



Industrial Water Purification

The Cal Water **Cal-Flow-34** deionizer is one of the most durable units on the market. The **Cal-Flow-34** comes equipped with specially designed internals to allow a wide variation in flow rates with little sacrifice in capacity enabling it to outperform larger units.

FEATURES



3660ST Mixed Bed Deionizer

- Cal Water regenerates deionizer resins in a **Computer Controlled Regeneration Plant**, providing more consistent quality at a lower cost. Regeneration results are stored electronically for QC reports. These reports are available to our customers upon request.
- The **Cal-Flow-34 Jumbo Service Deionizer** is an epoxy coated, welded steel tank with an inert liner, containing 34 cubic feet of water purification media
- Both the inlet and outlet hardware of the **Cal-Flow-34** are made of inert PVC or ABS plastic.
- The **Cal-Flow-34** deionizer is mounted on a steel skid that can be moved by forklift from all four sides.
- The unit is equipped with Cam-Lock connectors fitted with molded seals for positive connections.
- Every Cal Water deionizer system comes equipped with a red-green water quality indicator as standard equipment. (Several brands of TDS meters are available as options.)
- 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**

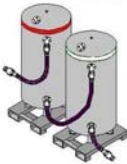
FOUR BASIC DEIONIZER CONFIGURATIONS



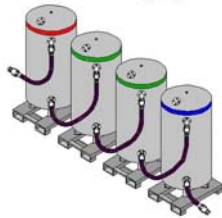
Mixed bed. Mixed bed deionizers are single units containing both cation and strong base anion resins mixed in a single vessel. Mixed beds produce the highest quality water that typically ranges from 200,000 to 18,000,000 ohms/cm³.



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	80	34	255,000	14,535	200K - 10 meg	5 - 0.1
	Mixed Bed (HP)	H	70	34	229,500	13,082	10 - 18 meg	0.1 - 0.056
Double	Mixed Bed	M-M	80	68	510,000	29,070	200K - 10 meg	5 - 0.1
	Mixed Bed (HP)	H-H	70	68	459,000	26,163	12 - 18 meg	0.083 - 0.056
	Weak Base**	C-W	68	68	1,020,000	58,140	20-50 kilo	50 - 20
	Strong Base	C-S	70	68	578,000	32,946	50-200 kilo	20 - 5
Triple	Mixed Bed	C-S-M	80	102	833,000	47,481	200K - 10 meg	5 - 0.1
	Mixed Bed (HP)	C-S-H	70	102	807,500	46,028	16 - 18 meg	0.063 - 0.056
	Weak Base**	C-C-W	68	102	2,040,000	116,280	20-50 kilo	50 - 20
	Strong Base	C-S-S	70	102	1,156,000	65,892	50-200 kilo	20 - 5
Multi (4-bed+)	Mixed Bed	C-S-S-M	70	136	1,411,000	80,427	200K - 10 meg	5 - 0.1
	Mixed Bed (HP)	C-S-H-H	70	136	3,060,000	174,420	16 - 18 meg	0.063 - 0.056

*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. (Please see Terms and Conditions of sale.)

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

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