

## HID™ Commercial Membranes

HID™ Commercial Membrane ranks the best brands in China among RO membrane industry. It has won the trust of numerous clients for feeding the reliable purified water over 10 years. Each membrane is made of HID developed & pre-examined sheet and goes through stringent making processes as well as in-house quality inspection & testing before delivery.

HID Membrane has been certified by SGS & China Jiangsu Sanitation Bureau wrt drinking water membrane elements.

### Main Features:

- HID high rejection quality sheet;
- long service life for reducing the cost;
- high stabilized rejection with realized nominal flux;
- sanitary qualified elements;
- stringent in-house inspection & testing control.

### Performance Specifications:

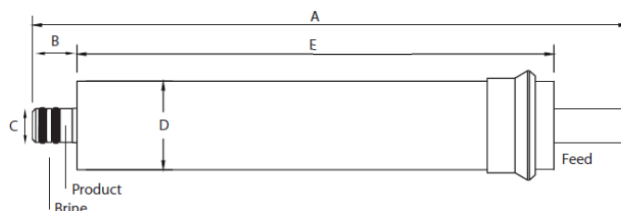
| Model No.    | Min. Salt Rejection (%) | Stabilized Salt Rejection (%) | Permeate Flow Rate (gpd) | Test Temp. | Test Pressure | Test water TDS |
|--------------|-------------------------|-------------------------------|--------------------------|------------|---------------|----------------|
| TFC-3012-200 | 95                      | 97                            | 200                      | 25℃        | 65psi         | 500PPM         |
| TFC-3012-300 | 95                      | 97                            | 300                      | 25℃        | 65psi         | 500PPM         |
| TFC-3012-400 | 95                      | 97                            | 400                      | 25℃        | 80psi         | 500PPM         |
| TFC-3013-400 | 95                      | 97                            | 400                      | 25℃        | 80psi         | 500PPM         |
| TFC-3012-500 | 94                      | 96                            | 500                      | 25℃        | 85psi         | 500PPM         |
| TFC-3213-600 | 94                      | 96                            | 600                      | 25℃        | 85psi         | 500PPM         |
| TFC-3213-800 | 94                      | 96                            | 800                      | 25℃        | 85psi         | 500PPM         |

1. Permeate flow rate and salt rejection is based on testing conditions: 25℃, pH 7.5, 20% recovery.
2. Stabilized salt rejection is generally achieved within 24-48 hours of continuous use, depending upon feedwater characteristics and operating conditions.

### Operating Limits:

| Model No.    | Maximum Operating Temperature | Maximum Operating Pressure | Feed Water PH Range, continuous operation | Maximum Feed Water Turbidity | Maximum Feed Water SDI | Chlorine tolerance |
|--------------|-------------------------------|----------------------------|-------------------------------------------|------------------------------|------------------------|--------------------|
| TFC-3012-200 | 45℃                           | 200psi                     | 4-11                                      | 1NTU                         | 5                      | <0.1ppm            |
| TFC-3012-300 | 45℃                           | 200psi                     | 4-11                                      | 1NTU                         | 5                      | <0.1ppm            |
| TFC-3012-400 | 45℃                           | 200psi                     | 4-11                                      | 1NTU                         | 5                      | <0.1ppm            |
| TFC-3013-400 | 45℃                           | 200psi                     | 4-11                                      | 1NTU                         | 5                      | <0.1ppm            |
| TFC-3012-500 | 45℃                           | 200psi                     | 4-11                                      | 1NTU                         | 5                      | <0.1ppm            |
| TFC-3213-600 | 45℃                           | 200psi                     | 4-11                                      | 1NTU                         | 5                      | <0.1ppm            |
| TFC-3213-800 | 45℃                           | 200psi                     | 4-11                                      | 1NTU                         | 5                      | <0.1ppm            |

## Membrane Dimensions:



| Model No.    | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) |
|--------------|--------|--------|--------|--------|--------|
| TFC-3012-200 | 298    | 20     | 16.8   | 67     | 257    |
| TFC-3012-300 | 298    | 20     | 16.8   | 72     | 257    |
| TFC-3012-400 | 298    | 20     | 16.8   | 72     | 257    |
| TFC-3013-400 | 330    | 19     | 16.8   | 68     | 300    |
| TFC-3012-500 | 298    | 20     | 16.8   | 72     | 257    |
| TFC-3213-600 | 330    | 19     | 16.8   | 76     | 300    |
| TFC-3213-800 | 330    | 19     | 16.8   | 78     | 300    |

