Electopure™ 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.

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**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 µS/cm TDS, < 5 ppm C<sub>0</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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