

1.2 Cubic Foot Deionization Units



SDI service exchange deionization units from Aquapure Technologies are ideal for high quality immediate water demands. These ion exchange units are designed to treat flows ranging from 1 to 5 gpm per unit. SDI units have one inch disconnects and can be installed and placed in service quickly using flexible hoses.

Simplicity of Operation

Regenerated off-site, these portable units do not use any hazardous chemicals and do not generate any wastewater.

- No Moving Parts – Preventive and or reactive maintenance is minimized.
- No Replacements – No media, membranes, resin, cartridge filters, stacks or controllers to replace.
- No Chemicals – No bisulfite, no dispersants, no cleaners or regenerates such as salt are needed.
- No Maintenance – All required troubleshooting is provided by Aquapure at no additional charge.
- No Callouts – All system required callouts are handled by Aquapure.
- NO ENVIRONMENTAL – This is a Zero Discharge Solution. There are No waste streams: MMF Backwash, RO Concentrate, Softener Regenerated Backwash, EDI Concentrate. All dissolved solids are handled by Aquapure.

Versatility

With their small footprint and ability to treat a range of flow rates, these tanks are ideal for many applications. The durable fiberglass construction enable 1.2 cubic foot units to treat water up to 100°F and are ideally suited to:

- Reverse Osmosis Polishing Systems
- Emergency Polishing Needs
- Temporary Water Treatment
- Lab stations

SDI units can be configured in parallel or series to provide for a variety of flow rates. They are serviced and exchanged by Aquapure Technicians or shipped to your location via common carrier. Our regeneration facilities and experienced service personnel ensure that you receive an uninterrupted, consistent supply of treated water that meets your quality and quantity requirements.

Quality Control

Aquapure Technologies prides itself on delivering a high quality product. Each tank is individually tested before being shipped.

- Tanks are cleaned and inspected before being filled.
- High quality resins are used in each unit.
- Tanks are pressure checked at 90psi to guard against leaks.
- Tanks are quality checked to 14 Meg.
- Control procedures are recorded.

1.2^{3'}

Vessel Size	8"dia. X 44"Side Shell
Media Volume (cubic feet)	1.2
Service Flow Rate (gpm) Min./Max.	1/5
Pressure Drop (psig) @ 77 Degrees F	APROX. 5 @ 5 GPM
Resin	SAC/SBA/MB
Exchange Capacity (Kgr)	23/12.5/9
Dimensions (WxDxH)	8" x 8" x 48"

Operating Pressure (psi) Min. Max.	20/100
Operating Temperature (F) -Max.	100
Service Connections	1"x ¾" hosebarb Noryl
Vessel Specifications	Fiberglass
Piping /Internals	SCH 80 PVC
Weight (lbs) Shipping/Operating	44/53
Effluent Quality	14 (meghoms-cm)

- Media - Strong Acid Cation (SAC); Strong Base Anion (SBA); Mixed Bed (MB); Activated Carbon (ACR)

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Information in this literature contains general descriptions. Actual operation may change as specific operations may vary with each customer.

www.thinkaquapure.com

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Typical Configurations

