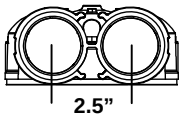
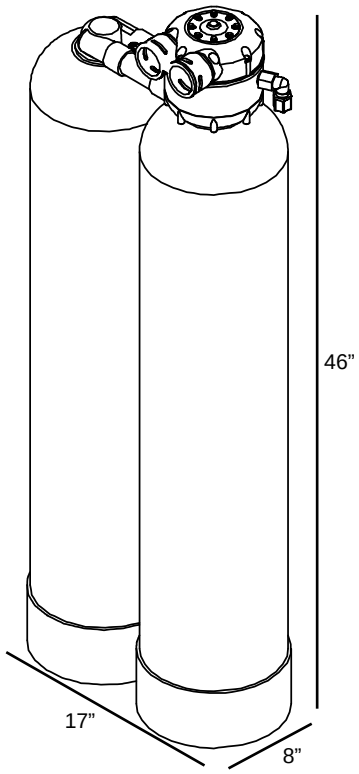
Kinetico 2060s Tannin Plus

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
Tannin Media	Tannin Selective Anion Resin
Tannin Media Volume	0.20 ft^3
Bed Depth	30”
Free Board	10”
Riser Tube	1” ABS
Distributor Upper	0.014” Slots, ABS Basket
Lower	0.014” Slots, ABS Basket
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
pH Range	5 – 10 SU
Free Chlorine Cl_2 (Max.)	2.0 mg/L
Iron (Max.)	4 ppm
Tannin (Max.)	4 ppm
Hardness as $CaCO_3$ (Max.)	60 gpg

Operating Specs

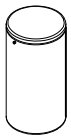
Service Flow (15 psig)	11.5gpm
Flow Configuration	Alternating
Dimensions (width x depth x height)	17 x 8 x 46”
Weight (Operating / Shipping)	200 / 140 lbs.

Connections

Inlet / Outlet Connections	Custom Adapter and E-Clip
Drain Connection	0.5” Tube
Brine Line Connection	.0.375” Tube
Power	None

System Part Numbers

Kinetico 2060s Tannin Plus TA 35, 18 x 35 brine drum	11402
Kinetico 2060s Tannin Plus, 18 x 35 brine drum	11400
Kinetico 2060s Tannin Plus, no brine drum	11401



Brine Tank Options

Tank Description	18 x 35
Brine Tank Part Number	7938
Tank Height	35”
Tank Footprint	18” DIA
Material	HDPE
Salt Capacity	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

Disc Selection

(Compensated Hardness*)

Setting	Dosing	Meter Disc	1	2	3	4	5	6	7	8
4.4 lbs.	3.9 lbs./ft^3		--	9	18	27	34	41	48	54
5.0 lbs.	5.1 lbs./ft^3		--	10	19	28	36	44	51	57
5.5 lbs.	5.7 lbs./ft^3		--	11	20	29	38	46	53	60
	Gallon/Regeneration:		1250	625	416	312	250	208	178	156

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

revision date: August 2009

Kinetico 2060s

Operating Profile
Softener shall remove hardness to less than 1/2 gpg and removal tannins 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 uniform bead cation resin having a minimum exchange capacity of 30,000 grains/ft^3 when regenerated with 15.0 lbs/ft^3. 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.