



## Service Deionizer Model 942ST Commercial 1.5 Ft<sup>3</sup>

### *Commercial – Industrial Water Purification*

The Cal Water **Model 942ST** deionizer is a heavy-duty lined steel tank that will operate in hostile environments. It is a special application deionizer tank that will handle high temperatures (180°F max.), where fiberglass units would fail. It is useful where high temperatures, pressures, or the potential for physical abuse are present.

*All Cal Water service deionizers are regenerated in a **computer controlled** regeneration plant. Computer control provides more consistent quality at lower cost, while storing all regeneration results electronically. This stored data can be retrieved and used to provide QC reports upon customer request.*



- The Cal Water 942ST portable exchange service deionizer is a steel tank with an inert polyethylene plastic liner.
- Both the inlet and outlet manifolds of the 942ST deionizer tank are made of heat resistant CPVC.
- The 942ST deionizer contains 1.5 cubic feet of water purification media.
- Every 942ST deionizer system comes standard with a red-green water quality indicator. When hot water is to be deionized a temperature compensated TDS meter is available as an option.
- The connections are ½" rhodium or nickel plated brass.
- All Cal Water deionizer tanks are color coded to assure that the correct tank goes into the correct position every time a system is exchanged.

**942ST**  
**Mixed Bed Deionizer**

**For More Information Please Call  
1(800)CAL-WATER - (800) 225-9283**

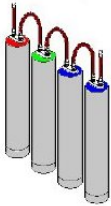
## THREE BASIC 942ST DEIONIZER CONFIGURATIONS



**Single mixed bed.** Mixed bed deionizers are single units containing both cation and strong base anion resins mixed in a single vessel. The 942 mixed beds produce a water quality that typically ranges from 2 ppm to 0.1 ppm at intermittent temperatures of up to 140°F



**Two-bed weak base.** Weak base systems typically produce an average deionized water quality of 10 ppm at 180°F. Weak base systems do not remove silica or carbon dioxide from the water, but they are inexpensive and if properly applied, are very useful and cost effective.



**Multi-bed systems.** These combination systems (3 or more units) provide the efficiency and low cost of two bed deionizers with the high purity yielded by mixed bed units to produce large quantities of low cost, high purity water.

## FLOW RATES AND CAPACITIES

System	Flow Rate	Capacities	Water Quality		
	GPM	Ft <sup>3</sup> / Gallons	Resistivity ohms	TDS ppm	pH
SINGLE TANK Mixed Bed	5	1.5 / 600	1 - 10 meg	0.5 - 0.09	7
TWO TANK Weak Base*	3	3 / 2,390	50 kilo	8.0	5.5

\*Gallon capacities and water quality are based on 300 ppm feed. \* Weak base systems are limited to 2 GPM/Ft<sup>3</sup> to achieve maximum capacity. Maximum inlet pressure to all systems is 80 psi. Maximum inlet temperature is 140°F.

**Warranty:** Water deionizer installations are backed by a 1-year warranty on parts and labor only, barring misuse or abuse. In case of defect in equipment, labor, material or service, Cal-Water's sole responsibility is for the replacement or repair of the defect and cannot be held liable for losses of any kind.

**Cal-Water** has been selling, installing and servicing water purification equipment since **1946**

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