

FEDI®

Fractional Electrodeionization

QUA's Fractional Electrodeionization (FEDI®) is a next-generation ultrapure water technology, engineered to produce high purity water (up to 18 MΩ·cm) without the use of hazardous chemicals.

This two-stage patented technology solves the limitations of conventional EDI to allow industries produce continuous ultrapure water for various industrial applications. It consumes significantly less energy and tolerates higher hardness feeds than conventional EDI, helping lower the risk of scaling and improving plant design economics and reliability.



Ultrapure Water

Produce ultra-pure water up to 18 MΩ·cm with excellent silica and boron rejection.



Chemical-Free Process

Eliminates hazardous chemical storage, handling, and regeneration steps.



Energy-Efficient

Draws higher current only when needed, reducing energy consumption.



Hot Water Sanitization

FEDI Rx meets pharmaceutical, biomedical, and lab sanitization standards.



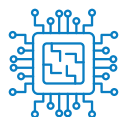
High Hardness Tolerance

Minimizes scaling risk which enhances system's reliability.

Key Applications



Power



Semiconductors



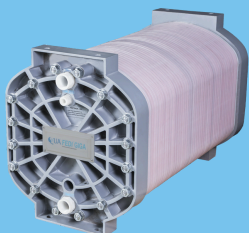
Pharma



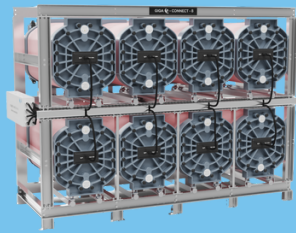
Solar



Refinery



FEDI GIGA



FEDI GIGA Q-Connect



FEDI SV



FEDI Rx

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