



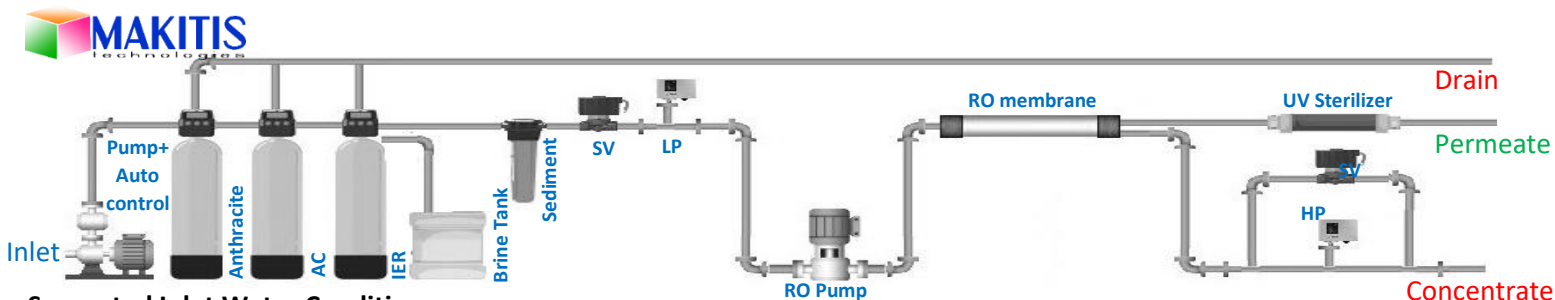


# Water Filter's RO unit

MAKITIS's RO Unit and Pretreatment (Softener) are the process that is used to remove a wide range of hardness, salts, dissolved organics, bacteria, macromolecular organics and particles silt to give water of a high purity. RO Unit must be supplied with softened, de-chlorinated water. A duplex softener is recommended for continuous operation. Utilising softened water for the feed to the RO will reduce the scaling potential on the membrane and therefore lengthen it. Dechlorination of the feed will reduce oxidation damage to the surface of the membrane.

							
		<b>Model</b>	<b>MK-RO4 Soft F/UV – 125LH</b>	<b>MK-RO4 Soft F/UV – 250LH</b>	<b>MK-RO4 Soft F/UV – 250LH</b>	<b>MK-RO4 Soft F/UV – 250LH</b>	<b>MK-RO4 Soft F/UV – 250LH</b>
<b>Capacity RO</b>	<b>liter/hrs.</b>	125	250	250	500	500	500
	<b>m<sup>3</sup>/day</b>	3	6	6	12	12	12
<b>Frame Material</b>		SUS 304					
<b>Voltage/Frequency</b>		220V / 50 Hz					
<b>Pipe line System</b>		UPVC 1"					
<b>Pre treatment</b>	<b>Application</b>	Softener Unit (Anthracite / AC / IER)					
	<b>Tank Mat.</b>	FUJITEC's FRP TANK or MAKITIS's SUS 304					
	<b>Size Tank (EA)</b>	844 (3)	1054 (3)	1054 (3)	1252 (3)	1252 (3)	1252 (3)
	<b>Control Valve</b>	Manual Control Valve or Auto Control Valve					
	<b>Water pump</b>	GIG's BLC70/037, 0.5 HP		GIG's BLC70/075, 1 HP			
	<b>Control Water pump</b>	FUJITEC's Automatic Pump Pressure Control					
	<b>Inlet Water's Pipe Connect</b>	Female 1 1/2"					
	<b>Water Drain's Pipe Connect</b>	Male 1"					
<b>Brine Tank (Qty)</b>		100 Liter PE Tank (1)					
<b>Sediment Filter (set)</b>		FUJITEC's PP 20" Cartridge Filter -5 MC (1)					
<b>RO Vessel Material</b>		SUS 304					
<b>RO membrane (Element)</b>		FUJITEC's 4021 (1)	FUJITEC's 4040 (1)	FUJITEC's 4040 (1)	FUJITEC's 4040 (2)	FUJITEC's 4040 (2)	FUJITEC's 4040 (2)
<b>Multistage Centrifugal Pump (Voltage/Frequency)</b>		GIG CV2-9, 1.1 KW (220V/50Hz)	GIG CV2-11, 1.2 KW (220V/50Hz)	GIG CV2-11, 1.2 KW (220V/50Hz)	GIG CV2-15, 1.5 KW (220V/50Hz)	GIG CV2-15, 1.5 KW (220V/50Hz)	GIG CV2-15, 1.5 KW (220V/50Hz)
<b>Pressure Switch Control (pcs)</b>		High (1), Low (1)					
<b>Solenoid Valve (pcs)</b>		FUJITEC's 1/2" 220V/50Hz (2)					
<b>Pipe line</b>		UPVC 1/2"					
<b>Flow Meter (pcs)</b>		Permeate (1) and Concentrate (1)					
<b>Pressure Gauge (pcs)</b>		Inlet Membrane (1) and Outlet Membrane (1)					
<b>UV Sterilizer</b>		Ultra Fresh's UVY 30 W					
<b>Outlet Water's Pipe Connect</b>		Permeate Water @ Male UPVC 1/2" and Concentrate Water @ Male UPVC 1/2"					
<b>Control Panel</b>		Breaker, Timer, Fuse, Magnetic contactor, Overload, Relay, Timmer, Switch Control					



## Suggested Inlet Water Conditions

Max. Feed Silt Density Index (SDI) : 5	Free Chlorine Tolerance : < 0.1 ppm	Turbidity : < 1 NTU
Inlet water Pressure : 2 -3 Bar	TDS : < 1000 ppm	Iron : < 0.05 ppm