New: XL-DER for Pure Dialysis Water

EDI for Hemodialysis
Purifies Water & Removes Endotoxins

Key Benefits Include:

- XL-DER EDI purifies RO water for central kidney dialysis systems
- XL-DER EDI removes endotoxins for healthier results
- XL-DER EDI is heat-sanitizable to 85°C

In kidney dialysis, the purity of water is critical in order to protect patients from harmful contaminants like endotoxins.

Endotoxins are byproducts of dead bacteria killed in the water purification system, and when not removed, may trigger fevers in patients. Since this water is in contact with a patient’s own blood, it is critical to reduce endotoxins to the lowest possible level.

In a recent study in Japan, the use of Electropure™ XL-DER EDI further reduced endotoxin levels.
coming from the RO by an additional 95%, study published in the Journal of Bioscience Control.

It is expected that UV-RO-EDI-UF will become the new standard for the preparation of best practices hemodialysis water.

<table>
<thead>
<tr>
<th>EDI Module Parameters</th>
<th>Recommended for Optimum Performance</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feedwater Conductivity Equivalent</td>
<td>&lt;9 µS/cm</td>
<td>&lt;33 µS/cm</td>
</tr>
<tr>
<td>Including CO₂ (See FCE calculation in Manual)</td>
<td></td>
<td></td>
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<tr>
<td>pH</td>
<td>7.0 to 7.5</td>
<td>5 to 9.5</td>
</tr>
<tr>
<td>Total Chlorine (as Cl₂) and Ozone (O₃)</td>
<td>ND</td>
<td>ND</td>
</tr>
<tr>
<td>Temperature</td>
<td>Operation:</td>
<td>Sanitize:</td>
</tr>
<tr>
<td></td>
<td>5 to 45°C (40-113°F)</td>
<td>72-85°C (182-185°F)</td>
</tr>
<tr>
<td>Dimensions (Width x Height x Depth)</td>
<td>22x56xD cm</td>
<td>(8.5x22xD)</td>
</tr>
</tbody>
</table>

**Electropure™ EDI Technology**
- No concentrate recirculation or brine injection
- Thin-Cell efficient technology
- Thin-Concentrate non-scaling technology
- Unique non-scaling electrode system
- Patented Excell™ membranes

**Benefits of Using EDI**
- Continuous Process—no upsets
- Operating cost is minimized
- No hazardous waste, no associated costs and risks
- No regeneration acid or caustic
- Flexible—easy to expand a modular EDI system
- Reliable—no recirculation system components to fail

**Doing business with SnowPure**
- Electropure™ EDI technology was born in 1977, before lonpure
- SnowPure is privately held
- SnowPure is your partner, not a competitor
- High quality Electropure™ EDI training and OEM support

**EDI Technology Training and OEM System Design Support**
- SnowPure believes strongly in training—this helps ensure field success with Electropure™ EDI systems.
- SnowPure assists new OEM customers through their system design phase.
- Our customers also have access to our Best Practices PID’s to aid in their EDI system optimization.
- Combined with ongoing Technical Service, we help ensure success.

**SnowPure Water Technologies**
130 Calle Iglesia
San Clemente, CA 92672, USA
Tel: +1.949.240.2166
info@snowpure.com
www.snowpure.com

**SnowPure International, Ltd.**
Hong Kong
info@snowpureintl.com

**China Sales Office**
Electropure Environmental Technology (Shanghai) Co. Ltd.
Shanghai, China
13011607576@163.com
www.snowpure.com.cn

**Middle East Sales Office**
Amman, Jordan
info@middle-east.snowpure.com

**India (Authorized Distributor)**
Evergreen Technologies Pvt. Ltd.
Mumbai, India
info@evergreenindia.com

**Japan (Authorized Distributor)**
AMP Itonax / Mihama Group
Tokyo, Japan
info-mh@mjama.com
www.amp-one.com

**Korea (Authorized Distributor)**
Innomeditech, Inc.
Seoul, South Korea
info@innomitech.co.kr

**Nordic (Authorized Distributor)**
PWS Pure Water Scandinavia AB
Falun, Sweden
lars.wiklund@purewater.se

**Germany (Authorized Distributor)**
TES Water Treatment GmbH
Hockenheim, Germany
info@tes-water.de

**Austria, Switzerland, Czech, Slovakia (Authorized Distributor)**
ROC Components AG
Rainach, Switzerland
info@roc.ch

**South Africa (Authorized Distributor)**
Marsi Water (Pty) Ltd
Cape Town, South Africa
sales@marsiwater.com

**Ukraine/Baltics (Authorized Distributor)**
Nexx PE
Kyiv, Ukraine
com@nexx.ua

www.snowpure.com