisher Elements

### ELEMENT PROPERTIES

Parameter	3838	8038	8040
Stabilized salt rejection - %	99.5	99.5	99.5
Minimum salt rejection - %	99.0	99.0	99.0
Active area - ft <sup>2</sup> (m <sup>2</sup> )	75 (7.0)	370 (34.3)	370 (34.3)
Feed spacer - mil	30	30	30

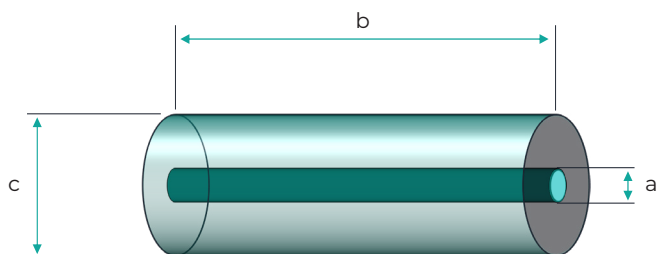
Test Conditions: 1,500 ppm NaCl, 225 psi (15.5 bar), 25°C (77°F), pH 8, and 15% recovery. Flow rates will be no more than 15% below the values shown. Product specifications may change without notice as design revisions occur.

### OPERATING SPECIFICATIONS

Parameter	Units
Max operating pressure - psi (bar)	600 (41)
Max pressure drop (per element) - psi (bar)	15 (1)
Max pressure drop (per housing) - psi (bar)	60 (4)
Max operating temperature - °C (°F)	40 (104)
pH range: Continuous operation	2 - 10
pH range: Cleaning (short-term)	1 - 12
Free chlorine tolerance - ppm*	<0.1

\* Pretreatment is recommended for the removal of free chlorine and other oxidizing agents to prevent damage to membranes. Oxidizing agents, such as free chlorine, in contact with ZwitterCo RO may result in shortened operating life or membrane failure. Such oxidation damage is excluded from warranty.

### ELEMENT DIMENSIONS



Measurement - in (mm)	a	b	c
3838	0.83 (21.1)	38 (965)	3.8 (96)
8038	1.125 (28.6)	38 (965)	7.9 (201)
8040	1.125 (28.6)	40 (1,016)	7.9 (201)

All models on this sheet are full-fit configuration. The 8040 model includes anti-telescoping devices (ATDs) attached to the ends of the element.