



# SNOWPURE

## Water Technologies

### HIGH PURITY LABORATORY EDI: *Zapwater™*

Electropure™ EDI technology has now been brought down in size.

*Zapwater™* EDI modules are designed for small countertop or wall-mount laboratory water deionization products, which produce ASTM Type I & II, or JIS A2 to A4 water.

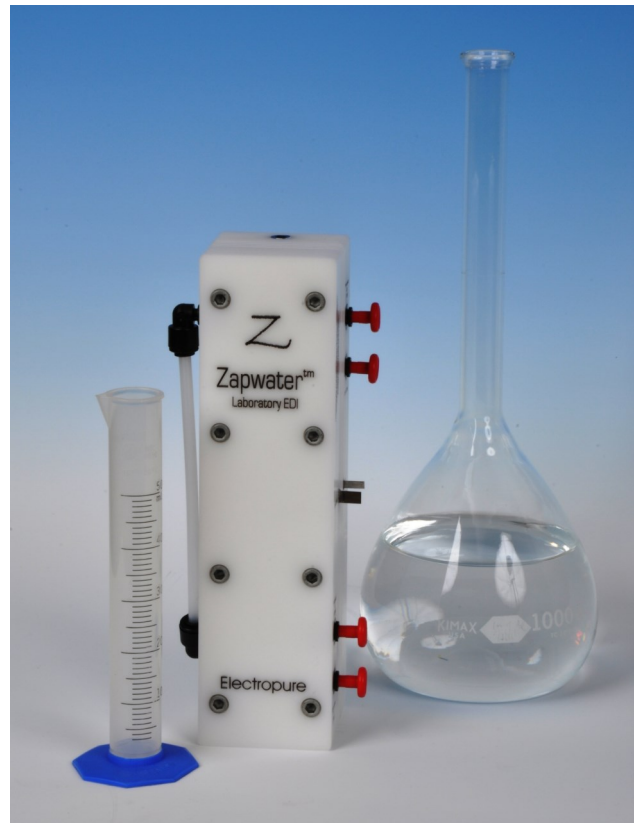
*Zapwater™* customers can expand their existing laboratory RO/DI/UF product lines to include an EDI-based product. It will be easy to incorporate the compact *Zapwater™* and small DC power supply into current laboratory countertop products.

*Zapwater™* modules produce ten or twenty liters per hour (10/20 lph) from a high quality pretreated RO feed. The module will produce at least 6 Megohm water at 77% recovery. Typical quality will be 10-17 Megohm.cm depending on feed water quality.

A high-quality DC switching power supply, shipped with the module, provides the voltage and current needed to drive the EDI process. The module is compact at 25 cm height by 7 cm width.

#### Distribution:

SnowPure is choosing established standard product companies who design and manufacture laboratory pure water products to market the *Zapwater™* EDI in their countertop units.

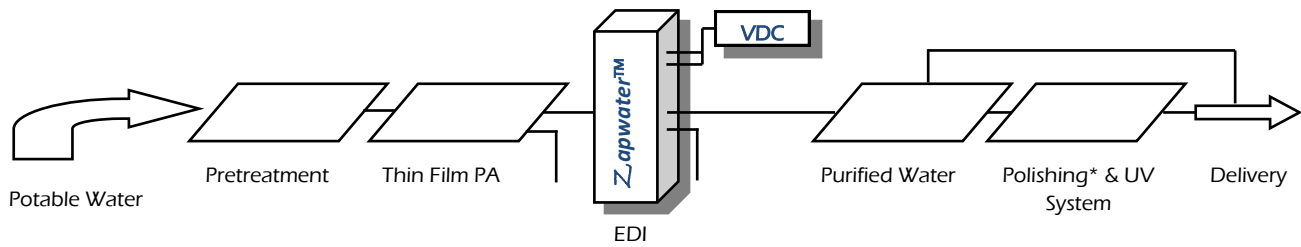


#### *Zapwater™* Features

- ◇ Flow at 10 or 20 lph
- ◇ Quality > 6 Megohm.cm
- ◇ > 75% Recovery
- ◇ 24 or 48VDC switching power supply included
- ◇ Compact: 25 x 7 cm
- ◇ Connections: Metric Standard, US Optional

# System Design for Water Purification Products

## Using: Zapwater™ EDI



### Zapwater™ EDI Specifications

Model: Zap-10 or Zap-20  
Product Flow: 10 or 20 lph, typical  
Size: 25 x 7 cm (7 or 9 cm deep)  
Material: FDA/CFR 21 Approved: PP, PPO, IX Resin  
Mounting: Threaded metric holes, M6  
Plumbing Connections: John Guest push-in tubing fittings  
Standard: Metric: 6mm  
Concentrate Flow: 3 or 6 lph, typical  
Feed Quality: RO permeate, < 10 uS/cm TDS, < 5 ppm CO<sub>2</sub>  
Recovery: 77% minimum  
Pressure Drop: < 0.1 bar  
Electrical: 24 or 48 VDC (0.75 amp maximum) provided  
Controls: Power must be off unless there is flow to the module

### Pretreatment Cartridges (\*replacement business)

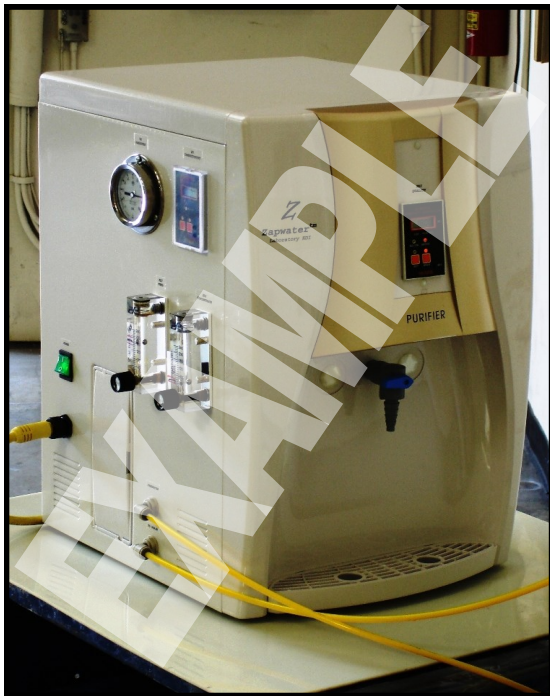
- \*Activated Carbon: Chlorine Scavenger
- \*Cation Resin: Softener
- \*Acid Neutralizer: CO<sub>2</sub> Scavenger
- \*Macro Resin: Organic TOC Scavenger
- \*1 micron Filtration: RO Protection

### RO Module

- \*High Rejection Thin Film PA RO 13-16 lph (80 gpd)  
(High quality RO offered by SnowPure)

### Polishing Cartridges\*

- \*Mixed Bed for ASTM Type I or JIS A4
- \*Submicron Filter (UF, 0.05 micron)
- UV (185/254nm)



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