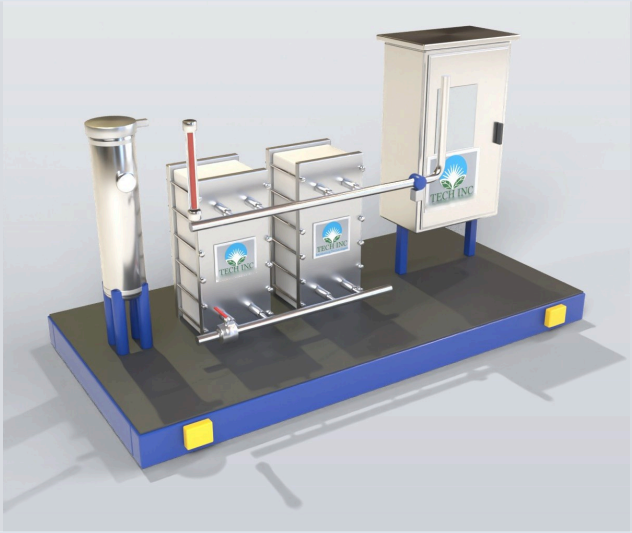
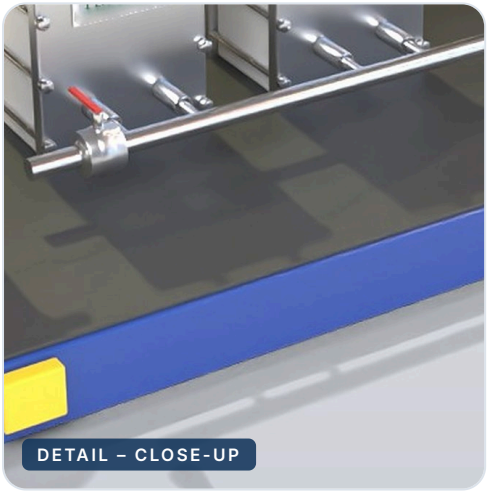
PRODUCT DATASHEET

Medium Electrodeionisation System (TECHM-M50 / TECHM-M100 EDI)





DETAIL – CLOSE-UP

OVERVIEW

Medium Electrodeionisation (EDI) Systems combine advanced ion-exchange resins with ion-selective membranes under a controlled electric field to continuously purify water. The TECHM-M50 and TECHM-M100 models are engineered for medium-capacity water purification, producing consistent high-purity water suitable for laboratory, pharmaceutical, and analytical applications without requiring chemical regeneration cycles.

MODELS AND CONFIGURATIONS

- **TECHM-M50 EDI** – Compact medium-capacity unit optimised for laboratory and analytical applications
- **TECHM-M100 EDI** – Higher capacity variant supporting larger facility requirements

APPLICATIONS

Medium-scale laboratory water purification systems; pharmaceutical manufacturing ultrapure water production; analytical and quality control laboratory water supply; electronics and precision manufacturing process water.

KEY ADVANTAGES

- Continuous medium-scale water purification without interruption or chemical regeneration
- Ultralow conductivity output water meeting Type I and Type II water specifications
- Stable and consistent water quality enabling reliable analytical results
- Significantly reduced operating costs compared to traditional ion-exchange systems
- Modular, expandable design supporting future capacity increases

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