

PORTABLE EXCHANGE DI KITS



Overview

Aqua Systems Portable Exchange DI Kits offers a low-cost entry into the market. Aqua Systems development in this kit design begins with inhouse operation of exchange plants and self-regenerating systems. The kits provide for ease of independent regeneration and exchange of individual portable cation and anion exchange tanks in sizes ranging from 12” diameter through 21” diameter. These versatile units can be operated with a variety of units’ types such as Deionizers, Water Softeners and Special Ion Exchange Units. Equipment versatility allows the user to select the quantity, type and style of resin tanks and resin medias. Kits can be set up in banks for a multitude of tank sizes and resin types. Kits provide for ease of bank expansion allowing the user to increase system size with growth.

Key Benefits:

- Low initial start-up costs
- Low service flow pressure drop
- Provides for resin segregation by customer
- Versatility in resin selection and application
- Allows operator to monitor media age
- Kits are available for singular and multiple tanks
- Ease of expansion

Features:

- Regeneration valves are non-metal and chemical resistant
- Regeneration valves can be field adjusted to work with a variety of tanks sizes and media types
- Each regeneration valve is complete with a programmable dedicated controller
- Controller is field adjustable for up to nine cycles of operation
- Interchangeable regeneration and flow through service valves

Standard Individual Kits Include:

- Exchange tank with internal distribution
- Quick connect service flow head
- Quick connect regeneration control valve
- By-pass Valve
- Chemical Control Valve
- Check Valve
- Flow Meter



Aqua Systems Commercial & Industrial • 114 Vista Parkway • Avon, Indiana 46123
317-272-6715 • 800-997-5492 • Fax 317-272-6728
www.aquasystemsci.com • e-mail: commercialindustrial@aquasystems.com

PORTABLE EXCHANGE DI

Standard Individual Exchange Tanks Include:

- Exchange tank with internal distribution
- Quick connect service flow head
- Quick connect regeneration control valve
- By-pass Valve
- Chemical Control Valve
- Check Valve
- Flow Meter

Standard Individual Exchange Tanks Included:

- One complete exchange tank with internal distribution and quick release head
- By-pass Valve
- Resin is not included and can be purchased with or without exchange tank

Product Support:

- Total support from one source
- Product training at operator location or Aqua Systems
- Regeneration valve repair training
- Instructional regeneration valve repair kits
- Stock Inventory

Operator Requirements:

Regeneration of DI resins requires the use of acids and caustics. Operator personnel must have proper training and safety resources including chemical safety training and personal protective equipment. Regenerate waste discharge must be neutralized prior to disposal. The installation area must be suitable for operation with and be protected against acid fumes, and chemical spills. The user must be trained in the operation and be aware of all local regulations.

Accessories:

- Waste Neutralization
- Chemical Pumps
- Instrumentation
- Ion Exchange Resins
- Pre and Post Treatment Equipment
- Separators
- Remix
- Mixed Beds

Regeneration Illustration

