

Automation Based WTP Specification :

Model No.	:	WTP+UV/FR - 500;1000;2000;4000; 5000;10000;12000;15000
Make	:	Chemtronics®
Flow Rate	:	500;1,000;2,000;4,000;5,000; 10,000;12,000;15,000 LPH
Vessels MOC	:	FRP with PP lining
Plant Skid	:	Powder Coated (Only for 500; 1,000; 2,000 lph)
Valve	:	Multifunctional multiport Valve
Frontal & inter connection Piping	:	U-PVC as per flow rate
Dry Run Protection Sensor	:	Float Type Potential Free
Standby Mode Sensor	:	Float Type Potential Free
Flow Indicator	:	Rota Meter
Test Pressure	:	5.0 kg/cm ² (max)
Operating Pressure	:	3.0 kg/cm ² (max)
Inlet Pressure	:	0.5 Kg/cm ² (min)/2.0 Kg/cm ² (max)
Mounting	:	Floor
Indicator	:	Power/UV/Standby
Service/Maintenance Indicator	:	Non Resettable Hour meter
Feed Water Pump	:	SS Horizontal Centrifugal
Power Line	:	230 V AC; 50 Hz



Water Treatment With Disinfection Plant

Feed Water Limiting Condition :

TSS	:	< 30 ppm
TDS	:	< 400 ppm
Hardness	:	< 150 ppm
Free Chlorine	:	< 0.5 ppm
Total Bacterial Count	:	< 100 CFU



Automatic/Mannual Multiport Valve

Outlet Water Quality :

TSS	:	< 5.0 ppm
TDS	:	< 400 ppm
Hardness	:	< 150 ppm
Free Chlorine	:	Nill
CFU	:	Nill

Optional Accessories :

- Auto-multiport valve
- SS 304/316 Purified Water Storage Tank – 250 to 15,000 Litres



Stainless Steel Storage Tank

Water Treatment Plant Specification

Model No.	WTP+UV/FR - 500	WTP+UV/FR - 1000	WTP+UV/FR - 2000	WTP+UV/FR - 4000	WTP+UV/FR - 5000	WTP+UV/FR - 10000	WTP+UV/FR - 12000	WTP+UV/FR - 15000
Flow Rate	500 LPH	1,000 LPH	2,000 LPH	4,000 LPH	5,000 LPH	10,000 LPH	12,000 LPH	15,000 LPH
Stage – I	Pressure Sand Filtration							
Filter Size (Dia)X(Ht)	10" x 54"	10" x 65"	21" x 62"	24" x 72"	30" x 72"	42" x 72"	48" x 72"	48" x 72"
Filtration Media	Multigrade Sand	Multigrade Sand	Multigrade Sand	Multigrade Sand	Multigrade Sand	Multigrade Sand	Multigrade Sand	Multigrade Sand
Filtration Media Qty	50 Kg	120 Kg	250 Kg	360 Kg	566 Kg	1,046 Kg	1,340 Kg	1,340 Kg
Multiport Valve	20 NB ; 0.75 Inch	20 NB ; 0.75 Inch	40 NB;1.5 Inch	40 NB;1.5 Inch	40 NB;1.5 Inch	40 NB;1.5 Inch	40 NB;1.5 Inch	50 NB;2 Inch
Stage – II	Activated Carbon Filtration							
Filter Size (Dia)X(Ht)	10" x 54"	10" x 65"	21" x 62"	24" x 72"	30" x 72"	42" x 72"	48" x 72"	48" x 72"
Filtration Media	Activated Carbon	Activated Carbon	Activated Carbon	Activated Carbon	Activated Carbon	Activated Carbon	Activated Carbon	Activated Carbon
Activated Carbon Qty	10 Kg	45 Kg	95 Kg	135 Kg	300 Kg	400 Kg	500 Kg	500 Kg
Multiport Valve	20 NB ; 0.75 Inch	20 NB ; 0.75 Inch	40 NB;1.5 Inch	40 NB;1.5 Inch	40 NB;1.5 Inch	40 NB;1.5 Inch	40 NB;1.5 Inch	50 NB;2 Inch
Stage – III	Micron Cartridge Filtration							
Cartridge Type)	Spun	Spun	Spun	Spun	Spun	Spun	Spun	Spun
Cartridge Size(Dia)X(Ht)	2.5"x10"	2.5"x20"	2.5"x20"	4.0"x20"	4.0"x20"	4.0"x20"	4.0"x20"	4.0"x20"
Micron Rating	5 Micron	5 Micron	5 Micron	5 Micron	5 Micron	5 Micron	5 Micron	5 Micron
Cartridge Qty	1	1	1	1	1	2	2	3
Stage – IV	Disinfection							
Disinfection Type	Ultra Violet	Ultra Violet	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	30-40 mWS/cm ²	30-40 mWS/cm ²
Internal Housing	Electro Polished	Electro Polished	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	High Purity Quartz	High Purity Quartz
Net Weight (Kg)	100	200	425	600	1,000	1,800	2,200	2,300
Dimension (LxWxH) (m)	2.0 x 1.0 x 2.0	2.0 x 1.0 x 2.5	2.5 x 1.5 x 3.0	3.0 x 1.5 x 3.0	4.0 x 2.0 x 3.0	4.0 x 2.0 x 3.0	5.0 x 2.5 x 3.0	5.0 x 2.5 x 3.0