

# Type III Water Purification System

TY/III – Series

## System Specification :

Model No.	:	TY/III - 10;20;40
Make	:	Chemtronics <sup>®</sup>
Flow Rate	:	10;20;40 LPH
Housing	:	Stainless Steel; SS-304
Inlet & Outlet Connection	:	½" BSP
Flow Controller	:	PP SV – 36 Volts / Brass SV-230 Volts
Dry Run Sensor*	:	Float Type Potential Free
Standby Sensor	:	Float Type Potential Free
Rota meter	:	0 - 100 LPH
Inlet Flow	:	150;300;600 LPH (min)
Inlet Pressure	:	0.5 Kg/cm <sup>2</sup> (min) 2.0 Kg/cm <sup>2</sup> (max)
Mounting	:	Floor / Wall
Indicator	:	Power / UV / Standby
Service Indicator	:	Non Resettable Hour meter
Pressure Boosting Tank*	:	10 Liters
Conductivity / TDS Meter	:	Digital Display
Line Voltage	:	230 V ac; 1 phase; 50 Hz



Stainless Steel 304 Cabinet

## Feed Water Limiting Condition :

TSS	:	≤ 10 ppm
TDS	:	≤ 100 ppm
Hardness	:	≤ 70 ppm
Free Chlorine	:	≤ 0.1 ppm
CFU	:	≤ 100 CFU/ml
Conductivity	:	≤ 80 μS/cm
TOC	:	≤ 80 ppb
Colloids	:	≤ 1000 ppb

## Outlet Water Quality :

TSS	:	≤ 1 ppm
TDS	:	≤ 10 ppm
Hardness	:	≤ 5 ppm
Free Chlorine	:	Nil
CFU	:	≤ 1000 CFU/ml
Conductivity	:	≤ 20 μS/cm
TOC	:	≤ 200 ppb
Colloids	:	N. A.

## Optional Accessories :

- Feed Water Booster Pump
- Pressure Reducing Valve

\*In select models only

## 5 Stage Type III Pure Water System Specification

Model No.	TY/IIl-10	TY/IIl-20	TY/IIl-40
Flow Rate	8-10 LPH	15-20 LPH	35-40 LPH
<b>Stage – I</b>	<b>Coarse Cartridge Filtration</b>		
Cartridge Type	Spun	Spun	Spun
Cartridge Size	2.5"(Dia) x 10"(Ht)	2.5"(Dia) x 10"(Ht)	2.5"(Dia) x 10"(Ht)
Micron Rating	5.0 Micron	5.0 Micron	5.0 Micron
<b>Stage – II</b>	<b>Carbon Filter</b>		
Carbon Type	Granular/Block	Granular/Block	Granular/Block
Cartridge Size	2.5"(Dia) x 10"(Ht)	2.5"(Dia) x 10"(Ht)	2.5"(Dia) x 10"(Ht)
<b>Stage – III</b>	<b>Fine Cartridge Filtration</b>		
Cartridge Type	Spun	Spun	Spun
Cartridge Size	2.5"(Dia) x 10"(Ht)	2.5"(Dia) x 10"(Ht)	2.5"(Dia) x 10"(Ht)
Micron Rating	1.0 Micron	1.0 Micron	1.0 Micron
<b>Stage – IV</b>	<b>RO Membrane Filtration</b>		
RO Membrane Type	High Rejection	High Rejection	High Rejection
Membrane Flow	75 GPD x 01 No.	75 GPD x 02 Nos.	75 GPD x 04 Nos.
<b>Stage –V</b>	<b>Disinfection &amp; TOC Reduction</b>		
Disinfection Type	Ultra Violet	Ultra Violet	Ultra Violet
UV Dosage	30-40 mWS/cm <sup>2</sup>	30-40 mWS/cm <sup>2</sup>	30-40 mWS/cm <sup>2</sup>
Internal Housing	Electro Polished	Electro Polished	Electro Polished
Lamp Isolation	High Purity Quartz	High Purity Quartz	High Purity Quartz