

STANDARD FEATURES:

- Package Design With Flows from 1-40 gpm
- Corrosion Resistant Multiport Control Valves
- Poly-lined FRP Cation and Anion Tanks
- Conductivity above 10 micro-mhos
- Tanks Mounted on FRP Skid
- Factory Fitted Interconnecting Piping

ADVANTAGES:

- Uses Less Water Than a Comparable RO System
- Materials Selected to Maintain Water Quality
- Components Selected For Long Term Service
- Standard Designs Reduce Cost, Installation and Delivery Time
- Simple Operation Reduces Operator Training Requirements

OPTIONS INCLUDE:

- Cartridge Filtration
- Carbon Pretreatment
- Dual and Single Water Softeners
- Storage Tanks
- Recirculation Loop Pumps and Controls
- Polishing Demineralization
- UV Sterilization
- Post RO Cartridge Filtration
- Polishing Loop Resistivity Monitors
- Recirculation Loop Back-Pressure Regulation
- Waste Neutralization System

For Options Not Listed Here Please Contact Res-Kem

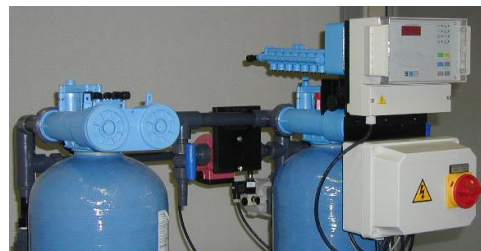
Res-Kem pre-designed dual bed deionization systems to match your water requirements. Using simple, time proven cation and anion ion exchange resins, these compact systems can produce high quality water with the lowest water usage.

When combined with our modular ultrapure water treatment system, you can achieve virtually any required water quality for your process or industry.

Variety of Standard Sizes

Res-Kem Ohm-Tech Dual Bed Deionization Systems are ideal for laboratory, electronic, pharmaceutical, and many other commercial applications. Regeneration of the exchange tanks can be initiated on a time or totalized flow basis.

Economical and efficient, Res-Kem Ohm-Tech Dual Bed Deionization Systems can be equipped for semi-automatic or full-automatic operation. Regardless of the configuration, only limited technical expertise is required for operation. Res-Kem Dual Bed Deionization Systems will integrate into a complete water treatment system without expensive custom field engineering and programming.



Two Bed Cation and Anion Deionization System

Why use a Deionized Water System?

High pure water treatment is required in many industries, applications, and processes. Res-Kem offers a series of pre-assembled systems for the production of a continuous supply of high purity deionized water. Among the many applications for high pure water are:

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|------------------------------|---------------------------|
| • Laboratories | • Pharmaceutical Plants |
| • Autoclave Steam Generators | • Electronic Products |
| • Medical Device Production | • Alloy Metal Fabrication |
| • Aerospace | • Humidification Systems |
| • Metal Treating and Plating | • Printed Circuit Boards |



DUAL BED DEIONIZATION SYSTEMS

System Designation	Tank Size Diameter x Height	Flow Rate § gpm	Cation Resin cubic feet	Anion Resin cubic feet	Typical System Capacity * kilograins
DI132-005-AA	8x35	2-3	0.5	0.5	9,000
DI132-015-AA	10x54	4-5	1.5	1.5	27,000
DI132-025-AA	13x54	6-8	2.5	2.5	45,000
DI230-030-AA	14x65	7-9	3	3	54,000
DI230-040-AA	16x65	8-11	4	4	72,000
DI230-060-AA	18x65	11-14	6	6	108,000
DI230-100-AA	21x62	14-19	10	10	126,000

§- Intermittent Flow rate at 70°F

* - Typical exchange capacity is based upon standard regeneration conditions of:

8 lbs of HCl/cubic foot of cation resin

10 lbs of NaOH /cubic foot of anion resin