

Automation Based WTP Specification :

Model No.	:	WTP/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
Service/Maintenance Indicator	:	Non Resettable Hour meter
Feed Water Pump	:	SS Horizontal Centrifugal
Power Line	:	230 V AC; 50 Hz



Water Treatment Plant

Feed Water Limiting Condition :

TSS	:	< 30 ppm
TDS	:	< 650 ppm
Hardness	:	< 250 ppm
Free Chlorine	:	< 0.5 ppm



Automatic Multiport Valve

Outlet Water Quality :

TSS	:	< 5.0 ppm
TDS	:	< 400 ppm
Hardness	:	< 5 ppm
Free Chlorine	:	Nill

Optional Accessories :

- Auto-multiport valve



Multiport Valve

Water Treatment Plant - SCW Series Specification

Model No.	WTP/FR - 500	WTP/FR - 1000	WTP/FR - 2000	WTP/FR - 4000	WTP/FR - 5000	WTP/FR - 10000	WTP/FR - 12000	WTP/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;12 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	Water Softening							
Vessel Size (Dia)X(Ht)	8" X 35"	10" X 54"	13" X 54"	18" X 65"	21" X 62"	30" X 72"	30" X 72"	36" X 72"
Media	Cation Resin	Cation Resin	Cation Resin	Cation Resin	Cation Resin	Cation Resin	Cation Resin	Cation Resin
Cation Resin Media Qty	25 Liters	50 Liters	100 Liters	200 Liters	250 Liters	500 Liters	600 Liters	750 Liters
OBR (m³)	5	10	20	40	50	100	120	150
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;12 Inch
Regeneration Tank	30 Liters	50 Liters	100 Liters	150 Liters	250 Liters	500 Liters	500 Liters	800 Liters
Agitator motor Capacity	NA	NA	NA	NA	1.0 HP	1.0 HP	1.0 HP	1.0 HP
Net Weight (Kg)	120	265	550	830	1,300	2,200	2,585	2,850
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