

### System Specification :

Model No.	:	Dy/RO -40;80
Make	:	Chemtronics <sup>®</sup>
Flow Rate	:	40;80 LPH
Housing	:	Stainless Steel; SS-304
Inlet & Outlet Connection	:	½" / ¼" 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 - 200 LPH
Inlet Flow	:	100 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

### 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	:	≤ 20 ppm
Hardness	:	Nil
Free Chlorine	:	Nil
CFU	:	≤ 1 CFU/ml
Conductivity	:	≤ 30 µS/cm
TOC	:	≤ 50 ppb
Colloids	:	≤ 100 ppb

### Optional Accessories :

- Feed Water Booster Pump - 01 No.
- Pressure Reducing Valve - 01 No.



Stainless Steel Cabinet

## 6 Stage Dialysis RO Water Purification System Specification :

Model No.	DY/RO-40	DY/RO-80
Flow Rate	35-40 LPH	75-80 LPH
<b>Stage – I</b>	<b>Coarse Cartridge Filtration</b>	
Cartridge Type	Spun	Spun
Cartridge Size	2.5"(Dia) x 10"(Ht)	2.5"(Dia) x 20"(Ht)
Micron Rating	5.0 Micron	5.0 Micron
<b>Stage – II</b>	<b>Carbon Filter</b>	
Carbon Type	Granular/Block	Granular/Block
Cartridge Size	2.5"(Dia) x 10"(Ht)	2.5"(Dia) x 20"(Ht)
<b>Stage – III</b>	<b>Fine Cartridge Filtration</b>	
Cartridge Type	Spun	Spun
Cartridge Size	2.5"(Dia) x 10"(Ht)	2.5"(Dia) x 20"(Ht)
Micron Rating	1.0 Micron	1.0 Micron
<b>Stage – IV</b>	<b>Reverse Osmosis</b>	
Type of Membrane	High Rejection Membrane	High Rejection Membrane
Membrane Rating	0.0001 micron	0.0001 micron
Membrane Flow	75 GPD x 04 Nos.	75 GPD x 08 Nos.
Salt Regeneration	90- 92%	90- 92%
<b>Stage –V</b>	<b>Disinfection &amp; TOC Reduction</b>	
Disinfection Type	Ultra Violet	Ultra Violet
UV Dosage	30-40 mWS/cm <sup>2</sup>	30-40 mWS/cm <sup>2</sup>
Internal Housing	Electro Polished	Electro Polished
Lamp Isolation	High Purity Quartz	High Purity Quartz
<b>Stage –VI</b>	<b>UF Membrane Filtration</b>	
UF Membrane Type	Hollow Fiber	Hollow Fiber
Membrane Flow	40 LPH x 01 No.	40 LPH x 02 Nos.
Net Weight (Kg)	40	65
Dimension (mm)	1000x550x450	1200x550x600
Power (W)	150	225



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