



## The Culligan® Portable Exchange Deionizers



### EXAMPLES OF MARKETS SERVED:

CLINICS  
EDUCATIONAL FACILITIES  
ENERGY & POWER  
FOOD & BEVERAGE PRODUCTION  
FOOD SERVICE/RESTAURANTS  
GROCERY  
HEALTHCARE/HOSPITALS/BIO-PHARMACEUTICAL  
HOSPITALITY/LODGING  
MANUFACTURING  
MUNICIPAL DRINKING WATER  
OIL & GAS

### Convenient High Quality Water Without Maintenance Hassles

Culligan Portable Exchange deionizers (PEDI) are part of a multiple-process treatment system that produces high-quality water required for specialized applications. PEDI systems reduce both positively and negatively charged ions from water by means of ion exchange resins. We also offer portable exchange softening (PES) systems, which deliver a constant supply of soft water to small and large operations, without a capital investment. When your PEDI tanks are exhausted, a Culligan service technician replaces your ion exchange tanks at your convenience. This system reduces on-site labor and regenerant chemical handling.

Culligan PEDI Systems are part of Culligan Matrix Solutions™ that combine durable and efficient equipment, systems experience, and technical experts who understand your unique requirements. From planning your system to installing your water treatment equipment, Culligan Matrix Solutions offer options that help deliver the quality of water to meet your needs. Contact Culligan today to learn more about PEDI systems.

### Culligan Matrix Solutions Advantages:

- Simple System Integration
- Global Product Platform
- Flexible Configurations
- Quick Delivery / Easy Installation
- Simple, Easy and Exclusive Culligan Advanced Electronics for monitoring with the Culligan Smart Controller
  - Historical Operating Data
  - Alarm Recognitions
  - Telemetry Options



Pre-Treatment  
Solutions



Membrane  
Solutions



Deionization  
Solutions



Storage  
Solutions



Distribution  
Solutions

## Culligan Portable Exchange Deionization System Advantages:

- **No Capital Investment**

You rent instead of buy and conserve your capital. Rental fees are part of your operating costs, spread out over the time you use the service. Rental charges can be arranged to suit your needs - per tank, per gallon, or per regeneration.

- **Reduce Labor and Maintenance Costs**

There is no equipment to operate, repair and no equipment downtime. Your local Culligan dealer owns and maintains the equipment. System regenerations are handled by your local Culligan dealer. Your personnel do not need to handle regenerant chemicals and you do not have to dispose of any waste.

- **Culligan Global Network - Global Scope, Local Service and Knowledge**

With over 800 plus dealers and international licensees in over 90 countries, our sales representatives and service technicians are familiar with the local water conditions and discharge requirements.

- **An End-to-End Solution from a Single Source**

Our discovery process identifies your individual business requirements and then creates a modular water treatment system that is customized to meet those needs.

- **Advanced Monitoring and Control Capabilities with the Culligan Smart Controller**

The Culligan exclusive Smart Controller monitors and controls every facet of the PEDI system including:

- Current Flow Rate
- Daily Usage Volume
- Average Daily Usage
- Total Gallons Since New
- External Filter Capacity
- Monitor TDS Alarm and Tank Switch Over (PEDI Bank Switcher)

A key feature of the system is the telemetry option which allows you to connect the water treatment system via a telephone line to Culligan. The feature also allows us to monitor your system centrally and service your system locally all over the world.

**1 Equipment in the field**

Single or multiple pieces of equipment in the field.



**2 Data travels worldwide via phone, cellular, satellite and Internet**

Primary access number: Local

Secondary access number: Toll Free

Internet

Internet Dedicated Access

**3 All data stored and backed-up for later retrieval**

Culligan HQ

Email Server

**4 Customer and Service Techs alerted**

Culligan Dealer Network

Customer consolidated reports are available for multisite customers

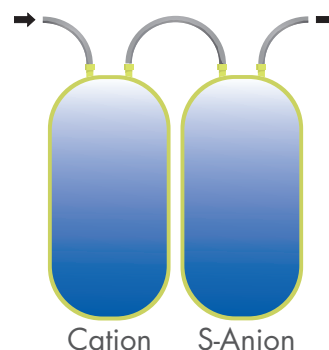
# High Purity Water System – From a Single Tank to a Complete Solution.

Culligan PEDI high purity water systems are available in several system configurations. Your system is customized (size, capacity, type of system, options, etc.) to help meet your water quality and quantity needs.

## Two-Bed PEDI System

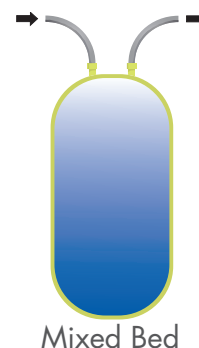
The cation and anion exchangers are connected in series.

The cation tank reduces positively charged ions (calcium, sodium, magnesium, iron, manganese and potassium). The anion tank reduces negatively charged ions (sulfates, chlorides, carbonates, bicarbonates, nitrates and silica). Strong base anion units typically produce 0.2 megohm water at a pH of 8-9, whereas weak base anion units produce lower water quality, at a pH of 6-7, and do not remove silica or CO<sub>2</sub>.



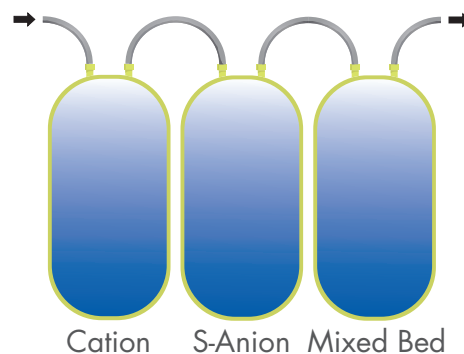
## Mixed-Bed PEDI System

Cation and anion resins are combined and mixed in a single tank. With a Mixed-Bed PEDI system, typical water quality of 2 mega-ohm or more with neutral pH can be achieved.



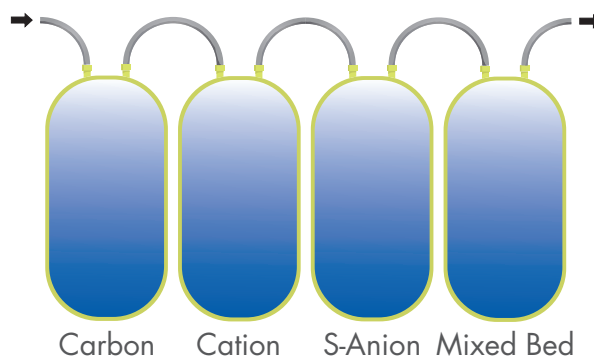
## Multiple-Tank PEDI Systems

Three tanks or more are connected in series; or parallel; or a combination of the two. Systems may consist of strong acid cation, strong or weak base anion and mixed bed media tanks in a number of varying combinations, to produce the water quality and quantity required. Water qualities of 15 mega-ohm or more, with a neutral pH, can be attained.



## Complete Multiple-Process Treatment Systems

Exchange service tanks using other water treatment modules from Culligan Matrix Solutions create an end-to-end high purity water treatment system. A typical system may include one or more of the following modules: softeners, multi-media depth filters, carbon filters, disinfection, submicron filters, or other treatment equipment.



## Global Expertise with Customized Local Service



### Over 800 Culligan Dealers in more than 90 countries

Algeria	Croatia	Guatemala	Kenya	Norway	Singapore	Thailand
Angola	Cyprus	Guine Bissau	Korea	Oman	Slovak Republic	Trinidad
Argentina	Czech Republic	Haiti	Kuwait	Pakistan	Slovenia	Tunisia
Australia	Dubai	Honduras	Laos	Panama	South Africa	Turkey
Austria	Ecuador	Hong Kong	Latvia	Peru	Spain	Turkish Republic of Northern Cyprus
Bahamas	Egypt	Hungary	Lebanon	Philippines	Sri Lanka	UK
Belgium	El Salvador	Indonesia	Lithuania	Poland	St. Maarten NA	Ukraine
Belize	Estonia	Ireland	Malta	Portugal	St. Thomas	USA
Bermuda	Finland	Israel	Mexico	Puerto Rico	Sweden	Venezuela
Cambodia	France	Italy	Morocco	Qatar	Switzerland	Vietnam
Canada	Germany	Jamaica	Mozambique	Romania	Tahiti	
China	Greece	Japan	New Zealand	Saudi Arabia	Taiwan	
Costa Rica	Guam	Jordan	Nigeria	Serbia	Tanzania	

Finally, an end-to-end solution from a single source.



Place your industrial and commercial water treatment needs in the hands of a global leader.

For over 70 years, Culligan has made better water. Our global network, comprised of 800+ dealers and international licensees in over 90 countries, is dedicated to addressing your water-related problems. As a worldwide leader in water treatment, our sales representatives and service technicians are familiar with the local water conditions in your area. Being global and local position us to deliver customized solutions to commercial and industrial water issues that affect your business and your bottom line.

[www.culliganmatrixsolutions.com](http://www.culliganmatrixsolutions.com) • 866-787-4293

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