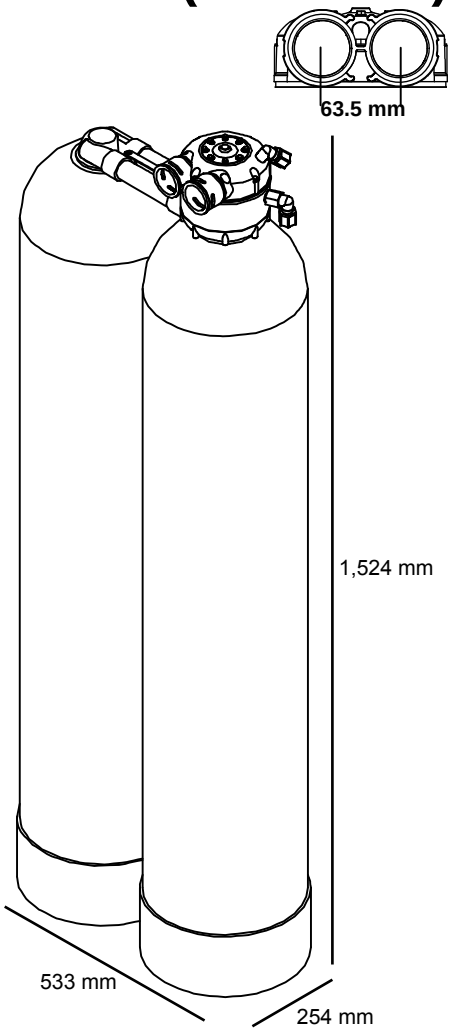
trust your water

Kinetico 2100f OD (Macrolite)

System Components

Media Vessel (qty) Size	(2) 254 x 1,378 mm
Media Vessel Construction	Wrapped Polyethylene
Empty Bed Volume	62 liters
Media	40 x 60 Mesh Macrolite
Media Volume	20 liters
Under bedding (each tank)	⅛ x ¼ Gravel
Under bedding Volume (each tank)	7 liters (11.3 kg)
Riser Tube	25 mm ABS
Distributor Upper	None
Lower	0.18 mm Slots, Engineered Plastic Basket
Regeneration Control	Non-electric Use Meter
Service	Down-flow
Backwash	Up-flow
Meter Type	1.1 -94.6 lpm Polypropylene Turbine



Inlet Water Quality

Pressure Range	1.0 – 8.6 bar Dynamic Pressure
Temperature Range	2 – 50° C
pH Range	5 – 10 SU

Operating Specs

Service Flow Rate (Δ1 / Δ2 bar)	38 – 68 lpm
Optimal Media Flow Rate (service)	38 lpm
Flow Configuration	Overdrive™
Dimensions (width x depth x height)	533 x 254 x 1,524 mm
Weight (Operating / Shipping)	204 / 86 kg

Connections

Inlet / Outlet Connections	Custom Adapter and E-Clip
Drain Connection	½" Tube
Secondary Drain Connection	⅜" Tube
Power	None

System Part Numbers

Kinetico 2100f Overdrive, Macrolite Filter	11146
Kinetico 2100f Overdrive, No Media	11134
Accessory:	
Lock-out Kit (for installation with a softener)	8070

Regeneration Specifications

Backwash Volume	492 liters
Backwash Time	20 minutes
Backwash Flow Control	23 lpm

Disc Selection

	1	2	3	4	5	6	7	8
Usable Liters between Backwash	8,207	4,103	2,736	2,052	1,641	1,368	1,172	1,026

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Operating Profile
The filter shall remove suspended solids to a nominal rating of 5 micron. Ceramic based non-consumable media shall be used for the filtration process. The system shall provide continuous filtered water through the use of a duplex (two tank) configuration. System backwashes shall be initiated by a water meter. The water meter shall measure the processed volume and be adjustable.

Backwash Control Valve
The backwash control valve shall be top mounted (top of media tank), and manufactured from non-corrosive materials. Control valve shall not weight more than four pounds. Control valve shall provide service and backwash 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 control 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 three operational cycles including; service, backwash and service flow rinse. The control valve will prevent the bypass of unfiltered water to service during the backwash cycle.

Media Tanks
The tanks shall be designed for a maximum working pressure of 8.6 bar (8.8 kg/cm2) and hydrostatically tested at 20.7 bar. Tanks shall be made of fiberglass-reinforced polypropylene with a 2.5" threaded top opening. Each tank shall be NSF approved. Upper and lower distribution system shall be of a slot design. They will provide even distribution of regeneration water and the collection of processed water.

Filtration Media
Each system shall use ceramic based filter media capability of operating in an average service flow of 3.5 lpm per square meter of media. The media shall be solid, of a proper particle size, 40-70 mesh. A minimum 31 cm bed depth shall be used with the system. Backwash shall produce a minimum of 50% bed expansion at a flow rate of 2.8 lpm per square meter of media.