



## Microlene Kinetico Water Softener

Model Number: E2060S (Softener only),  
KM2060S (Softener Kit incl. Bypass & Pre-filter)

### Applications

Ideal for reducing calcium, magnesium, manganese and iron from water sources to supply soft water to :-

- make cleaning easier
- make clothes and hair softer
- reduce scale in pipes and appliances

With Technology by Kinetico  
 Kinetico

### Benefits of Microlene's Kinetico Water Softeners

Microlene's Kinetico water softeners are a hard working non-electric design offering continuous supply of soft water using a twin tank system.

#### NON ELECTRIC

Only Microlene Kinetico uses the kinetic energy of moving water to power its system instead of electricity – thanks to the patented turbine. So you'll never have to worry about costly repairs or higher electricity bills.

#### 24/7

Our twin tank design allows our system to backwash without ever going offline, for round the clock operation. You'll never be interrupted or inconvenienced by regeneration.

#### METERED REGENERATION

Based on your water hardness, the system measures water use to accurately determine when it's time to regenerate with clock like precision, resulting in up to 20% less waste water and up to 40% savings in salt. Your softener automatically adjusts to your water use patterns.

#### SOFT WATER RINSE

Uses only soft conditioned water to clean the media, which extends the life of the system.

#### COUNTER CURRENT REGENERATION

Unlike most other systems, ours regenerates in counter-current mode, a more even and efficient use of resin beads, resulting in less waste water, less salt use and a longer lasting system.

#### OPERATING PROFILE

The softener can remove hardness to less than 9 mg/l when operated in accordance with the operating instructions. The system comprises two tanks. This duplex configuration operates with one tank on-line during service.

During regeneration cycles, one tank provides water to service and to the regenerating tank. An internal water meter initiates system regeneration. The water meter measures the processed volume and can be adjusted based on water hardness to be treated. Service flow is down-flow and regeneration flow is up-flow.

SPECIFICATIONS		
INLET WATER QUALITY		
Pressure Range	1.0-8.6 Bar	
Temperature Range	2 - 50°C	
pH Range	5 – 10 SU	
Free Chlorine Cl2 (Max.)	2.0mg/l	
Hardness as CaCO3 (Max.)	1,129mg/l	
OPERATING SPECIFICATIONS		
Flow Range	(1.0 – 2.1 Bar) 44 - 68 lpm	
Flow Configuration	Alternating	
Dimensions (w x d x h)	432 x 203 x 1,168mm	
Operating Weight	91kg	
Shipping Weight	64kg	
SYSTEM COMPONENTS		
Media Vessel Quantity	2	
Size	203 x 1,016mm	
Media Vessel Construction	Fibreglass Wrapped Engineered Plastic	
Empty Bed Volume	29.5 litres	
Media Type	Non Solvent Cation Resin	
Media Volume	19.8 litres	
Bed Depth	610mm	
Free Board	406mm	
Riser Tube	25mm ABS	
Distributor Upper	0.36mm Slots, ABS Basket	
Distributor Lower	0.36mm Slots, Stainless Steel Flat Plate	
Under bedding	None	
Regeneration Control	Non-electric Use Meter	
Regeneration Type	Counter Current	
Meter Type	1.1-94.6 lpm Polypropylene Turbine	
CONNECTIONS		
Inlet / Outlet Connections	32mm Custom Adapter and E-clip	
Drain Connection	13mm Tube	
Brine Line Connection	10mm Tube	
Power	None	
BRINE TANK OPTIONS		
Tank Description (inches)	18 x 35	12 x 40
Brine Tank Part Number	7938	1479B
Tank Height	889mm	1,016mm
Tank Footprint	457mm	304mm
Material	HDPE	HDPE
Salt Capacity	113.4kg	45kg
REGENERATION SPECIFICATIONS		
Regeneration Volume	132 litres	
Regeneration Time	45 minutes	
Backwash Flow Control	7.6 lpm	
Brine Refill Flow Control	1.5 lpm	

## REGENERATION CONTROL VALVE

The regeneration control valve is mounted on top of the media tank, and manufactured from non-corrosive materials. A control valve provides service and regeneration control for two media tanks. Inlet and outlet ports accept a quick connect, double o-ring sealed adapter. Interconnection between tanks is made through the regeneration valve with a quick connect adapter. The control valve operates using a minimum inlet pressure of 1 Bar. Pressure is used to drive all valve functions. No electric hook-up is required. The control valve incorporates four operational cycles: service, brine draw, slow rinse, and a combined fast rinse and brine refill. The brine cycle is up-flow, opposite the service flow, providing a counter current regeneration (opposite for MACH2020cHF). The control valve contains a fixed orifice eductor nozzle and self-adjusting backwash flow control. The control valve will prevent the bypass of hard water to service during the regeneration cycle.

## MEDIA TANKS

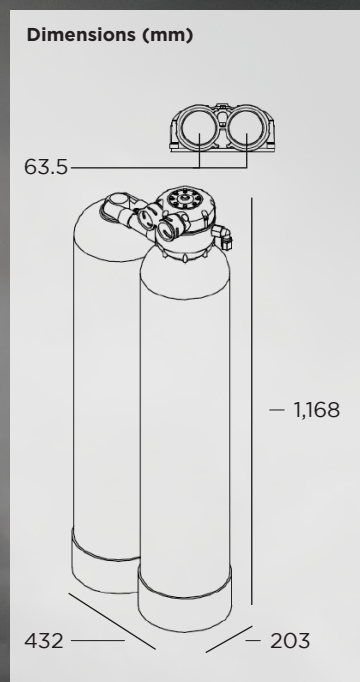
The tanks are designed for a maximum working pressure of 8.6 Bar and hydrostatically tested at 20.7 Bar. Tanks are made of engineered plastic with a 63.5mm threaded top opening. The tanks are NSF approved. The upper distribution system is a slot design. The lower distribution system is a flat plate design. Distributors will provide even flow of regeneration water and the collection of processed water.

## CONDITIONING MEDIA

Each softener includes non solvent cation resin having a minimum exchange capacity of 18 g/l when regenerated with 240.3g/l.

## BRINE SYSTEM

The combination salt storage and brine production tank is manufactured of corrosion-resistant plastic. The brine tank has a chamber to house the brine valve assembly. The brine float assembly allows for adjustable salt settings and provides for a shut-off to the brine refill. The brine tank includes a safety overflow connection to be plumbed to a suitable drain.



DISC SELECTION ( Compensated hardness\*\* ) – Disc 4 Fitted

Model	Regeneration setting	Hardness capacity	Efficiency	Dosing	Meter Disc	1	2	3	4	5	6	7	8
2060s	1.2kg*	808g	660g/kg	63g/l		137	257	376	479	581	684	770	855
2060s	1.6kg	947g	580g/kg	82g/l		154	308	462	581	701	821	923	1,026
2060s	1.8kg*	1,023kg	564g/kg	91g/l		171	325	479	616	752	872	975	1,077
2060s	2.0kg	1,076kg	539g/kg	101g/l		188	342	496	650	787	906	1,026	1,129
Litres processed before regeneration						4,743	2,373	1,582	1,185	950	791	678	594
Max continuous flow to storage						44	26	17	13	10	8	7	6

\*Certified by NSF and/or WQA

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



daveywater.com

This literature is not a complete guide to product usage. All images provided in this document are for illustration purposes only. Further information is available from your Davey Dealer, Davey Support Centre and from the relevant product Installation and Operating Instructions. Must be read in conjunction with the relevant product Installation and Operating Instructions and all applicable statutory requirements. Product specifications may change without notice. © Davey and Microlene are registered trademarks of Davey Water Products Pty Ltd. © Davey Water Products Pty Ltd 2022.