Kinetico Twin Tank
K2100s Softener

NORTHCOAST WATERWORKS INC
WATER IMPROVEMENT TECHNOLOGY

Benefits of the Kinetico Non-Electric Design:

- Non-Electric operation. No timers or computers to set, adjust, repair, or replace. The patented design allows the unit to regenerate using hydraulic pressure, eliminating the need for electric controls
- Fully automatic operation

Benefits of the Metered Twin Tank Design:

- Enables the unit to regenerate one tank the moment it runs out of capacity, automatically switching service over to the other tank on standby
- Since one tank is always online, it provides an uninterrupted supply of treated water 24 hours a day
- Eliminates the need for a reserve capacity which results in the highest efficiency possible. This is a true demand system. Single tank softeners that are metered are only a semi-demand system because they rely on inefficient reserve capacities
- The unit uses treated water from one tank to regenerate the other. This results in maximum service life. This is particularly beneficial for water with high iron and manganese levels
- Corrosion resistant valve and tanks
- Outstanding transferrable Warranty

Independent Laboratory Certification

Kinetico Water Softeners are Tested and Certified by WQA against NSF/ANSI 44, NSF/ANSI 372, and CSA Standard B483.1 for specific performance claims as verified and substantiated by test data.

C USA

Kinetico®

Kinetico 2100s

System Components

Media Vessel (qty) Size		(2) 10 x 54”
Media Vessel Construction		Wrapped Polyethylene
Empty Bed Volume		2.19 ft^3
Media Type		Non Solvent Cation Resin
Media Volume		1.5 ft^3
Bed Depth		39”
Free Board		15”
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	35 – 120° F
pH Range	5 – 10 SU
Free Chlorine Cl_2 (Max.)	2.0 mg/L
Hardness as $CaCO_3$ (Max.)	107 gpg

Operating Specs

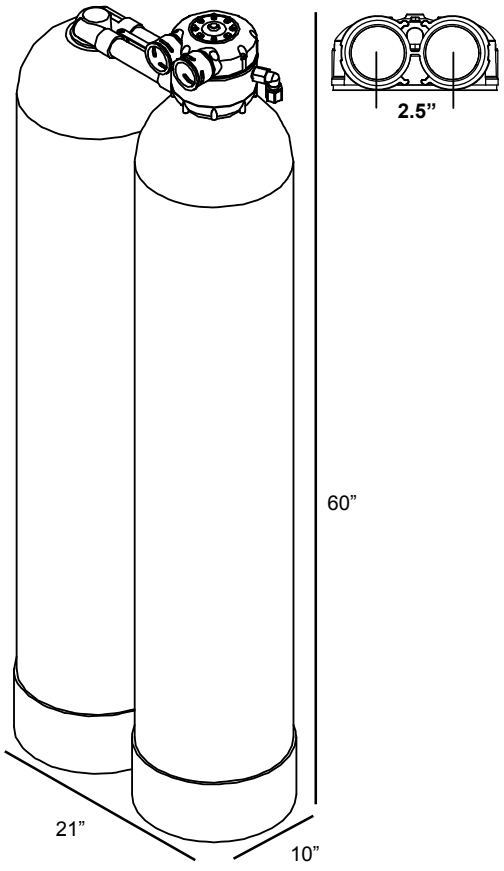
Flow Range (15 / 30 psig)	12.0 – 19.0 gpm
Flow Configuration	Alternating
Dimensions (width x depth x height)	21 x 10 x 60”
Weight (Operating / Shipping)	350 / 175 lbs.

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 2100s, 18 x 35 brine drum	11031
Kinetico 2100s, no brine drum	11050
Kinetico 2100s, no brine drum, no resin	11052



Brine Tank Options

Tank Description	K-Spray	18 x 35
Brine Tank Part Number	9763A	7938
Tank Height	35”	35”
Tank Footprint	18” DIA	18” DIA
Material	HDPE	HDPE
Salt Capacity	250 lbs.	250 lbs.

Regeneration Specifications

Regeneration Volume	102 gallons
Regeneration Time	90 minutes
Backwash Flow Control	3.00 gpm
Brine Refill Flow Control	0.70 gpm

Setting	Capacity	Efficiency	Dosing	Meter Disc
**5.5 lbs.	25,253 grains	4,591 gr./lb.	3.7 lbs./ft^3	
7.5 lbs.	30,843 grains	4,112 gr./lb.	5.0 lbs./ft^3	
**10 lbs.	41,087 grains	4,108 gr./lb.	6.7 lbs./ft^3	
15 lbs.	42,611 grains	2,840 gr./lb.	10.0 lbs./ft^3	

** Settings certified by NSF and or WQA

Disc Selection

(Compensated Hardness*)

	1	2	3	4	5	6	7	8
	11	21	30	38	--	--	--	--
	14	26	38	48	--	--	--	--
	17	31	46	58	67	76	85	94
	19	37	52	66	76	88	98	107
Gallons/Regeneration:	1,715	858	572	429	343	286	245	214

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

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