

Ultra Violet Water Purification System

UV/LC – Series

System Specification :

Model No.	:	UV/LC – 100; 200; 300; 500
Make	:	Chemtronics [®]
Flow Rate	:	100; 200; 300; 500 (LPH)
Purifier Housing	:	SS 304 / Powder coated
Inlet & Outlet Connection	:	¼" / ½" BSP
Flow Controller	:	Brass SV – 230 Volts
Dry Run Sensor	:	Float Type Potential Free
Standby Sensor	:	Float Type Potential Free
Rota meter	:	0 – 500 / 0 – 1,200 LPH
Inlet Flow	:	200; 300; 500; 800 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; 1 Phase; 50 Hz

Feed Water Limiting Condition :

TSS	:	≤ 20 ppm
TDS	:	≤ 200 ppm
Hardness	:	≤ 70 ppm
Free Chlorine	:	≤ 0.2 ppm
CFU	:	10 ⁵ per 100

Outlet Water Quality :

TSS	:	≤ 1 ppm
TDS	:	200 ppm
Hardness	:	≤ 70 ppm
Free Chlorine	:	Nil
CFU	:	Nil

Optional Accessories :

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



Powder Coated Cabinet



Stainless Steel 304 Cabinet



Stainless Steel Storage Tank

4 Stage UV Water Purification System Specification

Model No.	UV/LC-100	UV/LC-200	UV/LC-300	UV/LC-500
Flow Rate	100 LPH	200 LPH	300 LPH	500 LPH
Stage – I	Coarse Cartridge Filtration			
Cartridge Type	Spun / Wound	Spun / Wound	Spun / Wound	Spun / Wound
Cartridge Size	2.5"(Dia)x10"(Ht)	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	5.0 Micron
Stage – II	Carbon Filter			
Carbon Type	Granular/Block	Granular/Block	Granular/Block	Granular/Block
Cartridge Size	2.5"(Dia)x10"(Ht)	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	Spun
Cartridge Size	2.5"(Dia)x10"(Ht)	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	1.0 Micron
Stage – IV	Disinfection			
Disinfection Type	Ultra Violet	Ultra Violet	Ultra Violet	Ultra Violet
UV Dosage	30-40 mWS/cm ²	30-40 mWS/cm ²	30-40 mWS/cm ²	30-40 mWS/cm ²
Internal Housing	Electro Polished	Electro Polished	Electro Polished	Electro Polished
Lamp Isolation	High Purity Quartz	High Purity Quartz	High Purity Quartz	High Purity Quartz
Net Weight (Kg)	40	40	40	50
Dimension (H X W X D)	600 x 600 x 300 mm	600 x 600 x 300 mm	600 x 600 x 300 mm	800 x 600 x 300 mm
Power (W)	15	25	25	30


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