



CARIBE WATER TECHNOLOGY, INC.

## Water Softener System 2"

### CWTS 2" Series

Are designed to removed calcium and magnesium ions from incoming water and replace them with Soft sodium ions. Our complete system series features the Clack Softener Valve with standard controller for simple operation and efficient regeneration.

---

#### Materials of Construction

- Media Tank.....FRP-HDPE lined
- Control Valve.....Clack
- Media.....Virgin cation resin with gravel support bed
- Distributor Piping.....PVC
- Brine Tank.....Polyethylene

---

#### Operating Parameters

- Pressure..... 20-100 psi(1.40-7.03kg/cm)
- Temperature.....33-120°F (2-38°C)
- Electrical.....115/60Hz, single phase
- Inlet/Outlet.....2.0 inch
- Drain.....1.5 inch

---

#### Standard Features

- Fully automatic regeneration
- 75,000 to 480,000 grains of hardness removal
- Flow rates up to 100 US gpm
- Durable, high quality exchange cation resin
- Non-corroding fiberglass tank
- Valve constructed of plastic materials
- Standard reliable digital timer
- Tank for brine making & salt storage
- Twin alternating system feature an E-timer



---

#### Typical Applications

- Reverse osmosis pretreatment
- Boiler feed water
- Reagent grade laboratory water system
- USP purified water system
- Hemodialysis water system
- Commercial water system

---

#### Options Available

- Single, duplex twin alternating or parallel configurations
- Free standing or skid-mounted complete system
- Factory, fully pre-plumbed and pre-wired system
- Custom installations and valve nest to meet facility requirements

## 2" CWTS Series Single Water Softener @ 25°C

Model Number	Capacity Maximum (Kgr)	Flow Design (US gpm)	Resin Volume (Ft.*)	Backwash Flow (US gpm)	Pressure Drop@Peak (psig)	Salt Per Regen (Lbs.)	Brine Tank Capacity (lbs.)	Media Tank W x H (In.)	Brine Tank W x H (In.)	Shipping Weight (Lbs.)	Space Required W x D x H (In.)
SS-1465-2	75	15	3	4	3	20	700	14X65	24X41	350	38X24X77
SS-1865-2	150	25	5	7	5	40	700	18X65	24X41	565	42X24X77
SS-2162-2	168	35	7	12	10	70	700	21X62	24X41	625	45X24X74
SS-2472-2	240	50	10	20	15	100	1500	24X72	30X48	870	54X30X84
SS-3072-2	360	75	15	25	20	150	1500	30X72	30X48	1490	60X30X84
SS-3672-2	480	100	20	35	30	200	1500	36X72	30X48	1880	66X30X84

## 2" CWTS Series Duplex Twin Alternating Water Softener @ 25°C (contains two valves, two media tanks, one brine tank)

Model Number	Capacity Maximum (Kgr)	Flow Design (US gpm)	Resin Volume (Ft.*)	Backwash Flow (US gpm)	Pressure Drop@Peak (psig)	Salt Per Regen (Lbs.)	Brine Tank Capacity (lbs.)	Media Tank W x H (In.)	Brine Tank W x H (In.)	Shipping Weight (Lbs.)	Space Required W x D x H (In.)
SS-D-1465-2	75	15	3	4	3	20	700	14X65	41X24	650	52X24X77
SS-D-1865-2	150	25	5	7	5	40	700	18X65	41X24	1080	60X24X77
SS-D-2162-2	168	35	7	12	10	70	700	21X62	41X24	1200	66X24X74
SS-D-2472-2	240	50	10	20	15	100	1500	24X72	48X30	1640	78X30X84
SS-D-3072-2	360	75	15	25	20	150	1500	30X72	48X30	2880	90X30X84
SS-D-3672-2	480	100	20	35	30	200	1500	36X72	48X30	3660	102X30X84

Note: Values above are listed per tank except for shipping weigh and space requirements. Dimensions and weights are approximate. Parallel and triplex system are available.

### Installation Considerations

- For proper service ability, it recommended that there de 18" of space around the entire system. A minimum of 12" is required. The tanks should be installed on a firm, level surface.
- The inlet piping should be sized large enough to provide the required water flow for both service flow and backwashing of the tanks with minimum amount of pressure loss.
- A drain with suitable capability for the backwash flow rate of the tanks is required.
- Isolation valves, pressure gauges and sample ports should be installed on the inlet and outlet piping of each tank.

