



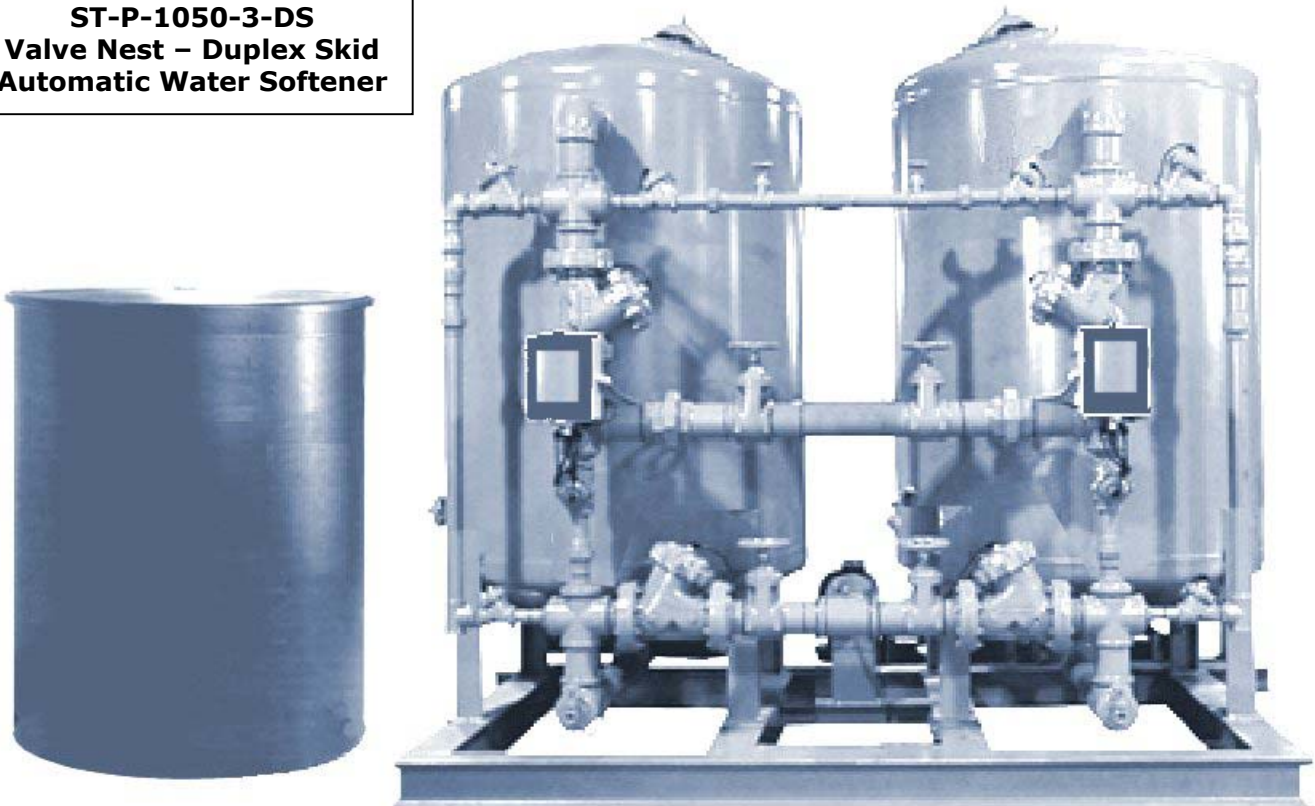
## Automatic Water Softeners ST-P Series Lined Steel Units 48 to 468 Gallons Per Minute

### Industrial Water Purification

The **Cal Water ST-P** series heavy-duty water softeners are constructed of carbon Steel, protected by an external phenolic epoxy coating, and an internal bonded polyethylene liner. They are intended for hostile environments where fiberglass units could fail. The ST-P is a special application water softener where outdoor installation, high pressures, or the potential for physical abuse are present. The ST-P can also be setup to handle high temperatures of up to 180°F. ST-P units come standard with valve nest face piping. Top-mount and side mount regeneration control valves are optional. No matter which valve arrangement is selected, the Model ST-P controls will cycle thousands of times with essentially hands-off maintenance.

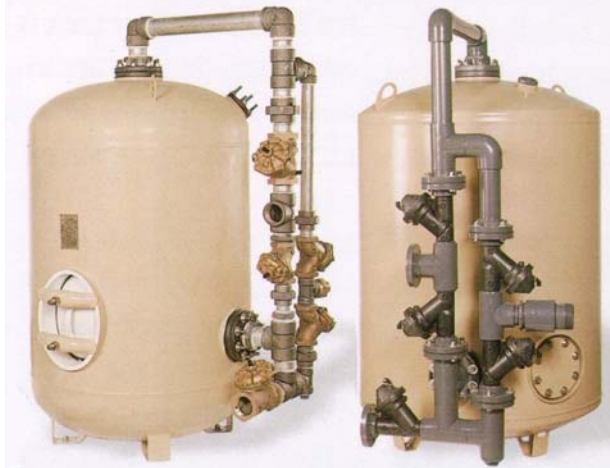
### FEATURES

#### **ST-P-1050-3-DS Valve Nest – Duplex Skid Automatic Water Softener**



- The **ST-P** series softeners feature reliable loose tolerance control valves.
- An **ST-P** Series water softener can be set at low salt dosage for use in areas with capacity/pound salt restrictions, OR a high salt dosage to achieve a hardness leakage of less than 1.0 ppm.
- All **ST-P** series softeners feature variable time control that allow precise system programming. Each cycle can be independently set.
- The **ST-P** series pressure vessels are constructed of carbon steel and protected by inert corrosion-proof materials. Standard Brine tanks are polyethylene. FRP fiberglass brine tanks are available as options.

## OPTIONS



**ST-P Hot Water Galvanized Face Pipe**      **ST-P Standard Sched(80) PVC**

- Optional controls are designed for multiple tank systems. Systems can be set up using alternating vessels, regeneration lockouts, lead-lag systems. 2 tank system with turbine meter for alternating regeneration. Optional system Controls 2+ tanks operated in parallel with turbine meter on each. When one softener goes into regeneration, a lockout is sent to prevent simultaneous regeneration of other softeners.
- Hot water option available on ST-P units for water temperatures of up to 180°F.
- Optional Top and Side Mount valve controls available. (Valve nest units shown)

## APPLICATIONS

Single or multiple **ST-P Series** softeners are ideal for any large commercial or industrial application such as factories, mills, dye houses, boilers, cooling towers, ice houses, or any other applications where a truly heavy duty unit is needed.

## FLOW RATES AND CAPACITIES

| Model         | Pipe Size | Flow Rate GPM<br>Cont./ Peak** | Ft <sup>3</sup> Resin<br>/Softener | Capacity In<br>Grains | Softener |     | Brine Tank |     |
|---------------|-----------|--------------------------------|------------------------------------|-----------------------|----------|-----|------------|-----|
|               |           |                                |                                    |                       | Dia.     | Ht. | Dia.       | Ht. |
| ST-P- 300 -2  | 2"        | 48 / 72                        | 10                                 | 300,000               | 24" X    | 60" | 22" X      | 36" |
| ST-P- 450 -2  | 2"        | 74 / 111                       | 15                                 | 450,000               | 30" X    | 60" | 36" X      | 48" |
| ST-P- 750 -3  | 3"        | 107 / 161                      | 25                                 | 750,000               | 36" X    | 60" | 42" X      | 48" |
| ST-P- 1050 -3 | 3"        | 145 / 189                      | 35                                 | 1,050,000             | 42" X    | 66" | 48" X      | 48" |
| ST-P- 1350 -4 | 4"        | 190 / 247                      | 45                                 | 1,350,000             | 48" X    | 66" | 52" X      | 60" |
| ST-P- 2400 -4 | 4"        | 250 / 325                      | 80                                 | 2,400,000             | 60" X    | 72" | 52" X      | 60" |
| ST-P- 3450 -6 | 6"        | 360 / 468                      | 115                                | 3,450,000             | 72" X    | 72" | 60" X      | 60" |

NOTES: Normal design operating pressure is 125 psi. Units are available with working pressures of up to 300 psi. Normal maximum inlet temperature is 90°F. Hot water units are available for temperatures of up to 180°F.

Minimum inlet pressure is 35 psi.

Maximum chlorine or other oxidizer content is 0.5 ppm.

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

**Warranty:** All ST-P water softeners are backed by a 1-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)

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

**Cal Water**, 1961 Petra Lane, Placentia, CA 92870  
**(800) CAL-WATER** (800) 225-9283  
 FAX: (714) 792-0794  
 Web Page / Email: [www.cal-water.com](http://www.cal-water.com)

Orange County (714) 835-7878  
 Los Angeles County (323) 663-8335  
 San Diego County (858) 457-8411