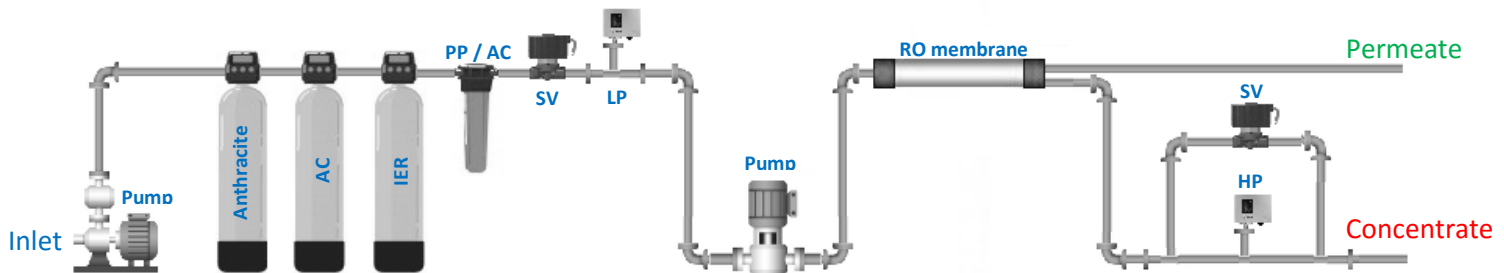


# Water Filter's RO unit

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 – 125LH</b>			<b>MK-RO4 Soft S - 250LH</b>			<b>MK-RO4 Soft F – 500LH</b>			
<b>Voltage/Frequency</b>	220 V / 50 Hz									
<b>Capacity</b>	liter/hrs.	125			250			500		
	m <sup>3</sup> /day	3			6			12		
<b>Frame Material</b>	SUS 304									
<b>Pre treatment</b>	<b>Application</b>	Softener Unit (Anthracite / AC / IER)								
	<b>Tank Mat.</b>	FUJITEC FRP or SUS								
	<b>Size Tank (pcs)</b>	844 (3)			1054 (3)			1252 (3)		
	<b>Control Valve</b>	Manual Control Valve								
	<b>Water pump</b>	GIG 1 HP 220V / 50 Hz + Automatic Pump Pressure Control								
<b>Vessel Material</b>	SUS 304									
<b>PP Cartridge Filter (pcs)</b>	PP 20" (1)									
<b>RO membrane (pcs)</b>	4021 (1)			4040 (1)			4040 (2)			
<b>Multistage Centrifugal Pump (Voltage/Frequency)</b>	GIG CV2-9, 1.1 KW (220V/50Hz)			GIG CV2-11, 1.1 KW (220V/50Hz)			GIG CV2-15, 1.5 KW (220V/50Hz)			
<b>Pressure Switch (pcs)</b>	High (1), Low (1)									
<b>Solenoid Valve (pcs)</b>	1/2" 220V/50Hz (2)									
<b>Pipe line</b>	UPVC 1/2"									
<b>Inlet Water's pipe connect</b>	Female 1/2"									
<b>Outlet's pipe</b>	<b>Permeate</b>	Male 1/2"								
	<b>Concentrate</b>	Male 1/2"								
<b>Flow Meter</b>	<b>Permeate</b>	0.8 – 8.0 LPM								
	<b>Concentrate</b>	0.8 – 8.0 LPM								
<b>Pressure Gauge</b>	<b>Inlet Membrane</b>	max 7 bar								
	<b>Outlet Membrane</b>	max 25 bar								
<b>Consumer Unit</b>	Breaker, Timer, Relay, Overload, Fuse, Magnetic contactor, Switch OFF/ ON									



## 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

