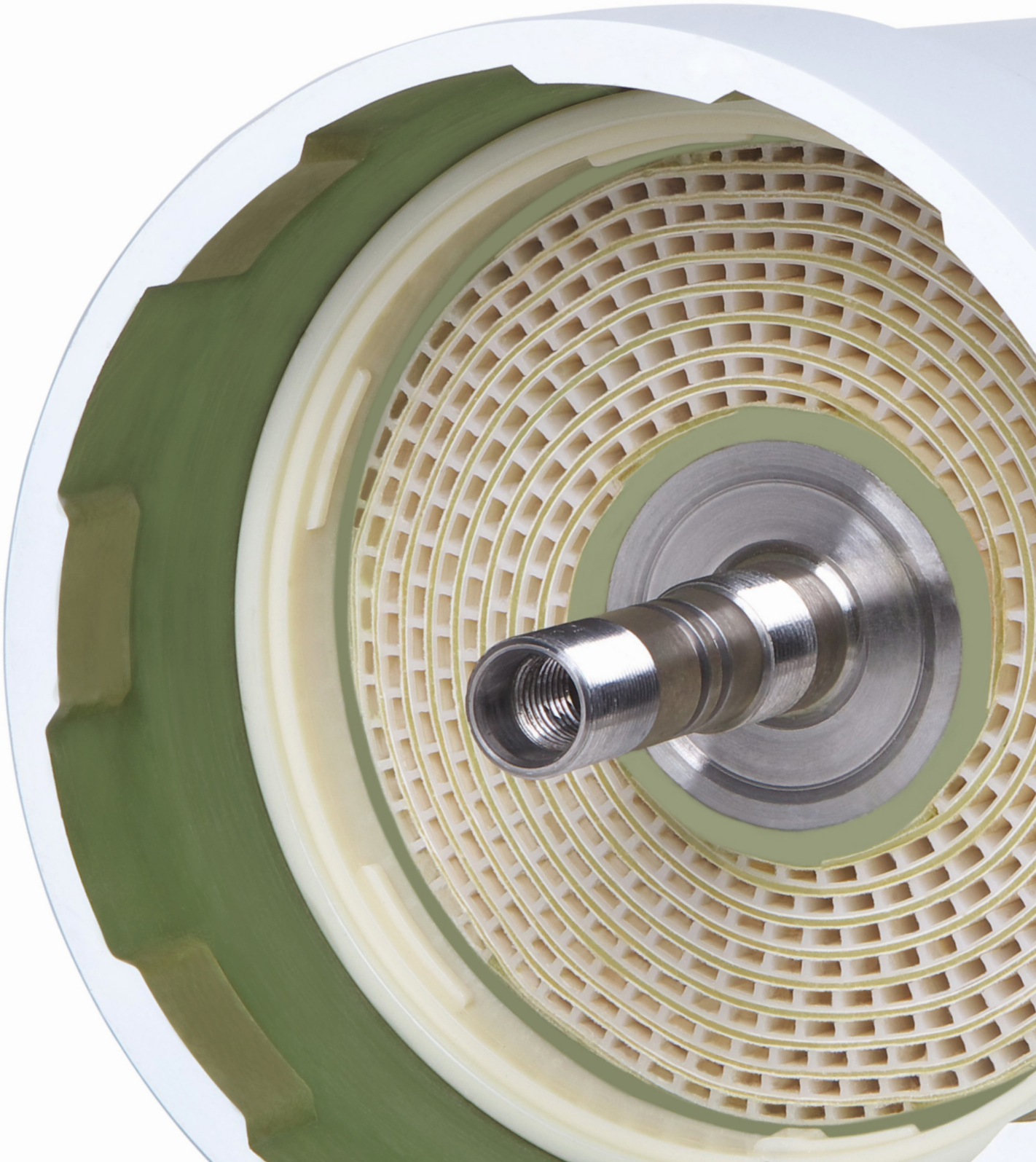
DUPONT™

Electrodeionization

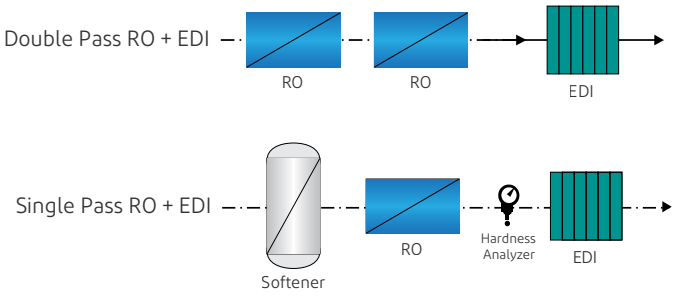


Electrodeionzation

Electrodeionization (EDI) is a continuous and chemical-free process of removing ionized and ionizable species from the feed water using DC power. EDI is typically used to polish reverse osmosis (RO) permeate and to replace conventional mixed bed ion exchange by eliminating the need to store and handle hazardous chemicals used for resin regeneration and associated waste neutralization requirements.

DuPont™ Electrodeionzation Modules

The patented DuPont™ Electrodeionization module utilizes a unique, leak free, low maintenance spiral wound design containing membrane and ion exchange resins sealed in high strength fiberglassed reinforced plastic (FRP) pressure vessel. DuPont™ Electrodeionization modules optimize performance, maintain continuous product quality and can produce up to 18 mega ohm-cm high purity water with high silica and boron removal.



EDI Applications



Power Generation

When combined with two pass RO, EDI systems offer an alternative to mixed beds and offer the highest possible level of reliability and performance. EDI has become the solution of choice for more and more power companies throughout the world.



Refineries & Chemical Operations

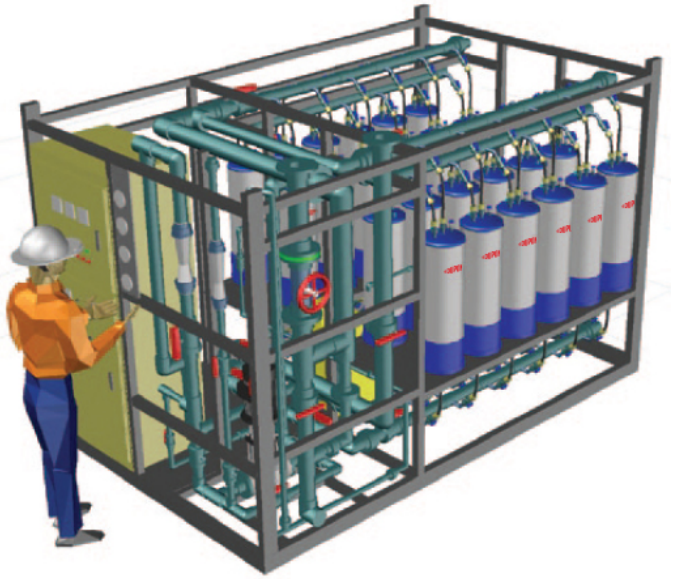
EDI is quickly gaining growing acceptance within the chemical industry as an alternative to regenerable mixed beds. Lower operating expenses and fewer maintenance requirements make EDI a cost effective solution for many plants.



Industrial High Purity Water

EDI can be used in a multitude of different applications wherever bottled or off site regenerated mixed beds are used. EDI delivers high water quality and meets the operational requirements of the industry.

DuPont™ Electrodeionzation Advantages



1. No Leakage

The DuPont™ Electrodeionization module is reliably sealed with high pressure top and bottom end caps, eliminating leakage problems commonly associated with plate and frame designs. Each module comes complete with an individual product water sample port.

2. Low Maintenance

Unlike plate and frame EDI systems, DuPont™ Electrodeionization modules do not require tightening of nuts and bolts at installation or the retorquing of bolts on an ongoing basis to prevent leaks.

3. Light Weight

Light weight modules are easy to work with and require no special lifting equipment.

4. A Growing Global Reputation – Proven the World Over.

The patented DuPont™ Electrodeionization module is growing in popularity and is quickly becoming the module of choice among leading global OEM's.

5. Quality Assurance

Each DuPont™ Electrodeionization module is performance and pressure tested prior to leaving our factory to ensure trouble free start-up performance. This ensures our modules will perform as promised and allows DuPont™ to offer the best warranty of any EDI manufacturer in the world.





DuPont Water Solutions has the global expertise, experience and resources to serve customers' needs

With unsurpassed technological innovations and R&D capabilities, combined with state-of-the-art design and production processes, DuPont Water Solutions consistently delivers high performance, long service life, electrodeionization products to customers worldwide. By harnessing advanced technologies and in-depth know-how, we offer customers affordable, energy efficient, sustainable water and process solutions.

Applications Research

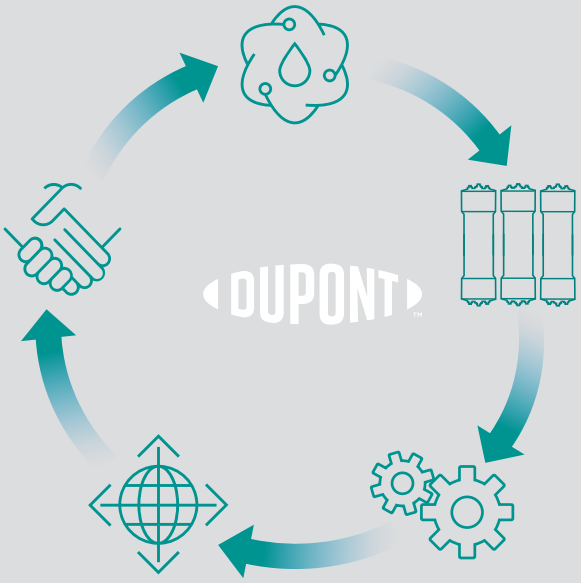
- Global R&D staff and resource sharing
- Specialized focus on treating various water sources

Technical Support

- Comprehensive pre-sales technical support and water quality evaluation
- Assistance in start-up, on-site operational support and system troubleshooting
- Monitoring and analysis of system operational data, after-sales visits, timely response to meet customer needs

Sales Network

- Worldwide coverage
- Professional, knowledgable sales team
- Responsive parts supply system



Research & Development

- Module manufacturing R&D
- Component-based design and research
- Total analysis on water quality and complex impurities, test analysis on system failures

Quality Control

- Practice of DuPont's stringent quality control and management systems
- Consistent product quality through high-standard production processes and unsurpassed manufacturing excellence
- Meeting global market needs for quality electrodeionization products

DUPONT

Water Solutions
Have a question? Contact us at:
dupont.com

All rights reserved. DuPont™, the DuPont Oval Logo, and all trademarks and service marks denoted with ™, SM or ® are owned by affiliates of DuPont de Nemours, Inc. unless otherwise noted. Nothing contained herein shall be construed as a representation that any recommendations, use or resale of the product or process described herein is permitted and complies with the rules or regulations of any countries, regions, localities, etc., or does not infringe upon patents or other intellectual property rights of third parties.

DuPont™, the DuPont Oval Logo, and all trademarks and service marks denoted with ™, SM or ® are owned by affiliates of DuPont de Nemours, Inc. unless otherwise noted. © 2023 DuPont. All right reserved.

Form No.45-D00010-en CDP, Rev. 1
November 2023