PRODUCT DATASHEET

Purified Water Generation Skid (RO and EDI)

USP and EP purified water by RO and EDI





DETAIL – RO HOUSINGS ON RACK

OVERVIEW

The Tech Inc. Purified Water Generation Skid (RO and EDI) produces purified water (PW) for pharmaceutical, biotech and cosmetics plants without regeneration chemicals. Softened, dechlorinated feed passes through one or two RO passes and an EDI stage, with conductivity, TOC and temperature monitored at the outlet.

MODELS AND CONFIGURATIONS

- **Single-pass RO + EDI** – good feed water.
- **Double-pass RO + EDI** – difficult feeds and higher margins.
- **Hot-water sanitisable** – 80 °C sanitisation of RO and EDI.

TYPICAL DESIGN DATA

Output	500 to 20 000 L/h
Quality	To USP and EP purified water
Materials	SS316L, Ra ≤ 0.6 µm
Sanitisation	Hot water or chemical

APPLICATIONS

Pharmaceutical formulation, biotech, API plants, cosmetics, and feed to WFI and pure steam generators.

KEY ADVANTAGES

- **No regeneration chemicals** – EDI replaces ion exchange
- **Consistent quality** – online conductivity and TOC
- **Validation-ready** – documented design and testing
- **Compact** – pre-assembled on one skid

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

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