

## Engineering Specification

Job Name \_\_\_\_\_

Contractor \_\_\_\_\_

Job Location \_\_\_\_\_

Approval \_\_\_\_\_

Engineer \_\_\_\_\_

Contractor's P.O. No. \_\_\_\_\_

Approval \_\_\_\_\_

Representative \_\_\_\_\_

# Series PWSCAB

## Residential Cabinet Water Softener

**Connection Size: 1" (25 mm)**

**Flow Rate: Up to 16 gpm (61 lpm)**

The Series PWSCAB cabinet water softener is designed for residential applications ranging from 30,000 to 45,000 grains of hardness removal capacity at flow rates up to 16 gallons per minute.

### Features

- Compact cabinet style design
- Salt loading port with sliding cover for convenient filling
- Unique flip-up access window to program the valve without removing the cover
- Complete whole house water treatment system
- State-of-the-art computer programming to increase efficiency, save salt and water
- Uses downflow regeneration
- Demand regeneration for highest efficiency
- Engineered and tested to perform, one of the most reliable valve platforms in the industry
- Full flow bypass valve included

### PWSCAB Series Control Valve

Manufactured from high-tech materials, the PWSCAB Series valve has been engineered and tested to perform in the most demanding environments. It has built a reputation for being one of the most reliable valve platforms in the industry. All surfaces contacted by water are made from 100% polymer components so that corrosion from acidic water and brine is no longer a concern.

### Electronic Control

The PWSCAB Series valve features an advanced electronic control for easy programming. Adjustable brining, adjustable reserve, high-efficiency regeneration and simplified programming are now standard.

### Softening Media

The exchange media is a high-capacity cation polystyrene resin that combines high operating capacity with excellent chemical and physical stability for a long, dependable life.

**WATTS®**  
pure water



PWSCAB Series Softener

### Resin Tank

Features a non-corrosive fiberglass tank with a thermoplastic inner liner. Unique space-saving resin tank in cabinet design.

### Brine Tank / Cabinet

The brine tank is a combination brine maker and salt storage vessel and is made of tough, corrosion-free high-density polyethylene (HDPE). Brine refill is controlled by the advanced electronic controller to provide the correct amount of brine for each regeneration.

#### ⚠ WARNING

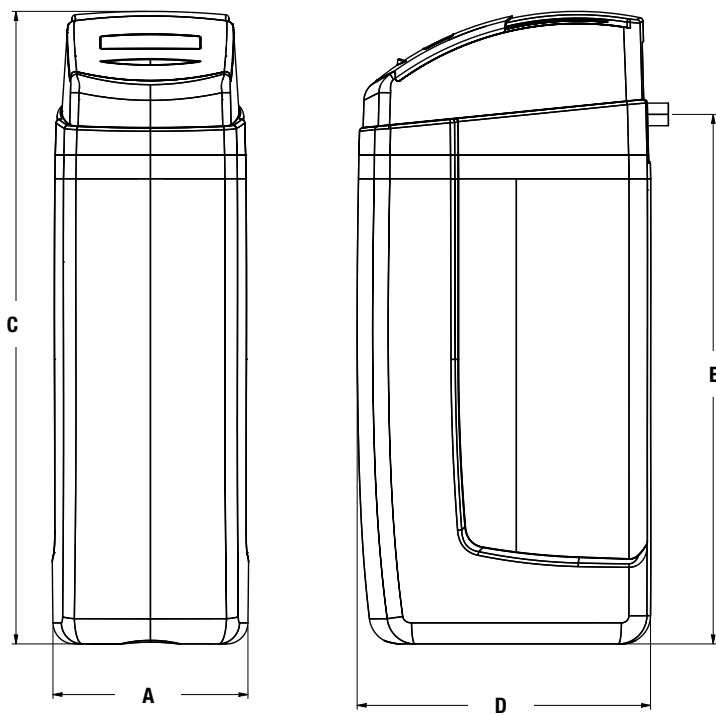
Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

#### NOTICE

This Submittal is not intended to provide full installation instructions and safety information. In order to avoid property damage or injury, please refer to the complete installation manual and product safety information provided with the product.

# PWSCAB

PWSCAB45K	
Max/Min Ion Exchange Capacity	45,000/30,000
Lbs of salt required for Max/Min capacity	22.5-9
Salt Storage Capacity	208 lb
Flow Rate in GPM @ 15 PSI Drop	12 - 16
Backwash Flow Rate GPM	2.7
Drain Line Connection Size	3/4" NPT
Inlet/Outlet Pipe Size	1"
Electrical Requirements	120v60Hz
Mineral Tank Size D X H	12" x 35"
Cabinet Size D X W X H	24.6" x 13.8" x 44.6"
Floor space required in inches W x D	27" x 37"
Approximate Shipping Weight Lbs	130



Cabinet Tank

### NOTES:

Input water conditions will influence the performance and flow rate of the system.

All units come standard with 1" bypass.

All units are shipped from factory set at minimum capacity and minimum salt usage to afford a 40% salt savings.

If Iron content is up to 1 PPM use resin cleaner regularly. Iron over 1 PPM should be pre-treated.

## Dimensions

Call customer service if you need assistance with technical details.

MODEL NO.	ORDERING CODE	OVERALL WIDTH		INLET		OUTLET		OVERALL HEIGHT		OVERALL DEPTH	
		A in.	mm.	E in.	mm.	E in.	mm.	C in.	mm.	D in.	mm.
PWSCAB45K	7101109	13.8	348	37.2	945	37.2	945	44.6	1130	24.6	625



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