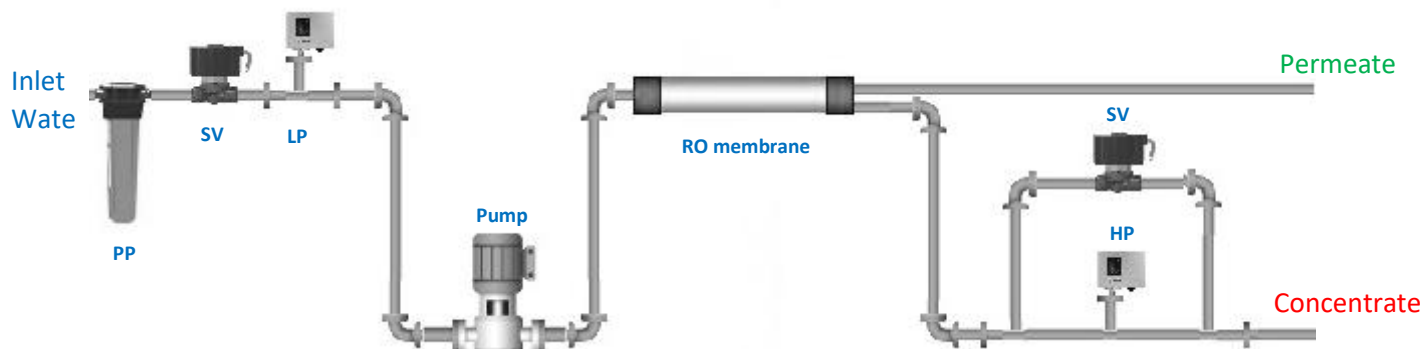


Water Filter's RO UNIT

MAKITIS's RO Unit are the process that is used to remove a wide range of 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.

						
Model		MK-RO4-125LH	MK-RO4-250LH	MK-RO4-500LH	MK-RO4-750LH	MK-RO4-1000LH
Electrical Current		220V/50Hz				
Capacity	liter/hrs.	125	250	500	750	1,000
	m³/day	3	6	12	18	24
Frame Material		SUS 202				
Vessel Material		SUS 304				
PP Cartridge Filter (pcs)		20" 5 micron (1)			20"BB 5 micron (1) or 20" 5 micron (2)	
RO membrane (pcs)		Fujitec 4021 (1)	Fujitec 4040 (1)	Fujitec 4040 (2)	Fujitec 4040 (3)	Fujitec 4040 (4)
Multistage Centrifugal Pump(Voltage/Frequency)		GIG CV2-7, 0.75kW (220V/50Hz)	GIG CV2-11, 1.1 KW (220V/50Hz)	GIG CV2-15, 1.5 KW (220V/50Hz)	GIG CV2-15, 1.5 KW (220V/50Hz)	GIG CV2-22, 2.2 KW (220V/50Hz)
Pressure Switch (pcs)		High (1), Low (1)				
Solenoid Valve (pcs)		1/2" 220V/50Hz (2)			3/4" 220V/50Hz (2)	1" 220V/50Hz (2)
Pipe line		UPVC 1/2"			UPVC 3/4"	UPVC 1"
Inlet Water's pipe connect		Female 3/4"			Female 3/4"	Female 1"
Adjusting Valve (pcs)		Adjust Pressure Pump (1), Adjust Flow Rate (1)				
Outlet's pipe	Permeate	Male UPVC 1/2"			Male 3/4"	Male 1"
	Concentrate	Male UPVC 1/2"			Male 3/4"	Male 1"
Flow Meter	Permeate	0.2-2GPM (1-7LPM)		0.5-5GPM (2-18LPM)		1-10GPM (5-35LPM)
	Concentrate	0.2-2GPM (1-7LPM)		0.5-5GPM (2-18LPM)		1-10GPM (5-35LPM)
Pressure Gauge		Cartridge Filter Out - max 7 bar (1), Outlet Membrane – max 25 bar (1)				
Consumer Unit		Breaker, Timer, Relay, Overload, Fuse, Magnetic contactor, Switch OFF/ Auto / Manual				



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