

# Kinetico 2060sOD

## System Components

Media Vessel (Qty.) Size .....	(2) 203 x 1,016 mm
Media Vessel Construction .....	Wrapped Polyethylene
Empty Bed Volume .....	29.5 liters
Media Type .....	Non Solvent Cation Resin
Media Volume .....	19.8 liters
Bed Depth .....	610 mm
Free Board .....	406 mm
Riser Tube .....	25 mm ABS
Distributor Upper .....	0.36 mm Slots, ABS Basket
Lower .....	0.36 mm Slots, ABS Basket
Under bedding .....	None
Regeneration Control .....	Non-electric Use Meter
Regeneration Type .....	Countercurrent
Meter Type .....	1.1 – 94.6 Lpm 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 <sub>2</sub> (Max.) .....	2.0 mg/L
Hardness as CaCO <sub>3</sub> (Max.) .....	66 gpg

## Operating Specs

Flow Range (15 / 30 psig) .....	78 – 114 Lpm
Flow Configuration .....	Overdrive
Dimensions (Width x Depth x Height) .....	432 x 203 x 1,168 mm
Weight (Operating / Shipping) .....	91 / 64 kg

## 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 OD, 18 x 35 brine drum .....	11201
Kinetico 2060s OD, no brine drum .....	11202
Kinetico 2060s OD, no resin, no brine drum .....	11789

## Brine Tank Options

Tank Description .....	12 x 16 x 20 .....	12 x 40 .....	K Spray .....	18 x 35 .....
Brine Tank Part Number .....	7202 .....	1479B .....	9763A .....	7938 .....
Tank Height .....	51 cm .....	102 cm .....	89 cm .....	89 cm .....
Tank Footprint .....	30 x 41 cm .....	30 cm DIA .....	46 cm DIA .....	46 cm DIA .....
Material .....	HDPE .....	HDPE .....	HDPE .....	HDPE .....
Salt Capacity .....	23 kg .....	45 kg .....	91 kg .....	114 kg .....

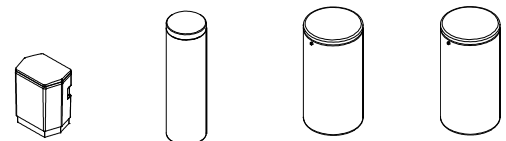
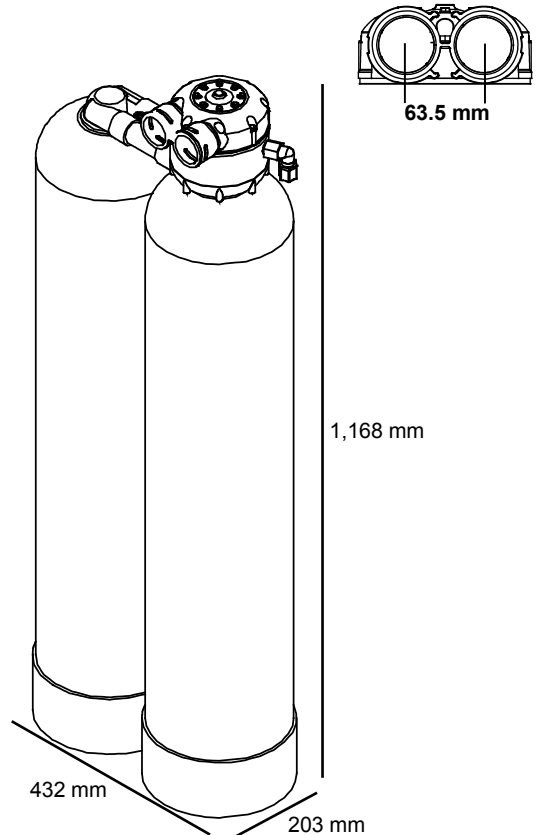
## Regeneration Specifications

Regeneration Volume .....	132 liters
Regeneration Time .....	45 minutes
Backwash Flow Control .....	7.6 Lpm
Brine Refill Flow Control .....	1.5 Lpm

Setting	Capacity	Efficiency	Dosing	Meter Disc
**1.2 kg	808 grams	660 grams/kg	0.06 kg/L	
**1.8 kg	1,023 grams	564 grams/kg	0.09 kg/L	
2.0 kg	1,076 grams	539 grams/kg	0.10 kg/L	

**Liters/Regeneration:**

\*\* Settings certified by NSF and or WQA



## Disc Selection

(Compensated Hardness\*)

1	2	3	4	5	6	7	8
51	103	154	188	239	291	325	376
68	137	188	257	291	359	428	479
68	137	205	274	325	393	445	513
12,004	6,002	4,001	3,001	2,401	2,001	1,714	1,500

\*Compensated hardness in mg/L = Hardness + (51 x Fe in mg/L)

## Operating Profile

Softener shall remove hardness to less than 8 mg/L when operated in accordance with the operating instructions. The system shall include two tanks. This duplex configuration shall operate with both tanks 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 1 bar. 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 8.6 bar and hydrostatically tested at 20.7 bar. 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 non-solvent cation resin having a minimum exchange capacity of 68.6 grams of CaCO<sub>3</sub> per liter of resin when regenerated with 0.24 kg of salt per liter of resin. 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.