



## Pure Water Solution News

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# Electrodeionization (EDI) Technology Provides Significant Operational Cost Savings

### EDI Technology Can Provide:

- Consistent and predictable water quality.
- Continuous simple operation.
- Cost effective operation when compared to service deionization.
- Environmentally friendly operation and no hazardous chemicals or transportation costs.



EDI Cell

Most companies in need of high purity water traditionally look to service deionization vessels to meet their needs. However, with the recent dramatic increases in fuel and regeneration chemical costs, service deionization operating costs have skyrocketed. Now more than ever electrodeionization (EDI) technology is saving users hundreds to thousands of dollars in operating costs.

Not only can EDI save on operating expenses but it can also provide users with the confidence in knowing their pure water has a consistent, predictable quality. Customers no longer have to worry about degradation in pure water quality as their service deionization vessels are expended. No more having to watch for the service deionization delivery, hoping that the new vessels arrive before the existing one are exhausted.

Space is at a premium in most facilities and service deionization can consume quite a large area; with space required to store redundant as well as expended vessels awaiting pickup. EDI can help significantly reduce this space requirement. Current EDI units are compact and can provide high flow rates within a minimal footprint. Stacked unit designs can make the most efficient use of small spaces while providing never ending pure water.

To learn more about how EDI technology can save you money click here [www.ipureh2o.com](http://www.ipureh2o.com) or contact your local representative.

## How Does EDI Save On Operating Expenses?

Service deionization resins are typically renewed at a local regeneration facility, loaded in portable vessels and trucked to your facility where the freshly regenerated resins are then "exchanged" for resins that have been exhausted by pure water processing. Regeneration and delivery costs\* can vary by location but on average range from \$0.01 to \$0.02 per gallon of water processed. That means that if you process 1000 gallons of pure water per day your direct operating costs are between \$10.00 and \$20.00 per operating day. EDI can produce pure water at an average cost\*\* of \$0.00006 per gallon of water processed, reducing your operating costs to around \$0.06 per day. That translates into a significant annual cost savings. The more water usage you have the larger your cost savings will be.

Looking to reduce your operating expenses? Contact your representative today and see how much EDI technology can save you.

\* Service deionization costs are based on an average resin regeneration and delivery cost of between \$40.00 to \$80.00 per cubic foot of resin and assume that single pass RO precedes the service exchange units.

\*\* EDI operating expenses assume an average electrical cost of \$0.06 per KWH.