

System Specification :

Model No.	: RO/LC - 25;45;90
Make	: Chemtronics [®]
Flow Rate	: 25;45;90 LPH
Purifier Housing	: Powder Coated
Inlet & Outlet Connection	: ½"/¼" BSP
Flow Controller	: Brass SV – 230 Volts
Dry Run Sensor	: Float Type Potential Free
Standby Sensor	: Float Type Potential Free
Flushing	: Auto / Manual
Rota meter	: 0-100 LPH
Inlet Flow	: 200-500 LPH (min)
Inlet Pressure	: 0.5 Kg/cm ² (min)/2.0 Kg/cm ² (max)
Mounting	: Floor/Wall
Indicator	: Power/UV/Standby
Service Indicator	: Non Resettable Hour meter
Line Voltage	: 230 V ac; I Phase; 50 Hz

Feed Water Limiting Condition :

TSS	: ≤ 10 ppm
TDS	: ≤ 80 - 1000 ppm (max)
Silica	: ≤ 5.0 ppm
Iron	: < 0.1 ppm
SDI	: ≤ 3
Free Chlorine	: ≤ 0.2 ppm

Outlet Water Quality :

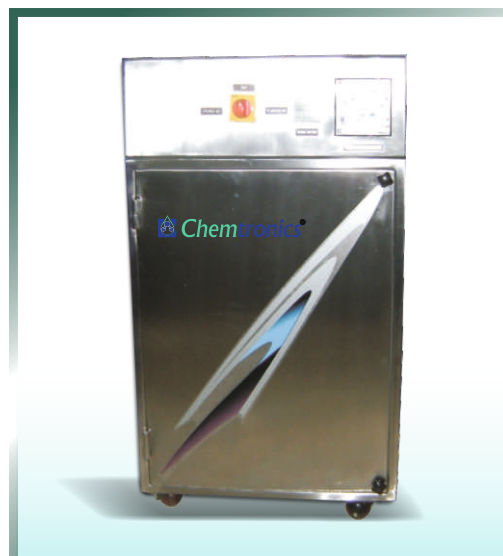
TSS	: ≤ 1.0 ppm
TDS	: 10 - 100 ppm
Silica	: ≤ 1.0 ppm
Iron	: Nil
SDI	: ≤ 1
Free Chlorine	: Nil

Optional Accessories :

- Feed Water Booster Pump
- Pressure Reducing Valve
- SS 304/316 Purified Water Storage Tank - 250 to 2,000 Liters.



Powder Coated Cabinet



Stainless Steel 304 Cabinet



Stainless Steel Storage Tank

5 Stage Reverse Osmosis Water Purification System Specification

Model No.	RO/LC-25	RO/LC-45	RO/LC-90
Flow Rate	22-25 LPH	40-45 LPH	85-90 LPH
Stage – I		Coarse Cartridge Filtration	
Cartridge Type	Spun/Wound	Spun/Wound	Spun/Wound
Cartridge Size	2.5"(Dia)x10"(Ht)	2.5"(Dia)x10"(Ht)	2.5"(Dia)x20"(Ht)
Micron Rating	5.0 Micron	5.0 Micron	5.0 Micron
Stage – II		Carbon Filter	
Carbon Type	Granular/Block	Granular/Block	Granular/Block
Carbon Block Size	2.5"(Dia)x10"(Ht)	2.5"(Dia)x10"(Ht)	2.5"(Dia)x20"(Ht)
Stage – III		Fine Cartridge Filtration	
Cartridge Type	Spun	Spun	Spun
Cartridge Size	2.5"(Dia)x10"(Ht)	2.5"(Dia)x10"(Ht)	2.5"(Dia)x20"(Ht)
Micron Rating	1.0 Micron	1.0 Micron	1.0 Micron
Stage – IV		Membrane Filtration	
Membrane Filtration	Reverse Osmosis	Reverse Osmosis	Reverse Osmosis
Pore Size	0.0001 micron	0.0001 micron	0.0001 micron
Nos. of Membrane	75/100 GPD X 02 Nos.	75/100 GPD X 03 Nos.	75/100 GPD X 04 Nos.
Stage – V		Disinfection	
Disinfection Type	Ultra Violet	Ultra Violet	Ultra Violet
UV Dosage	30-40 mWS/cm ²	30-40 mWS/cm ²	30-40 mWS/cm ²
Internal Housing	Electro Polished	Electro Polished	Electro Polished
Lamp Isolation	High Purity Quartz	High Purity Quartz	High Purity Quartz
Net Weight (Kg)	40	50	65
Dimension (mm)	600x600x400	800x600x400	800x600x400
Power (W)	80	135	150