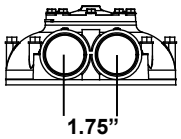
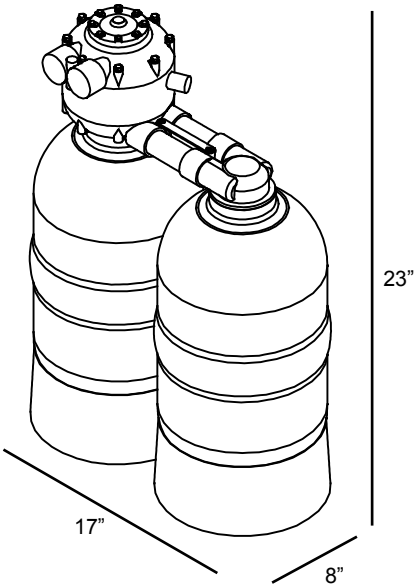
Kinetico®
water systems

CC 208s

System Components

Media Vessel (Qty.) Size	(2) 8” x 17”
Media Vessel Construction	Engineered Plastic
Empty Bed Volume	0.40 ft^3
Media Type	Standard Mesh Resin
Media Volume	0.40 ft^3
Bed Depth	Packed
Free Board	None
Riser Tube	1” ABS
Distributor Upper	0.012” Slots, Engineered Plastic Basket
Lower	0.009” Slots, Stainless Steel Flat Plate
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	35 – 120° F
Temperature (Continuous)	100° F
pH Range	5 – 10 SU
Free Chlorine Cl_2 (Max.)	2.0 mg/L
Hardness as $CaCO_3$ (Max.)	42 gpg

Operating Specs

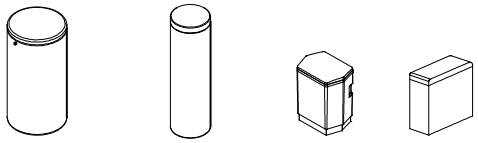
Flow Range (15 / 30 psig)	10.2 – 16.4 gpm
Flow Configuration	Alternating
Dimensions (Width x Depth x Height)	17” x 8” x 23”
Weight (Operating / Shipping)	180 / 70 lbs.

Connections

Inlet / Outlet Connections	Custom Adapter and Bracket
Drain Connection	0.5” Tube
Brine Line Connection	0.375” Tube
Power	None

System Part Numbers

CC 208s, Metered Compact Softener	11269A



Brine Tank Options

Tank Description	18 X35	12 x 40	12 x 16 x 20	8 x 16 x 19
Brine Tank Part Number	7938	1479	7202	2322
Tank Height	35”	40”	20”	19”
Tank Footprint	18” DIA	12” DIA	12 x 16”	8 x 16”
Material	HDPE	HDPE	HDPE	ABS
Salt Capacity	250 lbs.	100 lbs.	50 lbs.	40 lbs.

Regeneration Specifications

Regeneration Volume	14 gallons
Regeneration Time	11 minutes
Backwash Flow Control	1.40 gpm
Brine Refill Flow Control	0.40 gpm

Setting	Capacity	Efficiency	Dosing	Meter Disc
1.0 lbs.	4,568 grains	4,568 gr./lb.	2.5 lbs./ft^3	
1.4 lbs.	5,212 grains	3,723 gr./lb.	3.5 lbs./ft^3	

Disc Selection

(Compensated Hardness*)

	1	2	3	4	5	6	7	8
	5	10	15	20	25	29	33	37
	6	12	18	23	28	33	37	42
Gallons/Regeneration:	732	366	244	183	146	122	105	92
Flow during regeneration (@ 15 psig):	10.2	10.2	10.2	10.2	10.2	8.3	6.7	5.5

*Compensated hardness in gpg = Hardness + (3 x Fe in mg/L)

revision date: August 2012

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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 upflow and regeneration flow shall be downflow.

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 an upflow direction. The brine cycle shall flow downflow, 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 engineered plastic with a 2.5 in. threaded top opening. Each tank shall be NSF approved. Upper distribution system shall be of a slot design. Lower distribution system shall be of a flat plate design. Distributors will provide even flow of regeneration water and the collection of processed water.

Conditioning Media
Each softener shall include standard mesh 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.