For Commercial Applications

Job Name _____ Contractor _____

Job Location _____ Approval _____

Engineer _____ Contractor's P.O. No. _____

Approval _____ Representative _____

Model PWSCAB30K

Space Saver 30K Cabinet Whole House Water Softening Systems

Connection Size: 1" (25mm)
Flow Rate: Up to 10 gpm (37.8 lpm)

PURE WATER

PWSCAB30K

The Water Softening Process

Hard water contains high levels of dissolved minerals, typically in the form of calcium and iron salts. Water softening reduces the hardness of water using an ion-exchange process. Hard water enters the softener, passing through the ion-exchange media where the minerals are removed by attaching to the resin media. The softened water then flows out to the point-of-use. As the minerals build up on the media, the softening ability of the media gradually reduces until the softener switches to the regeneration cycle that removes the minerals from the media. Brine (salt solution) is circulated through the media and is released to drain, carrying away the hardness minerals. The softener then returns to normal operation, resuming the softening process.

Features

- Unique, space-saving low profile design is ergonomically engineered for easy salt fill and storage capacity...holds 170 pounds of salt
- Ultra safe 12 volt system so you don't have to worry about electrical wiring
- Built-in self-cleaning media for sediment and dirt reduction
- High-capacity, premium softening media ensures maximum efficiency for hardness and clear water iron reduction
- Unique safety shutoff valve eliminates overflow
- Exclusive distribution system ensures maximum contact with media
- Manufactured using only the finest materials and processes
- Set the electronic control with one button regenerates based on exact water used. No guess work, no waste. Space saving design installs under sink or in limited space

Note: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.

WATTS®

Softener Specifications

Max compensated hardness (grains)	90
Max ferrous iron reduction	10ppm
Media type and amounts	Power clean filter media Super fine mesh resin 1 cu. ft.
Salt usage (lbs.)/Capacity (HC-High Capacity)	10/30,000
Salt usage (lbs.)/Capacity (HE-High Efficiency)	5/21,200
Max water temperature	120°F / 49°C
Mineral tank size	10.5" x 21"
Peak flow rate/psi drop	10 gpm / 14.5
Pressure drop @ service flow rate of 4 gpm	4.0psi
Max flow rate to drain during regeneration (gpm)	2
Water Pressure (minimum – maximum psi)	20/120
Controller type	4 Button
Regeneration time (mins) (HC – High Capacity)	50
Regeneration time (mins) (HE – High Efficiency)	27
Water used / regeneration (gallons) (HC-High Capacity)	35
Water used / regeneration (gallons) (HE-High Efficiency)	21
Frequency of regeneration (days)	Demand
Salt Storage	170 lbs.
Height (in.)	30.5"
Footprint (in.)	15" x 26"
Electrical Rating	12 VAC, 1 Phase 60 Hz
Plumbing connections	1" MNPT
Shipping weight—approximate	115 lbs.

Notes:
Capacities are based on resin manufacturer's data and are dependent upon influent water, TDS, temperature, bed depth and flow rates. Feed water must be free of oil and color.

Pipe size, tank, and space requirements are in inches.

For more information, please call your authorized Watts representative.