

# ProSoftCTP Water Softeners

The ProSoftCTP Water Softeners for Computer-To-Plate processors are designed and packaged for removing the hardness and iron from the water used to wash off the plates. Hose bars are used on the inlet and outlet to make installation simple. **A very important and unique feature of the ProSoftCTP is the post filter which protects the processor from the small amount of resin that can be discharged by the softener during cycles.**

ProSoftCTP uses reliable Fleck control valves. The Fleck 5600 Econominder control valve saves up to 50% on salt, saves water and reduces sewer surcharges. A simple and dependable mechanical meter monitors water usage even during power failure and automatically initiates regeneration only when needed.

The ProSoft utilizes high-capacity cation exchange resin for maximum hardness ion removal. The softened water will have zero (0) hardness. Calcium Carbonate and other minerals that cause "lime scale" or other mineral scales are removed from the treated water through ion-exchange. The softening media inside the resin tank captures and holds the hardness minerals until the meter initiates regeneration. At this point the valve is actuated to start the backwash and rinse cycles, washing the hardness minerals from the media and flushing them to drain. The media is replenished via the salt brine in the brine tank with sodium ions. The sodium ions exchange with the calcium ions.

## Features

- Metered Valve - Regenerates based on water usage not time.
- Post Filter - Protects processor from resin.
- Safety Overflow Valve - Prevents brine tank overflow.
- Salt Grid - Prevents salt caking at bottom of brine tank.
- High Capacity Resin - High efficiency hardness removal.
- Simple, Reliable 6-Cycle Fleck 5600 Valve - Minimal maintenance.
- Simple Installation, Hose Barb Connections, Includes Hardness Test Strips.

## Specifications

Electrical: 110vac 60hz 1A

Inlet/Outlet: 3/4" female pipe thread or 3/4" hose barb

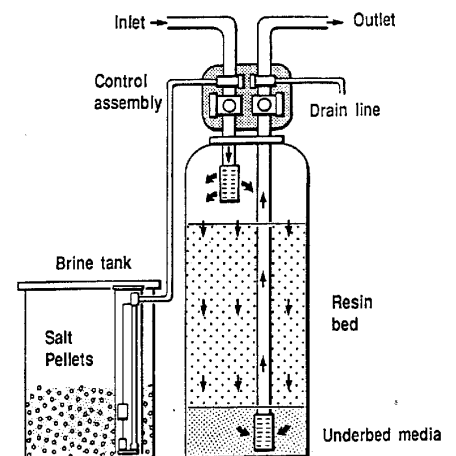
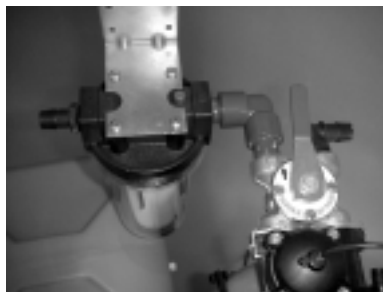
Drain Connection: 1/2" Vinyl Hose

Brine Tank Capacity: 250# of Salt

Approximate Regeneration Time: 80 minutes

Approximate Water Usage/Regen: 50 gallons

Filter Cartridge Replacement: PCM-05-97



If you have 10 gpg of hardness and your processor uses 1000 gals. of water/day you will need to remove 10,000 grains of hardness/day. A 12,000 grain capacity softener would be required. If it uses 2000 gals. of water/day it would require the 24,000 grain Softener. 1 grain per gallon of hardness is equal to 17.1 mg/l (ppm) of hardness as CaCO<sub>3</sub>.

Item #	Grain Capacity*	Max Capacity**	Resin Capacity Cubic Feet	Service Flow Rate	Resin Tank Size	Brine Tank Size	Floor Space Req'd
165-55616	12,000	16,000	1/2	5	7 x 35	14 x 36	23 x 15 x 43
165-55624	16,000	24,000	3/4	7.5	8 x 44	14 x 36	23 x 15 x 52
165-55632	24,000	32,000	1	9	9 x 48	14 x 36	25 x 15 x 56
165-55640	24,000	40,000	1-1/4	10	10 x 44	14 x 36	26 x 15 x 52
165-55648	30,000	48,000	1-1/2	10	10 x 54	14 x 36	26 x 15 x 62
165-55664	35,000	64,000	2	11	12 x 48	14 x 36	28 x 15 x 56
165-55680	48,000	80,000	2-1/2	12	13 x 54	14 x 36	29 x 15 x 62
Twin Tank Softeners for continuous flow of soft water.							
165-48524	16,000	24,000	3/4	7.5	8 x 44	18 x 40	43 x 18 x 52

\*At most efficient salt setting \*\*At 15# salt setting

**Procam Controls, Inc. 2605 Technology Dr. Bldg. 300, Plano, TX 75074**

Ph: 972.422.1212 Fax: 972.422.6262 [www.procamcontrols.com](http://www.procamcontrols.com)

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