

# ULTRAPURE Commercial RO Systems

## LRO series

- Ultra Low Pressure Reverse Osmosis Systems for capacities up to 50 m<sup>3</sup>/day
- 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)
- Auto high-low pressure cut-off with storage tank option

**From S\$7,800+**  
excl. GST



### Standard Features

- 20" Big Blue prefilter x 2
- Prefilter pressure gauge
- Multistage centrifugal pump
- Product flow meter
- Reject flow meter
- FRP pressure vessel
- Liquid filled pressure gauge
- Feed water and product water TDS monitor
- Input feed water cut-off solenoid valve
- Variable Frequency Drive controller
- 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

### Applications

- 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 / temples

### Specification

Membrane Size	8" x 40"
Average membrane rejection	95%
Feed Water Connection	1" NPT
Prefilter	20" Big Blue x 2
Product Water Connection	3/4" NPT
Reject Water Connection	1/2" NPT
Feed Water Pressure (min.)	1 bar
Electrical requirements	110 / 230 VAC single phase

### Models

	LRO25	LRO50
Maximum Productivity	25 m <sup>3</sup> /day	50 m <sup>3</sup> /day
Recovery (user adjustable)	50-85%	50-85%
Number of membranes	1	2
Feed Water Required (maximum)	25 lpm	50 lpm
Drain Required (maximum)	25 lpm	30 lpm
Motor Horse Power	2	2
Dimensions, approximate (L x D x H cm)	52 x 65 x 165	52 x 90 x 165
Shipping Weight, estimated (kg)	120	150

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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