

# Membrane Performance Information

## CTA Membrane Rejection Characteristics

### Nominal Rejection Characteristics of Cellulose Triacetate Reverse Osmosis Membranes

| ION       | % REJECTION |
|-----------|-------------|
| Sodium    | 90-95       |
| Calcium   | 92-95       |
| Magnesium | 94-97       |
| Potassium | 85-95       |
| Iron      | 92-96       |
| Manganese | 92-96       |
| Aluminum  | 95-98       |
| Ammonium  | 85-90       |
| Copper    | 96-98       |
| Nickel    | 96-98       |
| Zinc      | 96-98       |
| Strontium | 95-97       |
| Cadmium   | 95-97       |
| Silver    | 90-95       |
| Mercury   | 94-96       |
| Barium    | 94-96       |
| Chromium  | 94-96       |

| ION          | % REJECTION |
|--------------|-------------|
| Lead         | 94-96       |
| Chloride     | 90-95       |
| Bicarbonate  | 85-95       |
| Nitrate      | 50-70       |
| Fluoride     | 85-90       |
| Silicate     | 80-90       |
| Phosphate    | 95-97       |
| Chromate     | 80-90       |
| Cyanide      | 80-90       |
| Sulfite      | 94-96       |
| Thiosulfate  | 94-97       |
| Ferrocyanide | 96-98       |
| Bromide      | 85-90       |
| Borate       | 25-50       |
| Sulfate      | 96-98       |
| Arsenic      | 90-95       |
| Selenium     | 90-95       |

*\*The above percent rejection is for reference only. The above listing is for the most common impurities found in water. Thin Film Composite RO membranes may also remove other less common impurities found in water (i.e. Uranium, Arsenic, etc.) Actual rejection will depend heavily on the exact chemistry, temperature, pressure, and TDS content of the feed water. If you have any questions, please contact us.*

### About AMI® Brand Membrane Elements

AMI Membrane Elements have earned the reputation of consistent quality. With hundreds of thousands of membranes in operation world-wide, AMI Membrane Elements are among the finest in the industry with performance comparable to most major brands.

#### Advantages of AMI Membranes

- Made in the USA in our ISO 9001:2008 Certified Facilities
- Offered in Reverse Osmosis, Ultrafiltration, Nanofiltration, Microfiltration, Seawater, and Special Membranes
- Available in a Large Range of Both Residential and Commercial Styles and Sizes
- NSF Certified in Select Models
- Backed by our Experienced Technical Support Staff
- High Quality for Consistent and Reliable Performance
- Competitive Prices



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