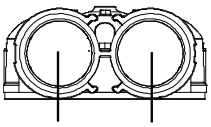
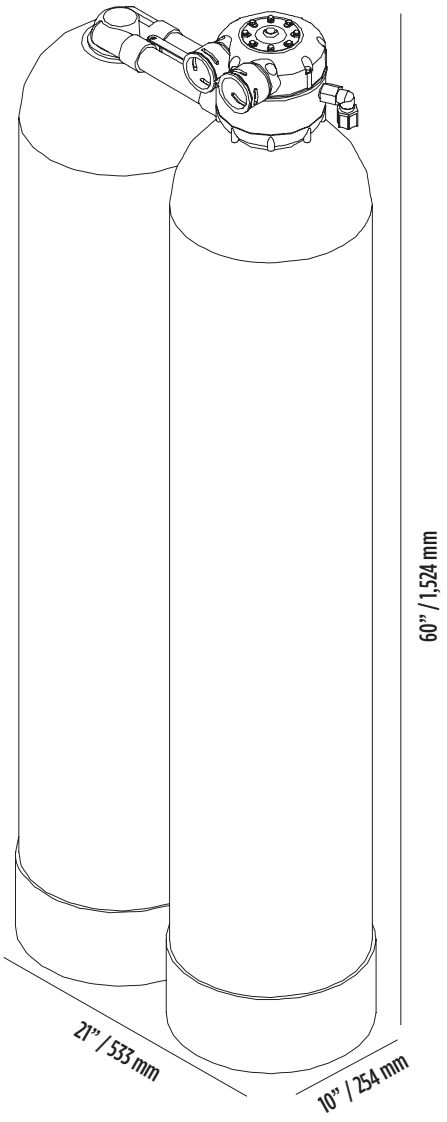
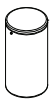
Kinetico Premier Series Model 2100s OD

Design Specifications		
Flow Range (15/30 psig / 1-2 Δ bar)	21 - 31 gpm	79 - 117 Lpm
Flow Configuration	Overdrive	
Pressure Range	15 - 125 psi Dynamic Pressure	1.0 - 8.6 bar Dynamic Pressure
Temperature Range	35 - 120˚ F	2 - 50˚ C
pH Range	5 -10 SU	
Free Chlorine Cl_2 (Max.)	0 mg/L	
Hardness as $CaCO_3$ (Max.)	57 gpg	975 mg/L
System Components		
Media Vessel (Qty. 2)	10" x 54"	254 mm x 1,372 mm
Media Vessel Construction	Wrapped Polyethylene	
Empty Bed Volume	2.19 cubic feet	62 liters
Media Type	Standard Mesh Cation Resin	
Media Volume	1.5 cubic feet	42 liters
Total Bed Depth	39"	991 mm
Free Board	15"	381 mm
Riser Tube	1" ABS	25 mm ABS
Upper Distributor	0.014" Slots, ABS Basket	0.36 mm Slots, ABS Basket
Lower Distributor	0.014" Slots, ABS Basket	0.36 mm Slots, ABS Basket
Under Bedding	None	
Regeneration Control	Non-electric Use Meter	
Service Flow	Downflow	
Regeneration Type	Countercurrent	
Metering Flow Range	0.75 - 40.0 gpm	2.8 - 151.4 Lpm
Connections		
Inlet / Outlet Connection	Custom E-clip Adapter	
Drain Connection	0.5" Tube	
Brine Line Connection	0.375" Tube	
Power	None	
System Part Numbers		
Premier 2100s OD, 18" x 35" Brine Drum	11128	
Premier 2100s OD, No Brine Drum	11129	
Dimensions and Weight		
Height	60"	1,524 mm
Width	21"	533 mm
Depth	10"	254 mm
Shipping Weight	175 lb	79 kg
Operating Weight	350 lb	159 kg
Regeneration Specifications		
Regeneration Volume	102 gallons	386 liters
Regeneration Time	90 minutes	
Backwash Flow Control	3.00 gpm	11.3 Lpm
Brine Refill Flow Control	0.70 gpm	2.7 Lpm







Brine Tank Options

Tank Description	18" x 35"	
Brine Tank Part Number	7938A	
Tank Height	35"	89 cm
Tank Footprint	18" DIA	46 cm DIA
Material	HDPE	
Salt Capacity	250 lb	114 kg

Setting		Capacity		Efficiency		Dosing		**Disc Selection** *(Compensated Hardness*)* **Meter Disc** 1	2	3	4	5	6	7	8
5.5 lb	2.5 kg	25,253 grains	1,634 grams	4,591 grains/lb	655 grams/kg	3.7 lb/ft³	0.06 kg/L	5 (86)	10 (171)	14 (239)	18 (308)	22 (376)	25 (428)	28 (479)	30 (513)
10 lb	4.5 kg	41,087 grains	2,659 grams	4,108 grains/lb	586 grams/kg	6.7 lb/ft³	0.11 kg/L	8 (137)	15 (257)	22 (376)	27 (462)	33 (564)	38 (650)	42 (718)	46 (787)
15 lb	6.8 kg	42,611 grains	2,758 grams	2,840 grains/lb	405 grams/kg	10.0 lb/ft³	0.16 kg/L	10 (171)	19 (325)	27 (462)	34 (581)	40 (684)	46 (787)	52 (889)	57 (975)
							Gallons (Liters)/ Regeneration:	3,829 (14,494)	1,915 (7,247)	1,276 (4,831)	957 (3,624)	766 (2,899)	638 (2,416)	547 (2,071)	479 (1,812)

**Compensated hardness in grains/gal = Hardness + (3 x Fe in mg/L)*
**Compensated hardness in mg/L = Hardness + (51 x Fe in mg/L)*