

Portable Exchange Deionizers



Process

Whether the application is research, plating, rinse water, product ingredient, or plant use, deionization is today's leading choice to meet high purity water requirements for specialized applications. Our deionizer exchange tanks remove dissolved solids and contaminants from the feed water critical to many industrial processes. As an alternative to complicated and costly on-site regeneration, AWS offers cost effective portable exchange DI service which can dramatically reduce maintenance requirements and overall operating costs.



Service

Our portable exchange deionizer service consists of transportable tanks ranging in size from 0.3 cubic feet to 35 cubic feet capacity. Each customer's requirements are unique and AWS will identify the most economical and reliable solution for your application. Various resins, tank sizes, and configurations are selected to accommodate different quality and flow rate requirements. Our portable exchange deionizers provide you with a structured system for handling, monitoring, and exchanging tanks to ensure your high purity water demands are met without downtime or loss of water quality.

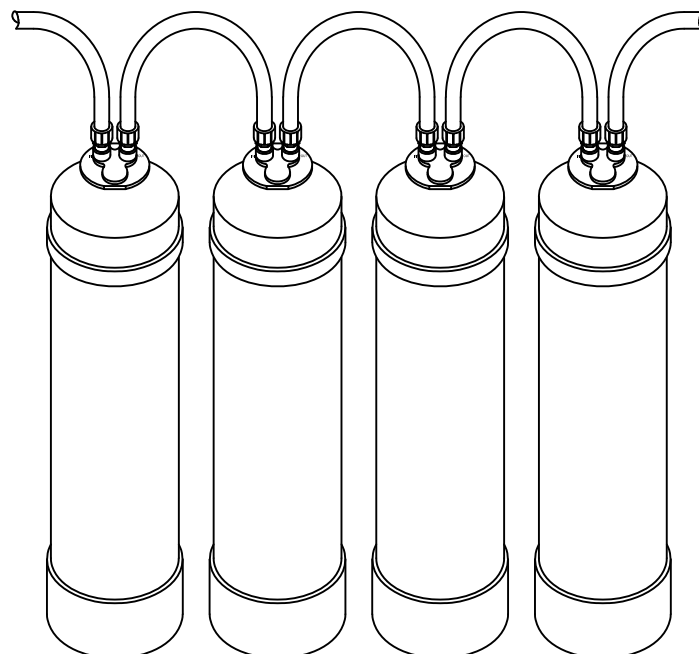
Quality

The regeneration process is critical to providing optimum performance from your exchange deionizer tanks. At AWS, all resins are regenerated in house in one of our three state-of-the-art regeneration plants enabling us to maintain control of each step in the process. Every batch of regenerated ion exchange resin is quality tested multiple times throughout the regeneration process to guarantee consistency in every tank. Only premium ion exchange resins are used to provide the highest quality with consistent performance.



Features and Benefits

- Quick response for tank exchanges.
- In-house resin processing.
- Only the highest quality resins used.
- Repeatable performance.
- Permanent, temporary, and emergency applications.
- No capital investment.
- Regenerant wastewater neutralization equipment and duplicate systems are no longer required.
- Reduced labor costs.
- Space savings. Compact, modular exchange tanks take up minimal space, and there is no need for chemical storage areas.



Product Specifications

MODEL	D (in)	H (in)	RESIN VOLUME (ft³)	CAPACITY GRAINS REMOVAL	FLOW RATE TYPICAL (gpm)	OPERATING WEIGHT (lbs)
MB618	6	18	0.3	3,000	1-2	21
MB12	8	44	1.2	12,000	3-4	105
MB27	12	42	2.7	27,000	8-10	180
MB36	14	47	3.6	36,000	10-12	290
MB200	35	95	20.0	200,000	50-70	2015
MB350	40	96	35.0	350,000	70-105	2975

Note: All weights and dimensions are approximate. Higher flow rates can be obtained with parallel configurations. Capacity and flow rates are dependent upon feed water conditions and/or pretreatment of the supply water.

Specifications

Temperature: 95° F Maximum
Pressure: 120 psig Maximum
Mixed Bed - High Capacity (40% Cation, 60% Anion)
Material: Fiberglass Wound (FRP) w/ Polyethylene Lining
Approvals: NSF, WQA, FDA

Optional Features

Resistivity Monitors and Alarms
Distribution and Recirculation Pumps
Ultraviolet Systems
Sub-micron Filtration
Storage Tanks

Deionizer Systems · Water Softeners · Filtration · Reverse Osmosis Systems · Automatic Strainers · UV Disinfection ·
Equipment Supply & Installation · Turnkey Systems · Upgrades & Retrofits · Maintenance & Repair ·
Specialized Technical Support · Custom Systems · Portable Rental Systems · Engineering Design Assistance



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