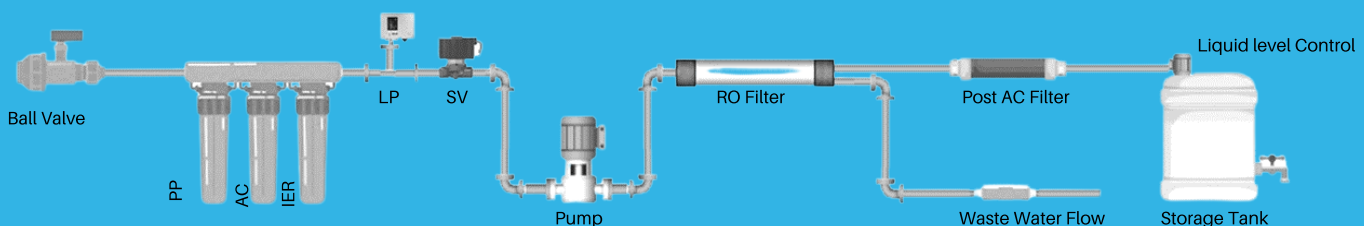


MAKITIS's RO unit and softener pretreatment are the process that is used to remove a wide range of salts, dissolved organics, bacteria, macromolecular organics and particles silt to give water of a high purity. RO Unit must be supplied with softened, de-chlorinated water. A duplex softener is recommended 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.



	MK-RO150F 600LD/100PE	MK-RO150F 1200LD/100PE	MK-RO150F 1800LD/200PE	MK-RO150F 2400LD/200PE
GPD's Capacity (LPD)	150 (600)	300 (1,200)	450 (1,800)	600 (2,400)
Voltage Input / Output	220V / 24V	220V / 24V	220V / 24V	220V / 24V
Frame Material	SS 304	SS 304	SS 304	SS 304
Structure (LxWxH) -cm	52x52x145	52x52x145	62x62x170	62x62x170
PE Storage Tank -liters	100	100	200	200
Pre Treatment Filter (pcs)	Softener unit (PP20"@1 + Activated Carbon20"@1 + Ion Exchange Resin20"@1)			
RO membrane Filter (E)	150GPD (1E)	150GPD (2E)	150GPD (3E)	150GPD (4E)
Diaphragm Pump (set)	150G (1)	150G (2)	150G (1)+300G (1)	300G (2)
Pressure Switch Control (pcs)	Low (1)	Low (1)	Low (1)	Low (1)
Liquid Level Control -pcs	1	1	1	1
Solenoid Valve (pcs)	24V (1)	24V (1)	24V (1)	24V (1)
Inlet Water Connect	3/8" Socket	3/8" Socket	3/8" Socket	3/8" Socket
Outlet Water Connect	1/2" Female	1/2" Female	1/2" Female	1/2" Female
Waste Water Flow	300CC	300CC	500CC	500CC
Consumer Box	Switch OFF/ON & Lighting	Switch OFF/ON & Lighting	Switch OFF/ON & Lighting	Switch OFF/ON & Lighting



Suggested Inlet Water Conditions

Max. Feed Silt Density Index (SDI)	: 5	Inlet water Pressure	: 2-3 Bar
Free Chlorine Tolerance	: < 0.1 ppm	TDS	: < 1000 ppm
Turbidity	: < 1 NTU	Iron	: < 0.05 ppm