

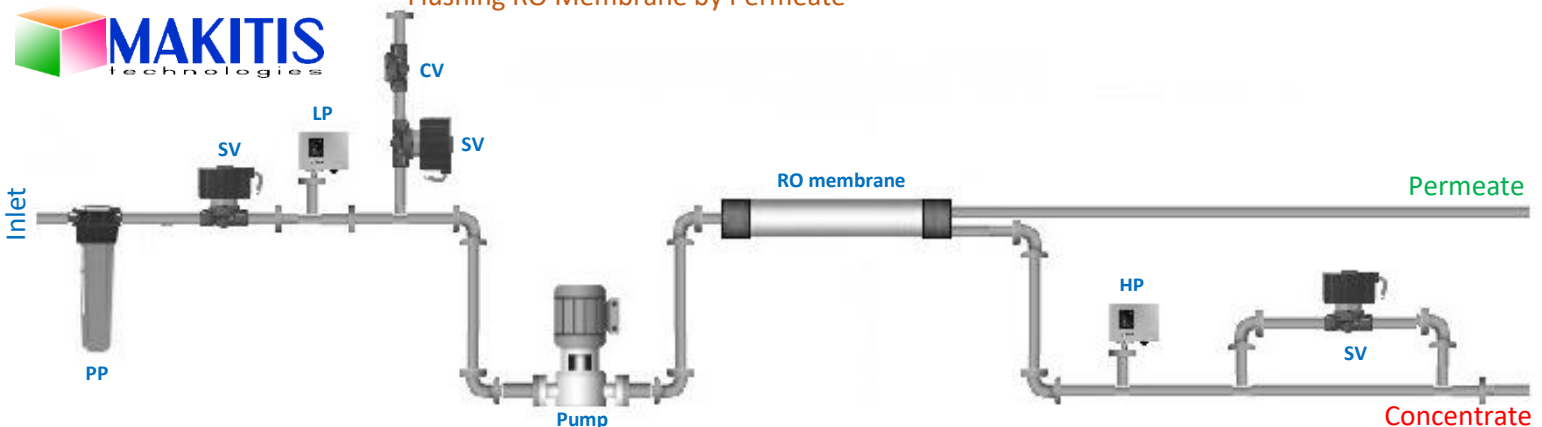
Water Filter's RO UNIT

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-RO8-1QH-1Ph	MK-RO8-1QH-3Ph	MK-RO8-1QHC-1Ph	MK-RO8-1QHC-3Ph
Electrical Current (V)		220	380	220	380
CIP in System (PE Size) / Pump		NO CIP		CIP (200L) / GIG BLC70/075 (T), 0.75Kw (1HP)	
Capacity	liter/hrs.	1,000			
	m ³ /day	24			
Frame Material		SUS 304			
Vessel Material		FRP			
Max Pressure Vessel / Vessel		300 PSI			
Sediment Filter (pcs)		20"BB PP Cartridge Filter 5 Micron (1)			
RO membrane (pcs)		Fujitec GN8040 (1)			
Multistage Centrifugal Pump (Voltage/Frequency)		GIG CV2-22, 2.2 Kw (220V/50Hz)	GIG CV2-22T, 2.2 Kw (380V/50Hz)	GIG CV2-22, 2.2 Kw (220V/50Hz)	GIG CV2-22T, 2.2 Kw (380V/50Hz)
Pressure Switch (pcs)		High (1), Low (1)			
Solenoid Valve (pcs)		1" 220V/50Hz (3)			
Pipe line		UPVC 1"			
Inlet Water's pipe connect		Male UPVC1"			
Inlet Water's Flushing RO membrane		Male UPVC 1"			
Outlet's pipe	Permeate	Female UPVC 1"			
	Concentrate	Female UPVC 1"			
Flow Meter	Permeate (pcs)	5-40 LPM / 0-10 GPM (1)			
	Concentrate (pcs)	5-40 LPM / 0-10 GPM (1)			
Pressure Gauge (pcs)		Cartridge Filter In (1), Cartridge Filter Out (1), Outlet Membrane (1)			
Consumer Unit		Breaker, Timer, Relay, Overload, Fuse, Magnetic contactor, Switch OFF/ ON, Full tank			

Flushing RO Membrane by Permeate



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