

Water Purification System

UV+UF/LC – Series

System Specification :

Model No.	: UV+UF/LC - 40;80;120;160;200;240
Make	: Chemtronics [®]
Flow Rate	: 40; 80 ; 120 ; 160 ; 200 ; 240 LPH
Purifier Housing	: 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 - 100 / 0 - 500 LPH
Inlet Flow	: 100; 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



Powder Coated Cabinet

Feed Water Limiting Condition :

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

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 / SS 316 Purified Water Storage Tank - 250 to 2,000 Liters.



Stainless Steel Storage Tank

5 Stage UV + UF Water Purification System Specification

Model No.	UV+UF/LC-40	UV+UF/LC-80	UV+UF/LC-120	UV+UF/LC-160	UV+UF/LC-200	UV+UF/LC-240
Flow Rate	40 LPH	80 LPH	120 LPH	160 LPH	200 LPH	240 LPH
Stage – I	Coarse Cartridge Filtration					
Cartridge Type	Spun/Wound	Spun/Wound	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)x10"(Ht)	2.5"(Dia)x20"(Ht)	2.5"(Dia)x20"(Ht)
Micron Rating	5.0 Micron	5.0 Micron	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	Granular/Block	Granular/Block
Cartridge Size	2.5"(Dia)x10"(Ht)	2.5"(Dia)x10"(Ht)	2.5"(Dia)x10"(Ht)	2.5"(Dia)x10"(Ht)	2.5"(Dia)x20"(Ht)	2.5"(Dia)x20"(Ht)
Stage – III	Fine Cartridge Filtration					
Cartridge Type	Spun	Spun	Spun	Spun	Spun	Spun
Cartridge Size	2.5"(Dia)x10"(Ht)	2.5"(Dia)x10"(Ht)	2.5"(Dia)x10"(Ht)	2.5"(Dia)x10"(Ht)	2.5"(Dia)x20"(Ht)	2.5"(Dia)x20"(Ht)
Micron Rating	1.0 Micron	1.0 Micron	1.0 Micron	1.0 Micron	1.0 Micron	1.0 Micron
Stage – IV	Ultra Filtration					
Membrane Filtration	Ultra Filtration	Ultra Filtration	Ultra Filtration	Ultra Filtration	Ultra Filtration	Ultra Filtration
Pore Size	0.01 - 0.1 micron	0.01 - 0.1 micron	0.01 - 0.1 micron	0.01 - 0.1 micron	0.01 - 0.1 micron	0.01 - 0.1 micron
Molecular Cut-off-Wt	120 Kilo Dalton	120 Kilo Dalton	120 Kilo Dalton	120 Kilo Dalton	120 Kilo Dalton	120 Kilo Dalton
Membrane Flux	100 l/m2/hr (LMH)	100 l/m2/hr (LMH)	100 l/m2/hr (LMH)	100 l/m2/hr (LMH)	100 l/m2/hr (LMH)	100 l/m2/hr (LMH)
Membrane Flow	40 LPH X 01	40 LPH X 02	40 LPH X 03	40 LPH X 04	40 LPH X 05	40 LPH X 06
Stage – V	Disinfection					
Disinfection Type	Ultra Violet	Ultra Violet	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	30-40 mWS/cm ²	30-40 mWS/cm ²
Internal Housing	Electro Polished	Electro Polished	Electro Polished	Electro Polished	Electro Polished	Electro Polished
Lamp Isolation	High Purity Quartz	High Purity Quartz	High Purity Quartz	High Purity Quartz	High Purity Quartz	High Purity Quartz
Net Weight (Kg)	45	45	45	45	65	65
Dimension mm (HxWxD)	600 x 600 x 400	600 x 600 x 400	600 x 600 x 400	600 x 600 x 400	800 x 600 x 400	800 x 600 x 400
Power (W)	15	15	15	15	15	15

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