



Electropure EDI
Simple EDI

Electropure™ EDI XL-R Modules

NEW!

XL-R Industrial EDI Modules

ELECTROPURE™ XL-R modules are industrial EDI modules for producing high-resistivity Ultrapure water. They are configured to easily retrofit existing systems with added Electropure™ technology benefits, so the old troublesome Dow Omexell® and GE E-Cell® CONCENTRATE RECIRCULATION IS ELIMINATED.

ELECTROPURE™ XL-R modules have the compact Electropure profile and have Electropure™ EDI technology inside. This includes Electropure's patented Excellion™ membranes, our unique non-scaling electrode system, and our efficient thin-cell technology.

And with Electropure™ EDI thin-concentrate technology, there is no need for the troublesome Omexell® and E-Cell® recirculation system, so it can be eliminated from the system. With the mass-transfer built into Electropure™ EDI thin-concentrate technology, you don't need either salt injection or feed-and-bleed systems. You also don't need the IONPURE® "all-filled" design.



	XL-100-R	XL-200-R	XL-300-R	XL-400-R	XL-500-R
Design Flow	100 l/h (0.5 gpm)	200 l/h (1 gpm)	500 l/h (2.5 gpm)	1.0 m3/h (5 gpm)	1.7 m3/h (7.5 gpm)
Module Flow Range	80-150 l/h (0.3-0.7 gpm)	100-300 l/h (0.5-1.5 gpm)	300-1000 l/h (1.5-4.5 gpm)	0.6-1.5 m3/h (2.5-7 gpm)	1.3-2.3 m3/h (6-10 gpm)
Recovery*	Up to 90%	Up to 95%	Up to 97%	Up to 99%	Up to 99%
Recommended Voltage	48 VDC	100 VDC	150 VDC	200 VDC	300 VDC
Normal Pressure Drop**	2-3 bar (30-45 psi)	2-3 bar (30-45 psi)	2-3 bar (30-45 psi)	2-3 bar (30-45 psi)	2-3 bar (30-45 psi)
Maximum Pressure	5 bar (75 psi)	5 bar (75 psi)	5 bar (75 psi)	5 bar (75 psi)	5 bar (75 psi)

* with electrolyte to drain, and concentrate recovery

** 25C, at design flow

SnowPure, LLC ♦ 130 Calle Iglesia ♦ San Clemente, CA 92672 USA
tel +1.949.240.2188 ♦ fax +1.240.2184 ♦ info@snowpure.com

EDI Module Parameters	Recommended for Optimum Performance	Maximum			
Feedwater Conductivity Equivalent Including CO ₂ (FCE, see calculation*)	<9 µS/cm	<33 µS/cm			
pH	7.0 to 7.5	5 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	15 to 30C (60-85F)	5 to 35C (40-95F)			
Concentrate Flow Direction	Upward	Upward			
Feed Flow Direction	Upward	Upward			
Dimensions (Width x Height x Depth)	22x56xD cm	(8.5x22xD in)			
Depth:	XL-100-R 17 cm (6.5 in)	XL-200-R 19 cm (7.5 in)	XL-300-R 26 cm (10 in)	XL-400-R 29 cm (11.5 in)	XL-500-R 37 cm (14.5 in)

SnowPure, LLC
130 Calle Iglesia
San Clemente, CA 92672 USA
+1.949.240.2188
+1.949.240.2184 fax
info@snowpure.com

Europe and Rest of World
SnowPure International, Ltd.
Hong Kong, Hong Kong
info@snowpureintl.com

China Sales Office
Electropure Environmental Technology (Shanghai) Co. Ltd.
Room 117 Bldg 7
No 988 Zhenbei Road
Shanghai, China 200333
+86.21.6152.6136
+86.21.6152.6139 fax
www.electropure.com.cn

India (Authorized Distributor)
Evergreen Technologies Pvt. Ltd.
3-D, Maker Bhavan-2
18, New Marine Lines,
Mumbai 400 020, India
+91.2201.2461
+91.2201.0024 fax
www.evergreenindia.com

Japan (Authorized Distributor)
AMP Ionex / Mihama
Toranomon Kotohira Tower
Minato-Ku 1-2-8 Toranomon
Tokyo 105-8437, Japan
+81.3.4570.3819 phone
+81.3.4570.3806 fax
www.mihama.com

Korea (Authorized Distributor)
Innomeditech, Inc.
510, Hoseo-Univ.
Venture Tower 319
Gasam-dong, Geumcheon-gu
Seoul Korea 153-802
Tel : +82-2-2627-5311
Fax : +82-2-2627-5312
www.innomeditech.co.kr

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, both during the OEM training and during the design process. Support includes reviews of P&I diagrams and feedwater requirements.
- Combined with ongoing Technical Service, we help ensure success.

SnowPure
High Technology Water

makers of
Electropure EDI
products