PRODUCT DATASHEET

Selective Ion-Exchange Polishing Skid for Liquid Waste

Caesium- and strontium-selective ion-exchange columns that polish low-level liquid waste

Product page





Close-up: shielded columns and valve manifold

OVERVIEW

The Tech Inc. Selective Ion-Exchange Polishing Skid for Liquid Waste polishes low-level liquid waste by passing it through columns of selective ion-exchange media that capture caesium, strontium and other ions. Clean effluent leaves for discharge or reuse under the site's limits, and spent media is changed out remotely.

TYPICAL DESIGN DATA

Flow	About 0.5 to 5 m³/h
Media	Selective sorbents or ion-exchange resin chosen by the operator
Materials	304L or 316L stainless
Codes and standards	Pressure parts and quality plan to the client's specification; electrical to IEC 60204-1
Shielding	To the operator's specification
Operation	Remote valve operation and change-out
Classification	Non-safety-class process equipment

MODELS AND CAPACITIES

- **TI-NIX-0.5** – about 0.5 m³/h
- **TI-NIX-2** – about 2 m³/h
- **TI-NIX-5** – about 5 m³/h

Indicative flow.

ORDERING CODE

Example **TI-NIX-2-3C**: **2** flow, m³/h; **3C** columns: 2C lead–lag, 3C with guard.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual.
Options: shielded column housings; inline activity monitor connection; mobile frame; spare columns.

KEY ADVANTAGES

- **Selective** – targets caesium and strontium
- **Lead–lag** – full use of media
- **Small solid waste** – compact media volume
- **Remote change-out** – less exposure

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