

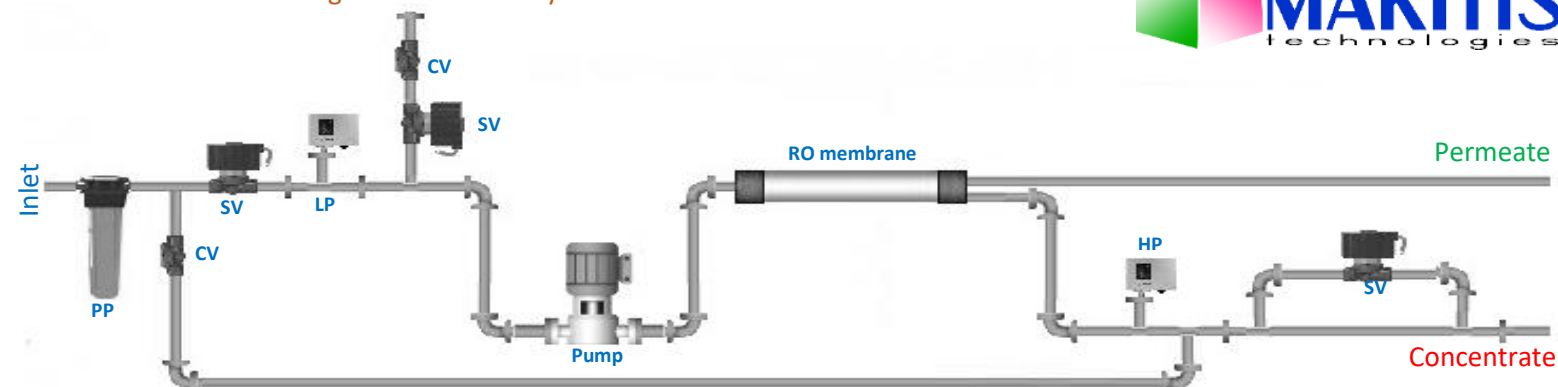
Water Filter's RO UNIT

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-RO8-4QH	MK-RO8-6QH	MK-RO8-8QH	MK-RO8-12QH
Electrical Current (V)	380	380	380	380
Capacity	liter/hrs.	4,000	6,000	8,000
	m ³ /day	96	144	192
Frame Material	SUS 304			
Vessel Material	FRP			
Max Pressure Vessel / Vessel	300 PSI			
Sediment Filter	PP Cartridge Filter 5 Micron			
RO membrane (pcs)	Fujitec GN8040 (4)	Fujitec GN8040 (6)	Fujitec GN8040 (8)	Fujitec GN8040 (12)
Multistage Centrifugal Pump (Voltage/Frequency)	GIG CV10-16, 5.5 KW (380V/50Hz)	GIG CV10-16, 5.5 KW (380V/50Hz)	GIG CV15-14, 11 KW (380V/50Hz)	GIG CV20-14, 15 KW (380V/50Hz)
Pressure Switch (pcs)	High (1), Low (1)			
Solenoid Valve (pcs)	1 1/2" 220V/50Hz (2)	2" 220V/50Hz (2)	2" 220V/50Hz (2)	3" 220V/50Hz (2)
Pipe line	UPVC 1 1/2"	UPVC 2"	UPVC 2"	UPVC 3"
Inlet Water pipe connect	Male UPVC 1 1/2"	Male UPVC 2"	Male UPVC 2"	Male UPVC 3"
Inlet Flushing RO membrane	Female UPVC 1 1/2"	Female UPVC 2"	Female UPVC 2"	Female UPVC 3"
Outlet's pipe	Permeate	Female UPVC 1 1/2"	Female UPVC 2"	Female UPVC 2"
	Concentrate	Female UPVC 1 1/2"	Female UPVC 2"	Female UPVC 2"
Flow Meter	Permeate	30-130LPM/5-35GPM	15-150LPM/4-40GPM	25-250LPM/6-60GPM
	Concentrate	30-130LPM/5-35GPM	15-150LPM/4-40GPM	25-250LPM/6-60GPM
Pressure Gauge	Inlet Membrane	30-130LPM/5-35GPM	15-150LPM/4-40GPM	25-250LPM/6-60GPM
	Outlet Membrane	30-130LPM/5-35GPM	15-150LPM/4-40GPM	25-250LPM/6-60GPM
Consumer Unit	Breaker, Timer, Relay, Overload, Fuse, Magnetic contactor, Switch OFF/ ON, Full tank, Alarm			

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