


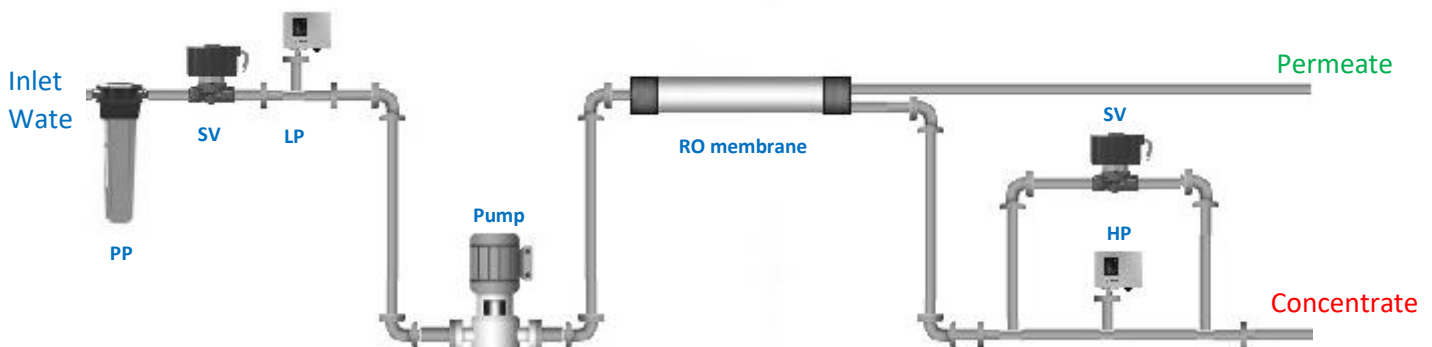


Water Filter's RO UNIT

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 (V)		220		220		220		220		220	
Capacity	liter/hrs.	125		250		500		750		1000	
	m³/day	3		6		12		18		24	
Frame Material		SUS 304									
Vessel Material		SUS 304									
Structure (L x W x H)-cm		47 x 60 x 100		47 x 60 x 125		47 x 60 x 125		-		-	
PP Cartridge Filter (pcs)		20" (1)				20"BB (1)					
RO membrane (pcs)		Fujitec 4021 (1)		Fujitec 4040 (1)		Fujitec 4040 (2)		Fujitec 4040 (3)		Fujitec 4040 (4)	
Multistage Centrifugal Pump(Voltage/Frequency)		GIG CV2-9, 1.1 KW (220V/50Hz)		GIG CV2-11, 1.1 KW (220V/50Hz)		GIG CV2-15, 1.5 KW (220V/50Hz)		GIG CV2-18, 2.2 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"			
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		Inlet Membrane (1), Outlet Membrane (1)									
Consumer Unit		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