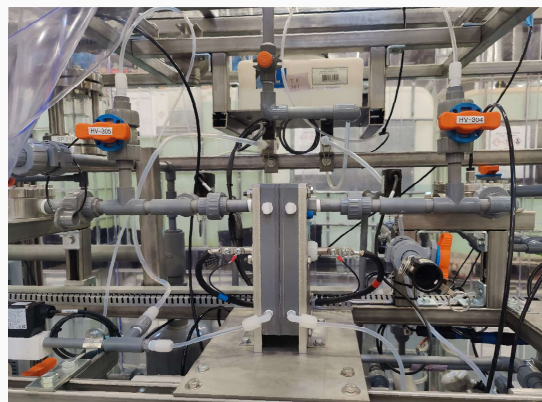


NS-01 CELL

Compact Electrolyzer for Flexible Lab-Scale Testing

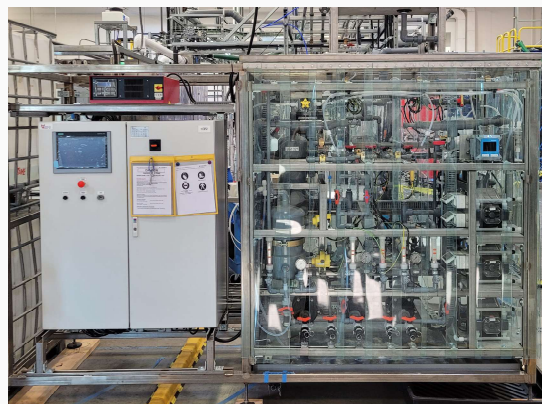


Close up Installed Cell

Product Overview

The NS-01 is a versatile electrochemical cell designed for research and pilot testing. Ideal for academic laboratories, R&D departments, and pilot-scale process development, this electrolyzer enables controlled experimentation on various brine chemistries.

With high configurability and real-time process monitoring, it supports the development and validation of next-generation electrolysis technologies, allowing for long-term testing of process conditions, membranes, and materials of construction—in a compact, bench-top-friendly design.



Set Up Cell



Designed for Research & Development

- Engineered for experimental flexibility and reproducibility.
- Ideal for testing current efficiency, membrane selectivity and long term operation.
- Compatible with lab-grade power sources and potentiostats.



Versatile Feedstock Compatibility

- Supports many brine chemistries, including: lithium chloride, lithium sulphate, and sodium sulphate.
- Easily adaptable to different experimental flowsheets and chemistries.
- Supports different membrane types and offers tunable interelectrode spacing.



Easy Maintenance & Cleaning

- Quick-disassembly components for easy cleaning, maintenance, and replacement.
- Chemically resistant materials for durability and safety.



Scalable Results

- Replicates the hydraulic behavior of the 100x larger A15 Commercial Electrolyser to ensure linearly scalable results from lab to commercial scale.
- Supports parameter optimization for downstream process design.