



# SNOWPURE

## Water Technologies

DemandPure™3 — *KISS: Keep it Simple EDI Systems™*

### For Qualified OEMs Only

The **DemandPure™3 KISS EDI** is the simplest way to replace Commercial & Industrial portable exchange DI, and to provide a recurring revenue (BOO or BOOT) solution to dealers, whenever an exchange tank solution is not economic or welcomed.

**DemandPure™3 KISS EDI Keep It Simple Systems™** are completely automatic and can easily be installed after an RO, and left in place with no need for weekly or monthly maintenance.

SnowPure manufactures and sells pre-engineered, pre-assembled Commercial/Industrial EDI DemandPure™ EDI skids to Qualified OEMs and Dealers for sale or lease to users.

### Benefits

- No operator flow settings—flow control internal
- No resin to exchange
- Operating cost (electrical) is pennies per day
- Eliminates disruptive visits to Customers' sites
- Ideal for remote locations
- Chemical-free, environmentally friendly

### Features

- Simple: minimal instrumentation
- 2 MΩ DI sensor with red/green indicator lights
- Compact portable skid design
- Sleek, clean laboratory look
- Works with existing RO systems
- Internal flow orifices
- Includes 5 micron prefilter



**DemandPure™3 KISS EDI System**

SnowPure Water Technologies • 130 Calle Iglesia, San Clemente, CA 92672 USA • +1.949.240.2188

# DemandPure™ KISS EDI System

## Specifications

	DemandPure™ SPDP-3-KISS-200	DemandPure™ SPDP-3-KISS-300	DemandPure™ SPDP-3-KISS-400	DemandPure™ SPDP-3-KISS-500
<b>Nominal Capacity</b>	0.5- 1 gpm 110-225 lph	1-3 gpm 225-700 lph	3-5 gpm 700-1100 lph	5-7 gpm 1100-1600 lph
<b>Minimum Feed Pressure</b>	25 PSI (1.7 bar)	25 PSI (1.7 bar)	30 PSI (2 bar)	35 PSI (3 bar)
<b>Maximum Feed Pressure</b>	75 PSI (5 bar)			
<b>Nominal Discharge Concentrate + Electrode</b>	0.10 gpm	0.3 gpm	0.5 gpm	0.7 gpm
<b>Nominal Recovery</b>	90%			
<b>Feed Conductivity <sup>1</sup></b>	Optimum FCE <9µS/cm Max FCE 33µS/cm			
<b>Total CO<sub>2</sub> + HCO<sub>3</sub><sup>-</sup></b>	< 5 mg/l CO <sub>2</sub> + HCO <sub>3</sub> <sup>-</sup> (Optimum < 2 mg/l CO <sub>2</sub> + HCO <sub>3</sub> <sup>-</sup> )			
<b>Hardness</b>	< 1.0 ppm @ 90% recovery (ask about higher hardness)			
<b>Organics</b>	< 0.5 ppm TOC			
<b>Metals</b>	< 10 ppb			
<b>Feed Temp</b>	Optimum: 15° C—30° C Range: (5° C—35° C)			
<b>Feed pH</b>	Optimum: 7.0—7.5 Range: 5.0—9.5			
<b>Feed Chlorine</b>	ND			
<b>Silica, SiO<sub>2</sub></b>	< 0.5 ppm			
<b>Power Usage</b>	Nominal: 200W- Max: 800W FLA: 8A	Nominal: 300W- Max: 1.2 kW FLA: 8A	Nominal: 400W- Max: 1.6 kW FLA: 10A	Nominal: 600W- Max: 1.6kW FLA: 12A

	DemandPure™ SPDP-3-KISS-200	DemandPure™ SPDP-3-KISS-300	DemandPure™ SPDP-3-KISS-400	DemandPure™ SPDP-3-KISS-500
<b>Dry Weight (approximate)</b>	173 lbs/80 kg	185 lbs/ 85 kg	195lbs/ 89 kg	230 lbs/ 105 kg
<b>Dims (approximate)</b>	31" (788mm) L x 21" (533mm) W x 60"(1524mm) H			
<b>Frame</b>	Steel /Powder Coated			
<b>Pressure Gauge</b>	At filter outlet: SS case, bronze internals, glycerin-filled			
<b>Pressure Regulator</b>	Nickle Plated Bronze, 3/4", set at 40 psi (2.7 bar)			
<b>Piping</b>	3/4" PVC Sch. 80			
<b>Valves</b>	Inlet isolation manual ball valve, 2 sample valves			
<b>Flow Control</b>	Product, concentrate & electrode flow control orifices			
<b>Switches</b>	Off/on switch, feed low pressure cut-out, concentrate low flow cut-out			
<b>Electrical Input</b>	180-264 VAC, 50/60 Hz, 1-Phase			
<b>Feed/Product/Conc.</b>	3/4" Female Threaded PVC Union			
<b>Product Quality</b>	2 MΩ DI quality indicator with red-green indicator & alarm Typical product quality: 5-18.2 MΩ *depends on FCE <sup>1</sup> of RO permeate <sup>2</sup>			

1.  $FCE = \text{Conductivity} + 2.79 \times (\text{CO}_2) + 1.94 \times (\text{SiO}_2)$

Example: Conductivity=5.0µS/cm, CO<sub>2</sub>=3.5 mg/l, SiO<sub>2</sub>=0.5 mg/l  
 $FCE = 5.0 + 2.79 \times (3.5) + 1.94 \times (0.5) = 15.7 \mu\text{S/cm}$   
*Note: Conductivity (µS/cm) ~ 2.22 \* TDS (mg/l)*

2. EDI performance can be estimated using EDICAD™

## 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.



### SnowPure Water Technologies

130 Calle Iglesia  
San Clemente, CA 92672, USA  
Tel: +1.949.240.2188  
[info@snowpure.com](mailto:info@snowpure.com)  
[www.snowpure.com](http://www.snowpure.com)

### SnowPure International, Ltd.

Hong Kong  
[info@snowpureintl.com](mailto:info@snowpureintl.com)

### China Sales Office

Electropure Environmental  
Technology (Shanghai) Co. Ltd.  
伊乐环保科技有限公司(上海)有限公司  
Shanghai, China  
[13818807576@163.com](mailto:13818807576@163.com)  
[www.snowpure.com.cn](http://www.snowpure.com.cn)

### Middle East Sales Office

Amman, Jordan  
[info@middle-east.snowpure.com](mailto:info@middle-east.snowpure.com)

### India (Authorized Distributor)

Evergreen Technologies Pvt. Ltd.  
Mumbai, India  
[info@evergreenindia.com](mailto:info@evergreenindia.com)

### Japan (Authorized Distributor)

AMP Ionex / Mihama Group  
美浜株式会社  
Tokyo, Japan  
[info-mhg3@mihama.com](mailto:info-mhg3@mihama.com)  
[www.amp-ionex.com](http://www.amp-ionex.com)

### Korea (Authorized Distributor)

Innomeditech, Inc.  
주식회사 이노메디텍  
Seoul, South Korea  
[info@innomt.com](mailto:info@innomt.com)  
[www.innomeditech.co.kr](http://www.innomeditech.co.kr)

### Nordic (Authorized Distributor)

PWS Pure Water Scandinavia AB  
Falun, Sweden  
[lars.wiklund@purewater.se](mailto:lars.wiklund@purewater.se)

### Germany (Authorized Distributor)

TES Water Treatment GmbH  
Hockenheim, Germany  
[info@tes-water.de](mailto:info@tes-water.de)

### Austria, Switzerland, Czech, Slovakia (Authorized Distributor)

ROC Components AG  
Reinach, Switzerland  
[info@roc-ch.com](mailto:info@roc-ch.com)

### South Africa (Authorized Distributor)

Marsi Water (Pty) Ltd  
Cape Town, South Africa  
[sales@marsiwater.com](mailto:sales@marsiwater.com)

### Ukraine/Baltics (Authorized Distributor)

Nerex PE  
Kyiv, Ukraine  
[com@nerex.ua](mailto:com@nerex.ua)



[www.snowpure.com](http://www.snowpure.com)