



## Automatic Deionizer Systems AutoTrol 7800 Series 10 to 75 GPM

**"a better solution.."**

Cal Water has selected the **AutoTrol 7800 Series Automatic Deionizers** for maximum ion exchange/deionization (DI) demands. The high-capacity, modular controls make the 7800 series the best automatic deionizer value on the market today.

The 7800 Series deionizers are manufactured using the latest corrosion proof materials, coupled with a design that has proven successful for over 20 years.

With the wide selection of ion exchange media available, the 7800 series units can handle just about any deionizer/ion exchange application in science and industry.

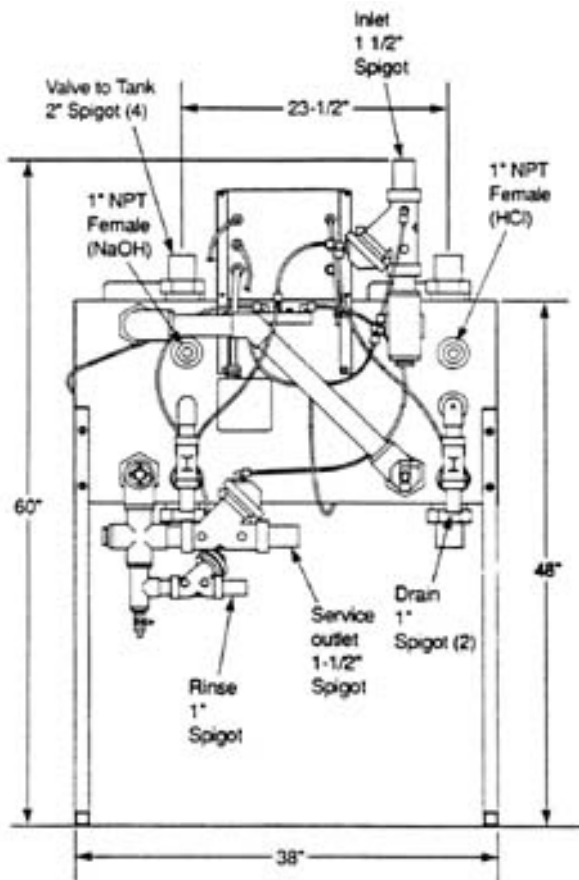
### FEATURES

- The digital-type meter displays both water quality and regeneration time remaining to simplify system process planning.
- A third tank polisher can be accommodated under the single control to pick up sodium or silica leakage.
- A single set of printed circuit boards control both simultaneous and sequential regeneration. Simply select the desired regeneration mode with DIP switches.
- Custom programmable. All programming features are easily accessible on the front panel, so there's no need to enter the control box and disrupt operations.
- Indicator lights show at a glance which phase of the regeneration cycle the system is in.
- Direct education of chemicals through the multiport valves eliminates additional chemical draw valves
- Automatic pre-rinse prior to regeneration prevents false regenerations.
- Monitored final rinse rids the system of residual chemicals before the deionizer returns to service.
- Convenient test ports allow for quick, easy checks of system performance.
- Modular construction reduces downtime and simplifies troubleshooting and service.
- Rugged NEMA 12 electrical enclosures, standard on all controls, meet or exceed NEMA showering arc (ICS 2-230), surge withstand (IEEE 587) and electrostatic discharge (MIL-STD-88380).
- Automatic shutoff during power failure.
- NOVRAM backup saves all data during a power failure, then resumes at the last data point when power is restored, all without batteries.
- A low level sensor can be easily wired into the control to warn of low chemical volumes.
- Provisions for a remote control panel and auxiliary "START REGENERATION" source allow regeneration to be initiated and controlled from a remote location.
- A product water storage tank can be equipped with a float switch for a level controlled shutoff.
- Spare relays and fuses are provided on the power printed circuit board provide for the operation of recirculation and supply pumps.
- **Cal Water Support:** Cal Water provides engineering, installation and service for all AutoTrol products. Cal Water has been in the water purification business since **1946**.

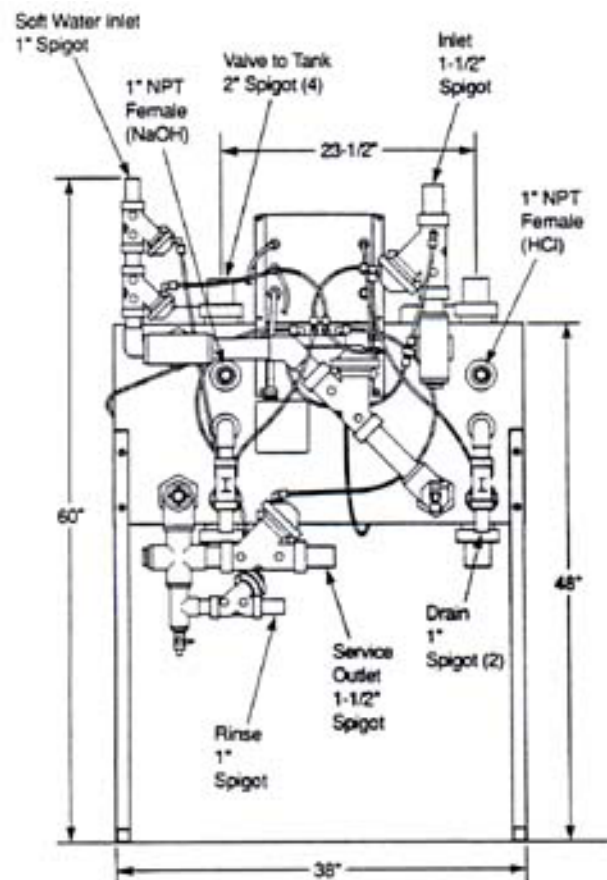


**For More Information Please Call  
1(800)CAL-WATER - (800) 225-9283**

## 7840 / 7850 CONTROL HEADS



7840 Control Head



7850 Control Head

## APPLICATIONS

The AutoTrol 7800 Series are high-capacity deionizer controls that can easily handle the heaviest requirements of manufacturing and medical applications, as well as those of large-scale commercial users such as printing or food processing plants.

With the addition of some simple waste treatment equipment, the recirculation of rinses in electroplating, metal finishing facilities, or electronics plants can substantially reduce high purity water costs while also reducing waste treatment costs by turning large problems into a small problems.

Contact Cal Water engineers with your specific application and receive a free quote on the applicable 7800 series unit, a 3-D drawing of the proposed system and the cost of a pilot study (If deemed necessary).

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

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