

# Water Purification Supplies

## MB-4040-XLP

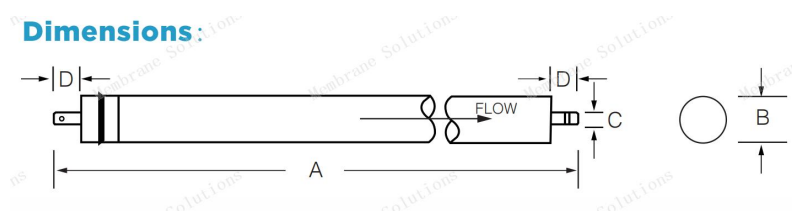
### Extra Low Pressure Element

#### → Product Specifications and Operation Limits

|                        | MODEL                                                   | MB-4040-XLP |
|------------------------|---------------------------------------------------------|-------------|
| Product specifications | Nominal salt rejection, %                               | 98.5%       |
|                        | Minimum salt rejection, %                               | 98%         |
|                        | Permeate flow rate, m <sup>3</sup> /d(gpd)              | 9.1(2400)   |
|                        | Active membrane area, m <sup>2</sup> (ft <sup>2</sup> ) | 7.8(84)     |
|                        | Feed spacer, mil                                        | 34          |
| Test conditions        | Feed water NaCl, ppm                                    | 500         |
|                        | Pressure, psi(bar)                                      | 100 (6.9)   |
|                        | Temperature, °F(°C)                                     | 77(25)      |
|                        | Recovery rate of single membrane element, %             | 15          |
|                        | pH                                                      | 7-8         |
| Max. operation limits  | Pressure, psi(bar)                                      | 600(41.4)   |
|                        | Feed water flow, m <sup>3</sup> /h                      | 3.6         |
|                        | Feed free chlorine tolerance, mg/l                      | <0.1        |
|                        | pH range during continuously operation                  | 2-11        |
|                        | Max. pressure drop for single element, psi(bar)         | 15(1.0)     |
|                        | Temperature, °F(°C)                                     | 113(45)     |
|                        | Feed Silt Density Index(15 min)SDI <sub>15</sub>        | 5           |
|                        | pH range during chemical cleaning                       | 1-13        |

- The salt rejection rate generally needs to be tested after 24-48 hours of continuous operation, depending on the feed water quality and operating conditions.
- The flow rate of a single membrane element may vary, but within a range of ±15%.

#### → Element Dimensions



| A inches(mm) | B inches(mm) | C inches(mm) | D inches(mm) |
|--------------|--------------|--------------|--------------|
| 1016 (40)    | 99 (3.9)     | 19.1 (0.75)  | 26.7 (1.05)  |