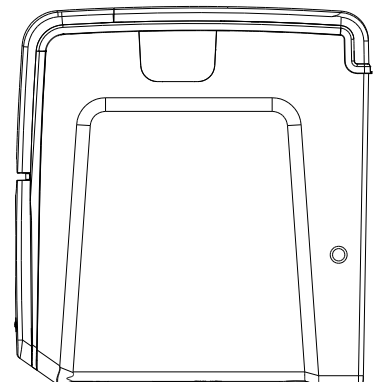
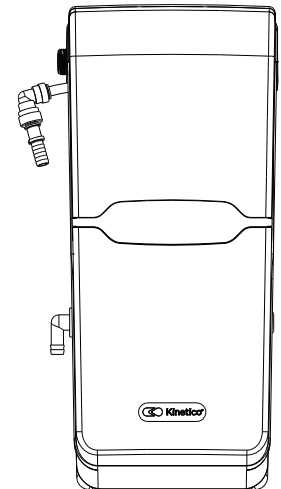
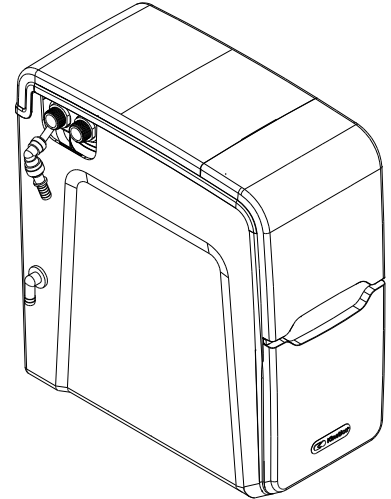


Model HE INT

Design Specifications	
Part Number	16145
Flow Configuration	Alternating
Flow Rate @ 1 Δ bar	22.7 lpm (6.0 gpm)
Pressure Range	1.8 - 6 bar (26 - 87 psi) Dynamic Pressure
Temperature Range	2 - 23°C (36 - 73°F)
Free Chlorine Cl ₂ (Max.)	0.0 ppm
Hardness as CaCO ₃ (Max. in ppm)	507 ppm
pH Range	5 - 10 SU
Iron (ferrous)	0 for Packed Bed
Iron (ferric)	0 for Packed Bed
System Components	
Media Vessel (Qty. 2) Size	152 x 330 mm (6.0 x 13.0 inch)
Media Vessel Construction	Engineered Plastic
Empty Bed Volume	None
Media Type	Non-Solvent Fine Mesh Cation Resin
Media Volume (Per Tank)	4.5 liters (0.16 cubic foot)
Total Bed Depth	Packed
Free Board	None
Riser Tube (Qty. 2)	1.0" Diameter ABS
Distributor Upper (Qty. 2)	0.23 mm (0.009 inch) Slots, Engineered Plastic Basket
Distributor Lower (Qty. 2)	0.19 mm (0.007 inch) Slots, Stainless Steel Flat Plate
Regeneration Control	Non-electric Use Meter
Connections	
Port Sizes on Level One (Qty. 2)	33.6 mm (1.32 inch) I.D.
Inlet / Outlet Connections	N/A
Drain Connection	0.62" O.D. Tube
Brine Line Connection	0.25" O.D. Tube
Brine Tank Overflow	0.62" O.D. Tube
Power	None
Dimensions and Weight	
Dimensions (Width x Depth x Height)	498 x 219 x 468 mm (19.6 x 8.6 x 18.4 inch)
Shipping Weight	17.0 kg (37.5 lb)
Operating Weight	21.7 kg (47.8 lb)
Key Valve Components & Characteristics	
Meter Nozzle	Part Number 13689 - Nozzle, Meter-Half Louver-ACS
Meter Gearing	2-2-7-6
Meter Turbine	PP9 - 9258
Regeneration Gearing	2-2-2-2
Backwash Flow Control	0.70 GPM
Regeneration Turbine	Turbine Regen 10 Jet
Brine Refill Flow Control	0.30 GPM SIL
Regeneration Specifications at 3.8 bar (55 psi)	
Total Regeneration Cycle Time	11 Minutes
Salt Used per Regeneration	0.34 kg (0.75 lb)
Backwash Flow Rate	2.7 lpm (0.70 gpm)
Regeneration Flow	Countercurrent
Salt Capacity (Pellet)	3.9 Kg (8.5 lb)
Salt Capacity (Block) Qty. 2	2 x 4.0 Kg = 8.0 Kg (17.6 lb) Total Weight
Water Used for Regeneration	20.5 liters (5.4 gal)



Salt Setting									
0.34 kg (0.75 lb)		Capacity @ 55 psi			145967 ppm (2255 grains)				
Meter Disc		1	2	3	4	5	6	7	8
Max Hardness	gpg	4	9	13	17	21	25	28	30
	ppm	77	152	226	300	370	440	490	528
	°dH	4	9	13	17	21	25	28	30
	°TH	8	15	23	30	37	44	50	52
Liters/Gallons Between Regeneration		1961/518	980/259	654/173	490/130	392/104	327/86	280/74	245/65