



LENNTECH
WATER TREATMENT SOLUTIONS

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.

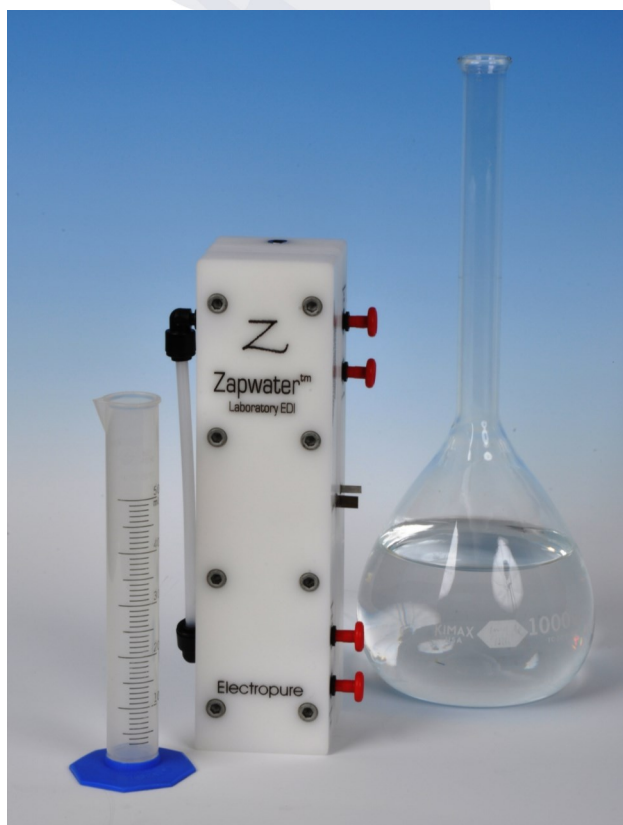
Zapwater™ customers can expand their existing laboratory RO/DI/UF product lines to include an EDI-based product. It will be easy to incorporate the compact *Zapwater™* and small DC power supply into current laboratory countertop products.

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.

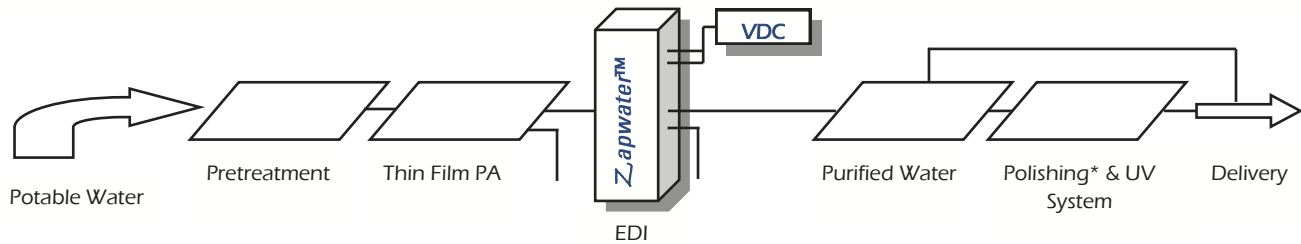


Zapwater™ Features

- ◇ 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 CO₂
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)

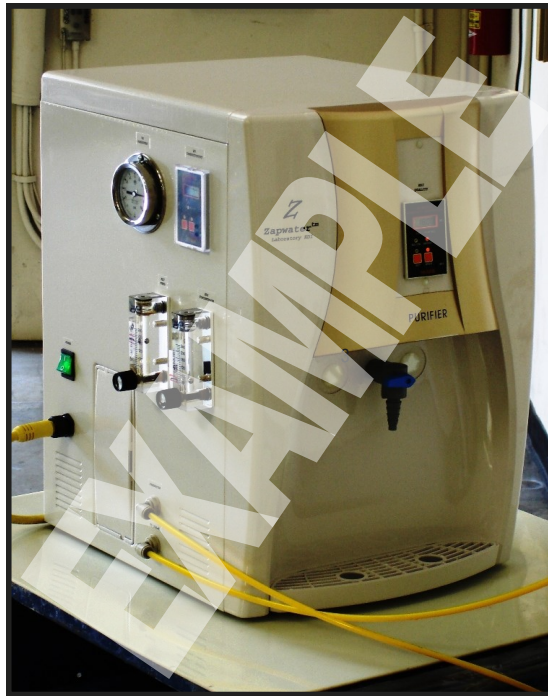
- *Activated Carbon: Chlorine Scavenger
- *Cation Resin: Softener
- *Acid Neutralizer: CO₂ Scavenger
- *Macro Resin: Organic TOC Scavenger
- *1 micron Filtration: RO Protection

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)



Example: Laboratory Countertop System