

FlexTrex® Deionization Units Temporary Systems

FlexTrex® deionization units from Siemens Water Technologies are ideal for polishing raw or RO permeate water. These skid-mounted ion exchange units are designed to treat flows ranging from 20 to 250 gpm per unit. FlexTrex® units have quick disconnects and can be installed and placed in service quickly using flexible hoses. Regenerated off-site, these portable units do not use any hazardous chemicals and do not generate any wastewater.

In certain instances, FlexTrex® units are an economical alternative to service deionization bottles. With their rugged design, small footprint and ability to treat high flow rates, these tanks are ideal for many applications. Constructed of 316 stainless steel, FlexTrex 42 units treat water up to 140°F and are ideally suited to short or long-term condensate polishing applications.

FlexTrex® units can be configured in parallel or series, and combined with other Siemens Water Technologies products for a fully integrated water treatment system that meets your plant's specific flow and quality requirements. They are serviced and exchanged by Siemens' fast, reliable local service network, which is available 24 hours a day. 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.

Typical Applications

- Power plants
- Refineries
- Chemical companies
- Petrochemical
- Pulp and paper
- Steel
- Food and beverage
- Semiconductor
- Electronics
- Automotive
- General industrial

Features

- Portable
- Skid-mounted
- High flow rate
- Industrial design

Controls and Instrumentation

Siemens Water Technologies can add controls and instrumentation to these units on an as-needed basis, depending on your requirements.



FlexTrex® 36 unit



FlexTrex® 42 unit



FlexTrex® 48 unit

FlexTrex® Deionization Units Temporary Systems

FlexTrex® Units	FlexTrex® 36	FlexTrex® 42	FlexTrex® 48	Super 30
Vessel Size	36" dia. x 48" Side Sheet	42" dia. x 48" Side Sheet	48" dia. x 60" Side Sheet	36" dia. x 54" Side Sheet
Media Volume (ft ³)	30	42	60	30
Service Flow Rate (gpm) Min./Max.	20/100	35/150	35/250	20/100
Pressure Drop (psig) @ 77°F	Approx. 15 @100 gpm	Approx. 15 @150 gpm	Approx. 10 @ 250 gpm	Approx. 25 @100 gpm
Resin	SAC/SBA/MB	SAC/SBA/MB	SAC/SBA/MB	SAC/SBA/MB
Exchange Capacity (Kgr)	750/420/240	1050/588/336	1500/840/480	750/420/240
Operating Pressure (psi) Min./Max.	20/100	20/100	20/100	20/100
Operating Temperature (°F) - Max.	100	140 (SS Only)	100	100
Service Connections	2" or 3"	3"	4"	2"
Vessel Specifications Type Internal Lining	Carbon Steel Vulcanized Rubber Lined	316L SS None	Carbon Steel Vulcanized Rubber Lined	Carbon Steel Sprayed & Baked PVC
Piping/Internals	Sch. 80 PVC	Sch. 80 PVC or 316 SS	Sch. 80 PVC	Sch. 80 PVC
Weight (lbs.) Shipping/Operating	2,000/3,400	3,500/4,200	5,000/8,000	2,000/3,400
Dimensions (WxDxH)	40" x 42" x 78"	42" x 49" x 90"	50" x 61" x 92"	36" x 36" x 76"
Handling	Lifting Lugs & Fork Lift Ports Provided—Units Movable By Pallet Jack			
Media Options:	–Strong Acid Cation Resin (SAC) –Strong Base Anion Resin (SBA) –Weak Acid Cation Resin (WAC)	–Weak Base Anion Resin (WBA) –Mixed Bed Resin (MB) –Activated Carbon	–Organic Scavenging Media –Colloidal Removal Media	

Siemens Water Technologies offers the widest range of mobile equipment solutions, and our extensive infrastructure fully supports your system and service requirements. Our experts can review your specific site conditions and make recommendations about the system that is best suited for your plant. To discuss your requirements for FlexTrex® units, mobile trailers or other water treatment systems, please call 800.435.3223.

FlexTrex® deionization units are ideal for:

- Polishing
- Pilot plant water
- Interim use until a permanent system is installed
- Process water quality changes
- Scheduled shutdowns
- Seasonal water needs
- Emergency water
- Feedwater quality changes
- Condensate polishing
- Softening
- Chlorine or chloramine removal

Siemens
Water Technologies
Phone: 800.435.3223
847.706.6900

© 2009 Siemens Water Technologies Corp.
MOSS-FTRXdr-DS-0809
Subject to change without prior notice.

FlexTrex is a trademark of Siemens, its subsidiaries or affiliates.

The information provided in this literature contains merely general descriptions or characteristics of performance which in actual case of use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of the contract.