

## Residential Tap Water TFC Membranes



M-T1512A12, M-T1512A18, M-T1812A24, M-T1812A36, M-T1812A50, M-T1812A75 & M-T1812A100 are certified to NSF/ANSI 58 for the reduction of Arsenic, Barium, Cadmium, Chromium (Hexavalent), Chromium (Trivalent), Copper, Cysts, Turbidity, Fluoride, Lead, Radium 226/228, Selenium, and TDS.

### Performance Specifications

| Model No.    | Permeate Flow Rate* |       | Size<br>(Dia."× Length") | Minimum Salt<br>Rejection (%)* | Stabilized Salt<br>Rejection (%)* |
|--------------|---------------------|-------|--------------------------|--------------------------------|-----------------------------------|
|              | gpd                 | lpd   |                          |                                |                                   |
| M-T1512A12   | 12                  | 45    | 1.50 × 12                | 96                             | 98                                |
| M-T1512A18   | 18                  | 68    | 1.50 × 12                | 96                             | 98                                |
| M-T1812A24   | 24                  | 91    | 1.75 × 12                | 96                             | 98                                |
| M-T1812A36   | 36                  | 136   | 1.75 × 12                | 96                             | 98                                |
| M-T1812A50   | 50                  | 190   | 1.75 × 12                | 96                             | 98                                |
| M-T1812A75   | 75                  | 284   | 1.75 × 12                | 96                             | 98                                |
| M-T1812A100  | 100                 | 379   | 1.75 × 12                | 96                             | 98                                |
| M-T1812A150† | 150                 | 568   | 1.95 × 12                | 96                             | 98                                |
| M-T3012A‡    | 300                 | 1,138 | 3.00 × 12                | 96                             | 98                                |

\* Salt rejection and performance specifications shown are from internal test data.

Note: Performance specifications based on 500 ppm tap water, 50 psi (0.35 MPa) applied pressure, 77°F (25°C) feed water temperature, feed water pH 7-8 and 15% recovery. Element permeate flow may vary ± 20%.

### Recommended Operating Conditions\*

|   |                     |
|---|---------------------|
| • Maximum operating pressure                            | 125 psig (0.86 MPa) |
| • Maximum feed flow rate                                | 2 gpm               |
| • Maximum operating temperature                         | 113°F (45°C)        |
| • Maximum feed water turbidity                          | 1 NTU               |
| • Maximum feed water silt density index (15 min)        | 5                   |
| • Chlorine tolerance                                    | <0.1 ppm            |
| • Feed water pH range, Continuous Operation             | 2-11                |
| • Feed water pH range, Short-Term Cleaning (30 minutes) | 1-12                |
| • Minimum brine flow to permeate flow ratio             | 4:1                 |



M-T1512A12 – M-T1812A100



### Membrane Element Dimensions

| Model No.        | L      |             | I      |             | D      |             |
|------------------|--------|-------------|--------|-------------|--------|-------------|
|                  | inches | centimeters | inches | centimeters | inches | centimeters |
| M-T1512A(12-18)  | 11.75  | 29.8        | 10.00  | 25.4        | 1.50   | 3.8         |
| M-T1812A(24-100) | 11.75  | 29.8        | 10.00  | 25.4        | 1.75   | 4.4         |
| M-T1812A150      | 11.75  | 29.8        | 10.00  | 25.4        | 1.95   | 5.0         |
| M-T3012A         | 11.75  | 29.8        | 10.25  | 26.0        | 3.2    | 8.1         |

† The 150 gpd membranes are designed for a tight fit in most standard housings. If the membrane fits loosely, you may need to wrap a few layers of tape near one end to make a tight fit. Tape Part # X-T160VWHI-2113. A loose fit will result in a higher permeate TDS.

‡ M-T3012A uses 3x12 membrane housing and does not fit standard residential housings.

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