



Service Deionizer Model 1040-FG 2 to 8 GPM 1.6 Ft³

Industrial Water Purification

The **Model 1040-FG** deionizer is the most versatile service unit in our float. It is particularly useful in providing high purity water to single points of use.

*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.*

FEATURES

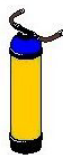


1040-FG
Mixed Bed Deionizer

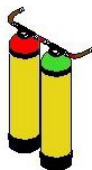
- The Cal Water 1040-FG portable exchange service deionizer is a corrosion-proof, FRP fiberglass tank with an inert ABS plastic liner and a rubber base.
- Both the inlet and outlet hardware of the 1040 deionizer tank are made of the same ABS plastic as the tank liner.
- The 1040-FG deionizer contains 1.6 cubic feet of water purification media.
- Every 1040-FG deionizer system comes equipped with a red-green water quality indicator as standard equipment. (Several brands of TDS meters are available as options.)
- The top of every 1040 deionizer unit is protected by a ¼" rubber bumper band to prevent leaks from cracks at the top seam.
- The connections are 1¼ turn unions with 'O' ring seals for positive connections.
- 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.

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

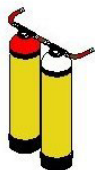
FOUR BASIC DEIONIZER CONFIGURATIONS



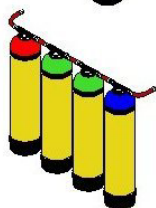
Mixed bed. Mixed bed deionizers are single units containing both cation and strong base anion resins mixed in a single vessel. Mixed beds produce the highest quality water that typically ranges from 200,000 to 18,000,000 ohms/cm³.



Two-bed strong base. Strong base deionizers are two tank systems that produce an average water quality of 150,000 ohms/cm³ with a pH of over 7. Strong base units remove silica and carbon dioxide from the water and are good general-purpose systems.



Two-bed weak base. Weak base deionizers are two tank systems that produce an average deionized water quality of over 50,000 ohms/cm³ with a pH under 7. Weak base units 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	Type	Configuration	Flow Rate GPM	Ft ³ / System	Capacity		Water Quality In Ohms/cc	Water Quality Microsiemens
					Grains	Gallons*		
Single	Mixed Bed	M	7	1.7	12,750	727	200K - 18 meg	5 - 0.056
Double	Mixed Bed	M-M	7	3.4	25,500	1,454	200K - 18 meg	5 - 0.056
	Weak Base**	C-W	3	3.4	44,200	2,519	20-50 K	50 - 20
	Strong Base	C-S	6	3.4	28,900	1,647	50-200 K	20 - 5
Triple	Mixed Bed	C-S-M	7	5.1	41,650	2,374	200K - 10 meg	5 - 0.056
	Weak Base**	C-C-W	3	5.1	102,000	5,814	20-50 K	50 - 20
	Strong Base	C-S-S	6	5.1	57,800	3,295	50-200 K	20 - 5
Multi (4-bed+)	Mixed Bed	C-S-S-M	7	6.8	70,550	4,021	200K - 18 meg	0.063 - 0.056
	Weak Base**	C-C-C-W	3	6.8	153,000	8,721	20-50 K	20 - 5

*Gallon capacities and water quality shown are based on 300 ppm feed. **Weak base systems are limited to 2 GPM/Ft³ to achieve maximum capacity. Maximum inlet pressure to all systems is 80 psi. Maximum inlet temperature is 90°F.

Warranty: Cal Water guarantees labor and material for 1 year from the date of an installation. 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.

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