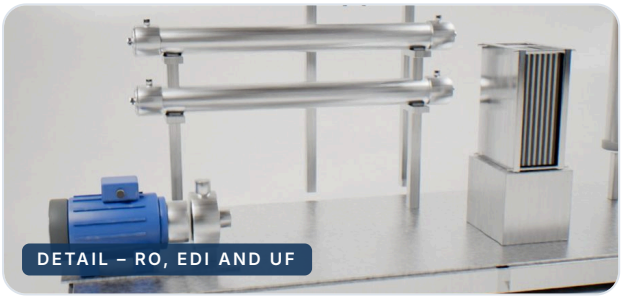
PRODUCT DATASHEET

Membrane-Based Cold WFI System

Cold WFI with RO, EDI and UF





DETAIL – RO, EDI AND UF

OVERVIEW

The Tech Inc. Membrane-Based Cold WFI System makes water for injection at ambient temperature with double-pass RO, EDI and ultrafiltration, as allowed by the European Pharmacopoeia since 2017 and long accepted in USP. It uses a fraction of the energy of distillation and is sanitised with hot water or ozone.

MODELS AND CONFIGURATIONS

- **Standard system** – RO, EDI and UF.
- **With ozonated storage** – cold loop kept sanitised by ozone.
- **Hot-water sanitisable** – periodic 80 °C sanitisation.

TYPICAL DESIGN DATA

Output	500 to 10 000 L/h
Quality	To EP and USP WFI
Energy	Much lower than distillation
Sanitisation	Hot water or ozone

APPLICATIONS

Parenteral and biotech plants looking to cut energy use and steam demand.

KEY ADVANTAGES

- **Lower energy** – no evaporation
- **Lower water loss** – high recovery
- **Compact** – single skid
- **Membrane know-how** – we build RO, EDI and UF in-house

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

Offices: Chennai · Toronto · Tallinn · Al Khobar

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

Disclaimer: All products, designs and content are the property of Tech Inc. Tech Inc. reserves the right to change specifications and details without notice. Images are for representation only; the supplied equipment may differ in appearance. Data are typical; final design to client specification.