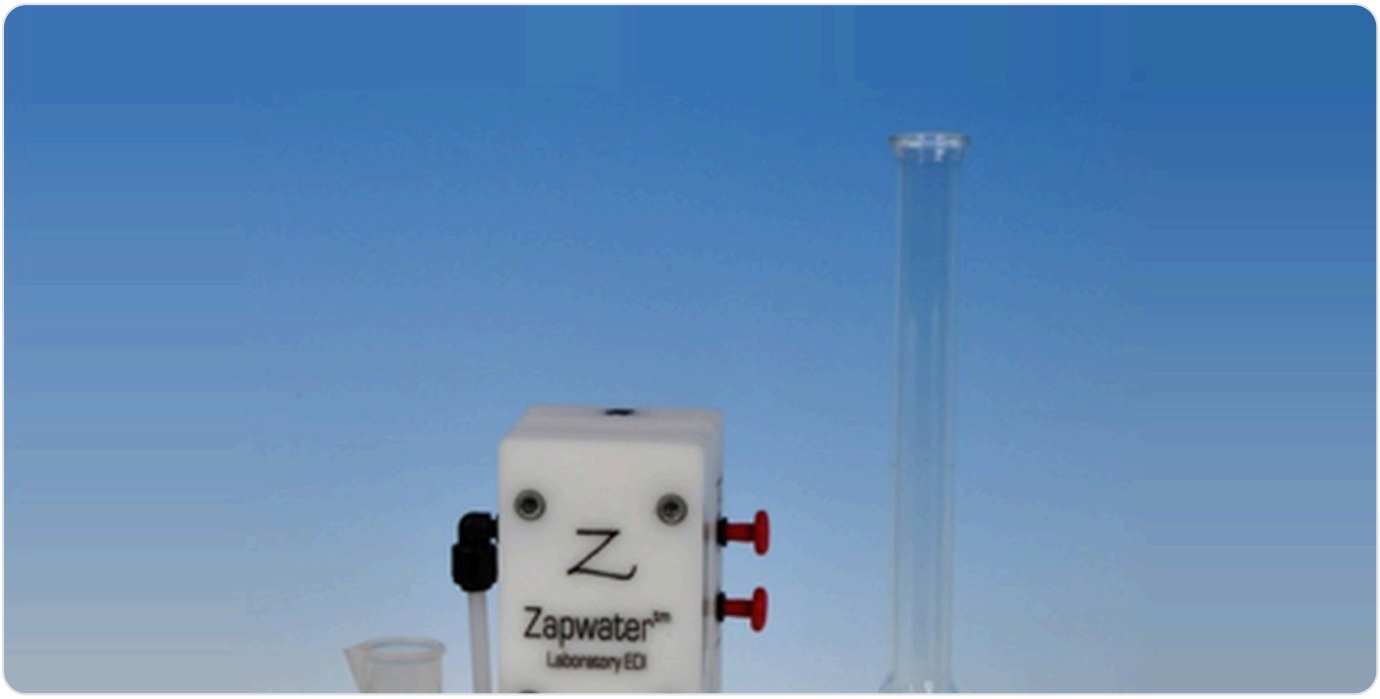
PRODUCT DATASHEET

Lab Electrodeionisation System (TECH-10 / TECH-20 EDI)



OVERVIEW

Lab Electrodeionisation (EDI) Systems represent advanced water purification technology combining ion-exchange resins, ion-selective membranes, and an applied electric field to continuously remove dissolved ions from water. The TECH-10 and TECH-20 models are specifically engineered for laboratory applications, producing ultrapure water (Type I/II) suitable for analytical, biochemical, and pharmaceutical work without chemical regeneration requirements.

MODELS AND CONFIGURATIONS

- **TECH-10 EDI** – Compact lab-scale unit optimised for small research groups and analytical labs
- **TECH-20 EDI** – Enhanced lab-scale unit with increased capacity for larger laboratory facilities

APPLICATIONS

Laboratory ultrapure water production for analytical instruments; analytical chemistry applications and quality control testing; biochemical and pharmaceutical research procedures.

KEY ADVANTAGES

- Continuous ultrapure water production ensuring consistent analytical results
- No chemical regeneration required, eliminating hazardous chemical handling and waste disposal
- Compact lab-scale design optimised for benchtop integration and space efficiency
- Low operating costs reducing long-term laboratory water supply expenses
- Consistent water quality output meeting Type I and Type II water standards

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mail@techincresearch.com · +1 (289) 622-1032 · www.techincresearch.com

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