

# Food And Beverages

## WATER PURIFICATION SYSTEM

### Water Softener



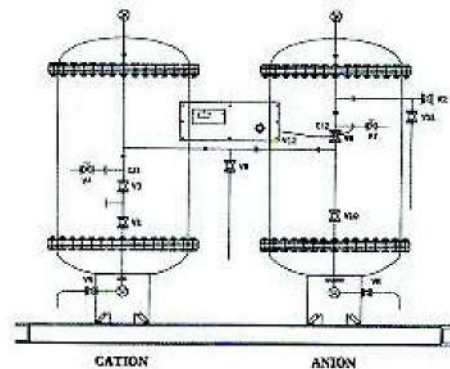
#### SALIENT FEATURES:

- Resins with high resistance to mechanical shock, longer life, high exchange capacity and low consumption of salt.
- The closely controlled resin bead size minimizes pressure loss.
- User-friendly, low maintenance & easy to install.
- Variety of cost effective standard models.
- Improved aesthetics & rugged design.
- Simpler distribution & collection systems.
- Easily upgradable for higher output.
- Easy operation & maintenance.
- Quick availability.

### D. M. Water Plant

#### SALIENT FEATURES:

- Variety of cost effective standard models.
- Advanced selection software for optimal configuration.
- Improved aesthetics and rugged design.
- User-friendly, low maintenance and easy to install.
- Versatility in applications.
- Simpler distribution and collection systems.
- Pre despatch assembly check.
- Quick availability.



Model	Capacity (cu.m/hr)	Unique Features
LPT - FRP	0.1 - 14	FRP / GRP range available up to 42" diameter
LPT-S	3.5 - 14	DM range in MSRL construction with single valve operation
LPT-R	0.3 - 50	Rugged packed bed DM in up-flow operation
LPT-F	3.5 - 70	DM range with flexibility in resin volumes

### Reverse Osmosis Water Plant

#### SALIENT FEATURES:

- Compact and modular design.
- Capacity can be increased to suit requirements.
- Easy installation, operation and servicing.
- High level of plant automation.
- Visual monitoring system (VMS) for ease of trouble-shooting.
- Stainless steel multistage centrifugal pump; inline suction and delivery allows easy maintenance and access.
- Online product water quality monitoring.
- Membrane and pump protection features.
- Minimum pipe length to reduce system resistance.
- Easy servicing with tri-clover coupling.
- Material of construction: PVC/SS-304/316.
- Plc based control panel (optional).





## Ultraviolet Sterilizer

### SALIENT FEATURES:

- Use Of Highest Purity Quartz Tubing.
- Consistent dose, delivers.
- Electro polished stainless steel 316 reactor.
- 9000 hour guaranteed lamp life.

ULTRAVIOLET ENERGY at 2537 Angstrom units wave length required for 99.9% destruction of various microorganisms (UV energy in microwatt- sec / cm<sup>2</sup>)

Bacteria		Virus	
Bacillus anthracis	8700	Bacteriophage (E.Coli)	6600
Eberthella typosa	4100	Tobacco Mosaic	440000
Escherichia Coli	7000	Influenza	6600
Micobacterium Tuberculosis	10000	Hepatitis Virus	8000
Neisseria Catarrhalis	8500	Polio Myelitis	21000
Pseudomonas Aeruginosa	3900	<b>Protozoa</b>	
S.Typhimurium	15200	Parmecium	200000
Salmonella	10000	Nematode Eggs	92000
Dysentery Bacilli	4200	<b>Yeast</b>	
Sraphylococcus Aureus	7000	Saccharomyces Elliposideu	13200
Streptococcus Hemolyticus	5500	Brewers' Yeast	6600
Streptococcus Viridans	3800	Bakers' Yeast	8800
<b>Algae</b>			
Chlorella Vulgaris	22000		

Model No.	Flow Rate (Lit/hr)	Max Flow Rate (Distilled/RO Water)	No. of UV Lamps	Power Consumption (Watt)	Treatment Housing Material	Inlet Outlet Size	UV Dosage mw-sec/cm <sup>2</sup>	Lamps Life (hrs)
UV STD**	75	120	1	14	PP	6mm	16000	5000
UVL-A	1200	2200	1	70	ss-304/316	25mm	35000	9000
UVL-2B	2500	4000	2	140	ss 304/316	25mm	35000	9000
UVL-C	3500	6500	3	190	ss 304/316	40mm	35000	9000
UVL-D	5000	8500	4	260	ss 304/316	50mm	35000	9000
UVL-E	6000	10000	5	320	ss 304/316	80mm	35000	9000
UVL-F	8500	15000	7	440	ss 304/316	80mm	35000	9000
UVL-G	10000	18000	9	560	ss 304/316	100mm	35000	9000

\*\* UV STD comes with 5 micron filter with A. Carbon in a P.P. House.

Maximum Working Pressure : 3.5 gk/cm<sup>2</sup>

Pressure Loss at Average Flow : 3 psig

Temp Range : 5 0 C – 80 0 C

Supply Voltage : 220-240 V, 50 Hz

Input Water Requirement : Free From Particulate Matter



# MINERAL WATER/JUICE FILLING MACHINE

## Automatic rinsing-filling-capping machine



### SALIENT FEATURES:

- Rotary neck holding.
- Air Blow Conveyor on the in feed.
- Slate Belt Conveyor on the out feed with the VFD and Inspection Table with lighting system & white-black background.
- No Bottle - No Rinse - No Fill - No Cap.
- Unique Pick & Place type Capping.
- Drive is on chain of gears (Not Indexing Cam) hence low on maintenance.
- VFD control.
- Cap Elevator for feeding cap to the chute with automatic operation.
- Speed indicator on main panel.
- Can handle all bottle size ranging from 200 up to 2000 ml.
- Capping done by "Torque Adjustable" magnetic capping heads using two stage Pick & Place system.
- SS enclosure provided for complete hygienic bottling.
- Easy open able nozzles for easy cleaning.
- Can handle bottles blown from low grammage Performs without distortion.
- Can be linked directly to Automatic Blow Moulding Machine for online Blow- Rinse-Fill-Seal Compatible with Online Shrink Tunnel, Labelling Machine or Ink Jet Printer.
- Simple operation.
- All contacts parts made of 304/316.
- PLC control panel (optional).

Model	LPTRFC-60	LPTRFC-100	LPTRFC-150	LPTRFC-200	LPTRFC-300
No. of Heads	16-12-6	18-18-6	24-24-8	32-32-10	40-40-12
Capacity @ 1000 ml.	2700 BPH	4100 BPH	5400 BPH	7200 BPH	9000 BPH
Water Pressure	0.2~0.25 Mpa	0.2~0.25 Mpa	0.2~0.25 Mpa	0.2~0.25 Mpa	0.2~0.25 Mpa
Rinsing Water Consumption	800 Kg/hr.	1600 Kg/hr.	2500 Kg/hr.	3500 Kg/hr.	4000 Kg/hr.
Compress Air Pressure	6 to 8 Bar	6 to 8 Bar	6 to 8 Bar	6 to 8 Bar	6 to 8 Bar
Compressed Air Consumption	0.25 m3/min	0.3 m3/min	0.4 m3/min	0.5 m3/min	0.55 m3/min
Power Consumption	4.23 KW	5.03 KW	6.57 KW	8.63 KW	9.63 KW
Weight	2500 Kgs.	3500 Kgs.	5500 Kgs.	8000 Kgs.	10000 Kgs.
Bottle size range	200 to 2000 ml.	200 to 2000 ml.	200 to 2000 ml.	200 to 2000 ml.	200 to 2000 ml.

Container Size	Bottle Size	Diameter 50 mm to 100 mm Respectively height 150 mm to 320 mm
	Caps Type	Plastic Screw Caps (Flat Caps & Sports Caps)