

# Electrodeionization (EDI) System

Capacity: 100 - 20,000 LPH

EDI system is superior to a conventional mixed-bed deionization system both in ease of operation and maintenance. In addition, no chemicals are used for regeneration during the purification process.

## ■ Key Features

- **Premium UV Lamp** - Equipped with a high-quality UV lamp made in the USA, the UV-PRO Sterilizer delivers unparalleled performance, ensuring optimal water sterilization.
- **UV Observation Port** - The built-in UV observation port allows for seamless monitoring of UV intensity. For those requiring detailed monitoring, the sterilizer can be paired with an optional UV intensity monitor, providing real-time data on UV dosage.
- **Safety First** - Comes with a built-in Residual Current Circuit Breaker (RCCB) to protect against electrical leakage, ensuring the highest level of operational safety.
- **Advanced Control System** - The HMI touch screen panel, paired with PLC control, offers an intuitive interface for managing the sterilizer. Include:
  - No concentrate recirculation.
  - Thin-Cell efficient technology.
  - Patented non-scaling technology.
  - Patented Excellion membranes Continuous Process - no upsets.
  - Operating cost is minimized.
  - No hazardous waste, no associated costs and risks.
  - No regeneration acid or caustic.
  - Flexible — easy to expand a modular EDI system.
  - Reliable — no recirculation system components to fail.



## ■ Specification

### SnowEDI Series

Model	SnowEDI-100	SnowEDI-200	SnowEDI-500	SnowEDI-1000	SnowEDI-1800
Nominal Flow Rate (LPH)	100	200	500	1000	1800
Recovery Rate %	80-90	80-95	85-97	85-99	85-99
Input Conductivity (us/cm2)	2-15	2-15	2-15	2-15	2-15
Output Resistivity (MOhm)	16-18.2	16-18.2	16-18.2	16-18.2	16-18.2
Working Voltage Range (VDC)	48	100	150	200	300
Working Current Range (ADC)	0.2-2.0	0.2-2.0	0.2-2.0	0.2-2.0	0.2-2.0
Working Pressure (MPa)	0.15-0.40	0.15-0.40	0.15-0.40	0.15-0.40	0.15-0.40
Clean Water Input /Output Port	1" (25mm)	1" (25mm)	1" (25mm)	1" (25mm)	1" (25mm)
Concentrate Water Input/Output Port	1/2" (15mm)	1/2" (15mm)	1/2" (15mm)	1/2" (15mm)	1/2" (15mm)

### REDI Series

Model	REDI-100	REDI-250	REDI-500	REDI-1000	REDI-2000
Nominal Flow Rate (LPH)	100	250	500	1000	2000
Recovery Rate %	70-80	80-90	85-90	90-95	90-95
Input Conductivity (us/cm2)	2-15	2-15	2-15	2-15	2-15
Output Resistivity (MOhm)	16-18.2	16-18.2	16-18.2	16-18.2	16-18.2
Working Voltage Range (VDC)	6-20	40-80	10-40	30-60	50-100
Working Current Range (ADC)	0.2-0.3	0.2-0.3	1.0-2.0	1.0-2.0	1.0-2.0
Working Pressure (MPa)	0.15-0.40	0.15-0.40	0.15-0.40	0.15-0.40	0.15-0.40
Clean Water Input /Output Port	1" (25mm)	1" (25mm)	1" (25mm)	1" (25mm)	1" (25mm)
Concentrate Water Input/Output Port	1/2" (15mm)	1/2" (15mm)	1/2" (15mm)	1/2" (15mm)	1/2" (15mm)

### GEDI Series

Model	GEDI-3	GEDI-5	GEDI-10	GEDI-15	GEDI-20
Nominal Flow Rate (LPH)	3000	5000	10000	15000	20000
Recovery Rate %	85-95	85-95	85-95	85-95	85-95
Input Conductivity (us/cm2)	2-15	2-15	2-15	2-15	2-15
Output Resistivity (MOhm)	16-18.2	16-18.2	16-18.2	16-18.2	16-18.2
Working Voltage Range (VDC)	0-300	0-400	0-400	0-400	0-400
Working Current Range (ADC)	0-5.2	0-5.2	0-5.2	0-5.2	0-5.2
Working Pressure (MPa)	0.15-0.40	0.15-0.40	0.15-0.40	0.15-0.40	0.15-0.40
Clean Water Input /Output Port	1" (25mm)	1.5" (25mm)	1.5" (25mm)	2" (25mm)	2.5" (25mm)
Concentrate Water Input/Output Port	1/2" (15mm)	1/2" (15mm)	3/4" (15mm)	3/4" (15mm)	3/4" (15mm)