

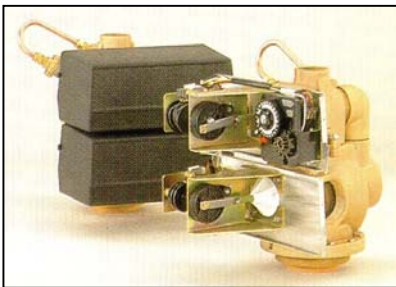


## Automatic Dealkalizers 1", 1.5", 2" and 3" Pipe Sizes 5 to 250 Gallons Per Minute

### Industrial Water Purification

**Dealkalizers** are similar to dealkalizers in that they are regenerated with sodium chloride. (Salt) Their purpose however is for the removal of anion impurities instead of hardness. A dealkalizer uses anion resin to exchange negatively charged ions from water such as bicarbonate, sulfate, nitrate, and silica, for chloride ions. Capacities and flow rates depend on the feed water chemistry and the anion to be removed.

#### ADVANTAGES



**Automatic Control  
Valves**

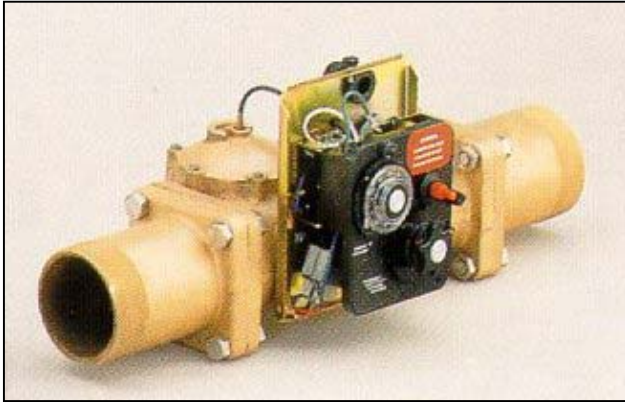


**IF-750AL-3-3900  
Automatic Dealkalizer**

- All Cal Water Dealkalizers have simple and reliable loose tolerance control valves with hydraulically balanced piston-seal-spacer design.
- Optional controls are designed for multiple tank systems. Systems can be set up using alternating vessels, regeneration lockouts, lead-lag systems.
- Optional Side Mount valve adaptors available. (Top mount shown)
- The meter control option allows fully adjustable salt dosages. Cal Water dealkalizers can be set at low salt dosage for use in areas with capacity/pound salt restrictions, OR a high salt dosage to achieve a minimum anion leakage.
- The variable time control allows for precise system programming. Each cycle can be independently set.
- Dealkalizer pressure vessels and brine tanks are constructed from inert corrosion-proof materials. The pressure vessels are FRP fiberglass tanks and the brine tanks are molded polyethylene.

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

## OPTIONS



**3" Turbine Meter Controller**

- **Turbine Water Meter** is available as an option for every dealkalizer. The meter counts the gallons of water being softened, and at an adjustable pre-set quantity, the meter will schedule a regeneration to take place at an off-hour. When the 120-minute regeneration cycle is completed, the regenerated dealkalizer unit is put back into service automatically.
- **Chemical Feeders** are available where silica removal or unusual feed water chemistry indicate they are needed.
- **Multiple "NT" Control system** can operate up to four tanks in parallel with turbine meter on each. When one dealkalizer tank is being regenerated, a lockout prevents simultaneous regeneration of other dealkalizers.

## APPLICATIONS

Single or multiple dealkalizers are ideal for any commercial or industrial application needing the replacement of bicarbonate, sulfate, nitrate, or silica ions with chloride ions. Cal Water dealkalizers are ideal where low cost and absolute reliability are key purchasing considerations.

## FLOW RATES AND CAPACITIES

Model	Pipe Size"	Flow Rate GPM Serv. / BW	Resin Ft <sup>3</sup>	Capacity In KGR		Resin Tank		Brine Tank	
				Alkalinity	Sulfate	Dia.	Ht.	Dia.	Ht.
DS- 90 -ALK-1	1	6 / 4	3	27	43	16"	X 65"	22"	X 36"
DS- 120 -ALK-1.5	1 1/2	8 / 5	4	36	58	20"	X 65"	24"	X 48"
CF- 180 -ALK-2	2	12 / 7	6	54	86	24"	X 62"	36"	X 48"
CF- 330 -ALK-2	2	22 / 13	11	99	158	30"	X 71"	36"	X 48"
CF- 480 -ALK-2	2	32 / 19	16	144	230	36"	X 72"	48"	X 48"
IF- 690 -ALK-3	3	46 / 28	23	207	331	42"	X 72"	48"	X 48"
IF- 900 -ALK-3	3	60 / 36	30	270	432	48"	X 72"	60"	X 48"

Maximum inlet pressure is 100 psi. Minimum inlet pressure is 35 psi. Maximum chlorine or other oxidizer content is 0.5 ppm. Maximum inlet temperature is 86°F. Maximum turbidity is 5 NTU.

**Warranty:** All dealkalizer controls are backed by a 3-year warranty. Fiberglass pressure vessels have a 5-year warranty. All warranties are for parts and factory labor only, barring misuse or abuse. Warranties are specifically limited to the repair or replacement of the equipment. (Please see: Terms and conditions of Sale)

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

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