

# ULTRAPURE Commercial RO Systems

## LRO Series

- Complete standalone, plug-and-play system
- Purifies brackish or contaminated water from bore holes, wells & rivers into clean and safe drinking water (maximum TDS up to 3000 ppm )



### Standard Features

- 20" Big Blue prefilter x 2
- Stainless steel 304 housing with ultra low pressure RO membrane
- High pressure multi-stage centrifugal pump
- Product flow meter
- Reject flow meter
- Feed and product water TDS monitor
- Pressure gauges
- Steel stand
- Input feed water cut-off solenoid valve (optional)
- Variable Frequency Drive controller (optional)
- Auto high-low pressure cut-off switch (optional)
- Pressurized storage tank (optional)

### Reduces:

- ✓ Suspended solids
- ✓ Dissolved heavy metals
- ✓ Dissolved Chemical
- ✓ Salts
- ✓ Arsenic
- ✓ Ionic impurities
- ✓ Organic impurities

### Application

- Whole house
- Restaurants/ Fast Food/ Cafes
- Factories
- Hotels/ Resorts/ Lodging houses
- Aquaculture
- Fish farm
- Boiler feed water
- Emergency/disaster relief efforts
- Rural villages/ schools/ orphanage/ mosque / church/ temples

### Specification

Membrane Size	4" x 40"
Average membrane rejection	95%
Feed Water Connection	1/2" NPT
Prefilter	20" Big Blue x 2
Product Water Connection	1/2" tubing OD
Reject Water Connection	1/2" tubing OD
Feed Water Pressure (min.)	1 bar
Electrical requirements	230 VAC single phase

### Models

	LRO5	LRO10	LRO15	LRO20
Maximum Productivity	5 m <sup>3</sup> /day	10 m <sup>3</sup> /day	15 m <sup>3</sup> /day	20 m <sup>3</sup> /day
Recovery (user adjustable)	15-75%	25-75%	32-75%	35-75%
Number of membranes	1	2	3	4
Feed Water Required (maximum)	38 lpm	45 lpm	52 lpm	52 lpm
Drain Required (maximum)	38 lpm	45 lpm	52 lpm	52 lpm
Motor Horse Power	1	1	1-1/2	1-1/2
Dimensions, approximate (L x D x H cm)	52 x 64 x 140	52 x 64 x 140	52 x 80 x 140	52 x 80 x 140
Shipping Weight, estimated (kg)	72	80	88	96

Note: Performance specifications are based on 20°C feed water, SDI<5, 1000 ppm TDS, and pH 7. Individual membrane productivity may vary (+/- 15%). May be operated on other feed waters with reduced capacity. Percent Rejection is based on membrane manufacturer's specifications; overall system percent rejection may be less.



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