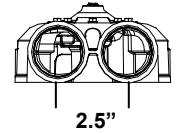


Kinetico PREMIER

SERIES™

WATER SOFTENERS

Model S250



System Components

| | |
|---------------------------------|--|
| Media Vessel (Qty.) Size | (2) 8" x 40" |
| Media Vessel Construction | Wrapped Polyethylene |
| Empty Bed Volume | 1.04 ft ³ |
| Media Type | Non Solvent Cation Resin |
| Media Volume | 0.70 ft ³ |
| Bed Depth | 27" |
| Free Board | 13" |
| Riser Tube | 1" ABS |
| Distributor Upper | 0.014" Slots, ABS Basket |
| Lower | 0.014" Slots, ABS Basket |
| Under bedding | None |
| Regeneration Control | Non-electric Use Meter |
| Regeneration Type | Countercurrent |
| Meter Type | 0.30 - 25.00 gpm Polypropylene Turbine |

Inlet Water Quality

| | |
|--|-------------------------------|
| Pressure Range | 15 – 125 psi Dynamic Pressure |
| Temperature Range | 34 – 120° F |
| pH Range | 5 – 10 SU |
| Free Chlorine Cl ₂ (Max.) | 2.0 mg/L |
| Hardness as CaCO ₃ (Max.) | 88 gpg |

Operating Specs

| | |
|---|-----------------|
| Flow Range (15 / 30 psig) | 11.5 – 18.0 gpm |
| Flow Configuration | Alternating |
| Dimensions (Width x Depth x Height) | 17" x 8" x 46" |
| Weight (Operating / Shipping) | 200 / 140 lbs. |

Connections

| | |
|----------------------------------|-----------------------|
| Inlet / Outlet Connections | Custom E-clip Adapter |
| Drain Connection | 0.5" Tube |
| Brine Line Connection | 0.375" Tube |
| Power | None |

System Part Numbers

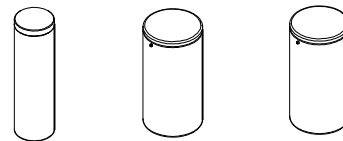
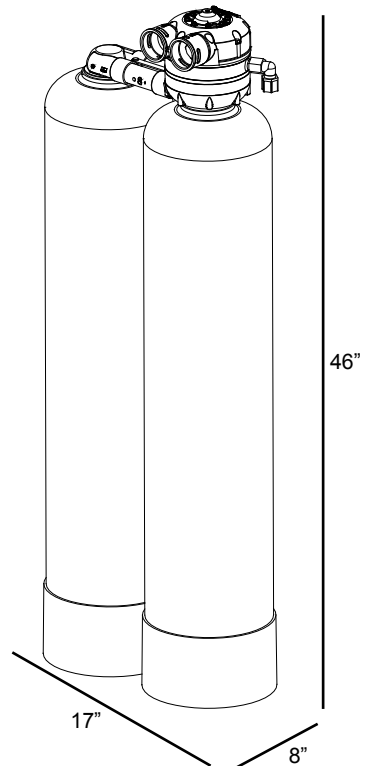
| | |
|---|-------|
| Premier S250, 18 x 35 brine drum | 15080 |
| Premier S250, no brine drum | 15081 |
| Premier S250, no resin, no brine drum | 15082 |

Brine Tank Options

| | | | |
|------------------------------|-----------------|---------------|-----------|
| Tank Description | 12" x 40" | K Spray | 18" x 35" |
| Brine Tank Part Number | 1479B | 9763A | 7938 |
| Tank Height | 40" | 35" | 35" |
| Tank Footprint | 12" DIA | 18" DIA | 18" DIA |
| Material | HDPE | HDPE | HDPE |
| Salt Capacity | 100 lbs. | 200 lbs. | 250 lbs. |

Regeneration Specifications

| | |
|---------------------------------|------------|
| Regeneration Volume | 35 gallons |
| Regeneration Time | 45 minutes |
| Backwash Flow Control | 2.00 gpm |
| Brine Refill Flow Control | 0.40 gpm |



| Salt Setting | Capacity | Efficiency | Dosing |
|--------------|---------------|---------------|--------------------------|
| **2.7 lbs. | 11,792 grains | 4,368 gr./lb. | 3.9 lbs./ft ³ |
| 3.6 lbs. | 14,627 grains | 4,063 gr./lb. | 5.1 lbs./ft ³ |
| **4.0 lbs. | 14,196 grains | 3,549 gr./lb. | 5.7 lbs./ft ³ |
| 4.4 lbs. | 16,630 grains | 3,780 gr./lb. | 6.3 lbs./ft ³ |

**Settings certified by WQA

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WATER SOFTENERS

Model S250

Operating Profile

Softener shall remove hardness to less than 1/2 gpg when operated in accordance with the operating instructions. The system shall include two tanks. This duplex configuration shall operate with one tank on-line during service. During regeneration cycles, one tank shall provide water to service and to the regenerating tank. A water meter shall initiate system regeneration. The water meter shall measure the processed volume and be adjustable. Service flow shall be downflow and regeneration flow shall be upflow.

Regeneration Control Valve

The regeneration control valve shall be top mounted (top of media tank), and manufactured from non-corrosive materials. Control valve shall not weigh more than four pounds. Control valve shall provide service and regeneration control for two media tanks. Inlet and outlet ports shall accept a quick connect, double O-ring sealed adapter. Interconnection between tanks shall be made through the regeneration valve with a quick connect adapter. Control valve shall operate using a minimum inlet pressure of 15 psi. Pressure shall be used to drive all valve functions. No electric hook-up shall be required. Control valve shall incorporate four operational cycles including; service, brine draw, slow rinse, and a combined fast rinse and brine refill. Service cycle shall operate in a downflow direction. The brine cycle shall flow upflow, opposite the service flow, providing a countercurrent regeneration. Control valve shall contain a fixed orifice eductor nozzle and self-adjusting backwash flow control. The control valve will prevent the by-pass of hard water to service during the regeneration cycle.

Media Tanks

The tanks shall be designed for a maximum working pressure of 125 psi and hydrostatically tested at 300 psi. Tanks shall be made of polyethylene and reinforced with a fiberglass wrapping. Each tank shall include a 2.5 in. threaded top opening. Each tank shall be NSF approved. Upper and lower distribution system shall be of a slot design. Distributors will provide even flow of regeneration water and the collection of processed water.

Conditioning Media

Each softener shall include non solvent cation resin having a minimum exchange capacity of 30,000 grains/ft³ when regenerated with 15.0 lbs/ft³. The media shall be solid, of a proper particle size and shall contain no plates, shells, agglomerates or other shapes, which might interfere with the normal function of the water softener.

Brine System

A combination salt storage and brine production tank shall be manufactured of corrosion resistant, plastic. The brine tank shall have a chamber to house the brine valve assembly. The brine float assembly shall allow for adjustable salt settings and shall provide for a shutoff to the brine refill. The brine tank shall include a safety overflow connection to be plumbed to a suitable drain.