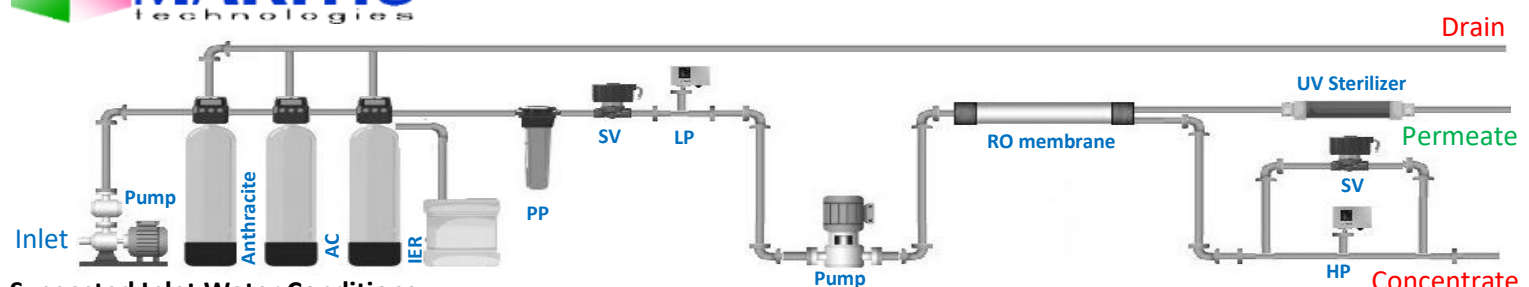


Water Filter's RO unit

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.

					
Model		MK-RO4 Soft F M UV – 125LH		MK-RO4 Soft F M UV - 250LH	MK-RO4 Soft F M UV – 500LH
Voltage/Frequency		220V / 50 Hz			
Capacity	liter/hrs.	125	250	500	
	m³/day	3	6	12	
Frame Material		SUS 202			
Pre treatment	Application	Softener Unit (Anthracite / AC / IER)			
	Tank Mat.	FRP			
	Size Tank (pcs)	844 (3)	1054 (3)	1252 (3)	
	Control Valve	Manul Multi - Function Control Valve			
	Inlet Water pump	GIG BLC70/037, 0.37kW, 0.5 HP	GIG BLC70/075, 0.75kW, 1 HP		
	Control Water pump	Automatic Pressure Control			
RO Vessel Material		SUS 304			
PP Cartridge Filter (pcs)		PP 20" (1)			
RO membrane (pcs)		4021 (1)	4040 (1)	4040 (2)	
Multistage Centrifugal Pump (Voltage/Frequency)		GIG CV2-7, 0.75 kW (220V/50Hz)	GIG CV2-11, 1.1 kW (220V/50Hz)	GIG CV2-15, 1.5 kW (220V/50Hz)	
Pressure Switch (pcs)		High (1), Low (1)			
Solenoid Valve (pcs)		1/2" 220V/50Hz (2)			
Pipe line		UPVC 1/2"			
Inlet Water's pipe connect		Female UPVC 1/2"			
Adjusting Valve (pcs)		Adjust Pressure Pump (1), Adjust Flow Rate (1)			
Outlet's pipe	Permeate	Male UPVC 1/2"			
	Concentrate	Male UPVC 1/2"			
Flow Meter	Permeate	1.0 – 7.0 LPM (0.2 – 2.0 GPM)		2.0 – 18.0 LPM (0.5 – 5.0 GPM)	
	Concentrate	1.0 – 7.0 LPM (0.2 – 2.0 GPM)		2.0 – 18.0 LPM (0.5 – 5.0 GPM)	
Pressure Gauge (pcs)		Cartridge Filter Out - max 7 bar (1), Outlet Membrane – max 25 bar (1)			
UV Sterilizer (pcs)		15Watt (1)	20Watt (1)	30Watt (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