



SNOWPURE

Water Technologies

Electropure™ EDI EXL-750

New: Higher Quality EDI at Higher Feed Conductivity

EXL-750 High TDS EDI Modules

ELECTROPURE™ EXL-750 EDI modules are designed to be the highest rejection EDI modules on the market. EXL is configured to easily build ultrapure water systems with the well-known benefits of Electropure™ EDI technology. The EXL-750 can achieve high quality even with 1-Pass RO, saving you money.

ELECTROPURE™ EXL-750 modules have next-generation innovative technology inside. The 750 series is designed to handle high FCE, Feed Conductivity Equivalent. This means that the EXL-750 performs very well at higher TDS and higher CO₂ and SiO₂ loading. As always EXL includes Electropure's patented Excellion™ membranes, "never-leak" permanent O-ring seals, unique non-scaling electrode system, efficient thin-cell technology, and connections using +GF+ unions.

Electropure™ EDI thin-concentrate technology effectively eliminates scaling. And with Electropure™ EDI technology's excellent mass-transfer design, you don't need salt injection, you don't need feed-and-bleed systems, and you don't need the IONPURE® "all-filled" design.



Parameter	SI Units	US Units
1-Pass RO + GTM Design Flow	6.0 m ³ /h	25 gpm
2-Pass RO Design Flow	7.0 m ³ /h	30 gpm
Maximum Recommended Flow	8.0 m ³ /h	35 gpm
Recovery*	Up to 99%	Up to 99%
Normal Pressure Drop (25°C)	3 bar at 7.0 m ³ /h	45 psi at 30 gpm
Maximum Pressure	7 bar	100 psi

SnowPure recommends Liqui-Cel® GTM for CO₂ removal * with electrode flow to drain, and concentrate flow recovery

EDI Module Parameters	Recommended for Optimum Performance	Maximum
Feedwater Conductivity Equivalent Including CO ₂ (FCE, see calculation)	<9 uS/cm	<43 uS/cm
pH	7.0 to 7.5	5.0 to 9.5
Total Chlorine (as Cl ₂) and Ozone (O ₃)	ND	ND
Iron (Fe)	ND	<.01 ppm
Manganese (Mn)	ND	<.01 ppm
Sulfide (S ⁻)	ND	<.01 ppm
Total Hardness (as CaCO ₃)	<0.5 ppm	<1 ppm
Total Silica (as SiO ₂)	<0.2 ppm	<0.5 ppm
Total Organics (TOC as C)	ND	<0.5 ppm
Temperature	10 to 35C (50-95F)	5 to 45C (40-110F)
Voltage	450VDC	550VDC
Concentrate Flow Direction	Upward	Upward
Feed Flow Direction	Upward	Upward
Dimensions (EXL-750) (WidthxHeightxDepth)	314x606x386 mm (12.4x24x15.2 in)	
Operating Weight (EXL-750)	97 kg (214 lb)	
Shipping Weight (EXL-750)	102 kg (225 lb)	

SnowPure Water Technologies
130 Calle Iglesia
San Clemente, CA 92672, USA
Tel: +1.949.240.2188
info@snowpure.com
www.snowpure.com

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

China Sales Office
Electropure Environmental Technology (Shanghai) Co. Ltd.
伊乐科环保科技有限公司(上海)有限公司
Shanghai, China
13818807576@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 Ionex / Mihama Group
美浜株式会社
Tokyo, Japan
info-mhg3@mihama.com
www.amp-ionex.com

Korea (Authorized Distributor)
Innomeditech, Inc.
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Seoul, South Korea
info@innomt.com
www.innomeditech.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
Reinach, Switzerland
info@roc-ch.com

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

Ukraine/Baltics (Authorized Distributor)
Nerex PE
Kyiv, Ukraine
com@nerex.ua

Electropure™ EDI Technology

- No concentrate recirculation or brine injection
- Thin-Cell efficient technology
- Thin-Concentrate non-scaling technology
- Unique non-scaling electrode system
- Patented Excellion™ membranes

Doing business with SnowPure

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

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

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 P&ID's to aid in their EDI system optimization.
- Combined with ongoing Technical Service, we help ensure success.



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