

CEDI Module

Handling, Preservation and Storage

General - IONPURE CEDI modules should be handled in such a way that biogrowth and change in module performance during long-term storage, shipping or system shutdowns are minimized.

Storage and Shipping of New IONPURE modules - All new IONPURE modules are shipped in a sealed condition as wet and tested modules. Older H-Series, Compact and P-Series modules are preserved with 100% propylene glycol. The glycol prevents drying of the ion exchange membrane during shipping and storage of modules (this is necessary because in these modules the outer edges of the ion exchange membranes are exposed to the air). Current MX, LX, and VNX modules do not require preservation (due to the outer o-ring seal surrounding the ion exchange membranes) but sealing of the module is critical to prevent drying of the internals (inspect red sealing caps prior to storage).

All modules have been tested by the Quality Control department at IONPURE, rinsed to quality and sealed with caps on the inlet/outlet connections. Please follow these guidelines for storage of IONPURE modules:

- Store inside a building or warehouse and not in direct sunlight.
- Temperature limits:
 - H-Series, Compact, P-Series Modules: 35°C (95°F) maximum
 - MX, LX, VNX Modules: 45°C (113°F) maximum
 - New modules will not be affected by temperatures below 32°F (0°C).
 - New modules will freeze below 0°C, but will not be damaged, provided the modules are thawed before installation and use.
- Keep new modules in their original packaging.
- Modules should be visually inspected to ensure sealing caps are tightly fitted.

Shelf Life / Preservation - For temporary shutdown, preservation may be required to properly protect the module from damage.

H-Series, Compact, P-Series Modules:

- 1) Drain water out of module.
- 2) Hook up cleaning skid and recirculate 100% glycol for 15 minutes.
- 3) Drain glycol and plug module. Preservation with glycol is effective for 2 years; longer storage may require flushing and re-preservation.

MX, LX, VNX Modules:

- 1) Drain water out of module.
- 2) Plug module on inlet/outlet connections (BSP threads) to protect from drying. Module shelf life has been demonstrated to be 2 years provided the module remains properly sealed and wet.

STARTUP

Follow instruction for installation/startup in the startup and installation of the module operating manual.

IONPURE® CEDI Modules
For more information about
**IONPURE Modules, call the local
ionpure center:**
<http://www.ionpure.com>

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