

Service Deionization (SDI)

Easy High Purity Water



Mixed Beds

- Highest Quality (>18 megohm-cm*)
- Best for Silica and CO2 removal



Separate Beds

- Cation Tanks
- Anion Tanks
- High Capacity



Carbon Beds

- Chlorine removal
- Chloramine removal
- TOC removal

Benefits of using Aquadem™ services provided by Crown Solutions:

- Reliability
- Minimal system installation
- Minimum capital investment
- Environmental friendly (chemical free)
- Easy maintenance
- Flexibility





SDI Classification

Effluent Quality	Standard Mixed Bed SMB (Blue)	UltraPure Mixed Bed UMB (White)	Separate Two Bed TSB (Red/Yellow)	Activated Carbon GAC (Silver)
Resistivity* (megohms-cm)	>16	>18	>0.20	N/A
Silica (SiO ₂) (ppb)	N/A	<5	<25	N/A

Feed Water Requirements

	Standard Mixed Bed SMB (Blue)	UltraPure Mixed Bed UMB (White)	Separate Two Bed TSB (Red/Yellow)	Activated Carbon GAC (Silver)
Free Chlorine (ppm)	<2	<2	<2	N/A
Pressure (PSI)	<100	<100	<100	<100
Turbidity (NTU)	<5	<5	<5	N/A
Temperature (deg.F)	<105	<105	<105	<105

Technical Specifications*

Models (other volumes available)	Mixed Bed MB0844	Mixed Bed MB1447	Separate Beds TSB0844	Separate Beds TSB1447	Carbon GAC0844	Carbon GAC1447
Dimensions						
Volume: CU FT	1.2	3.5	1.2	3.5	1	2
Inlet/Outlet: Inches	3/4"	1"	3/4"	1"	3/4"	1"
Weight: lbs per tank	75	180	75	180	55	145
Flow rates						
Optimum: GPM	5	10	5	10	4	8
Pressure						
Maximum: PSI	100	100	100	100	100	100
Grain Capacities**						
Grain Capacity	10,000	35,000	10,000	35,000		

*Specifications are for reference only and subject to the feed water quality.

**Based on mixed-bed end point of 50,000 ohms and separate-bed end point of 200,000

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