

# ULTRAPURE Commercial RO Systems

## LRO Series

- Ultra Low Pressure Reverse Osmosis Systems for capacities up to 24 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\$4,200\***  
excl. GST



### Standard Features

- 20" Big Blue prefilter x 2
- Prefilter pressure gauge
- Multistage centrifugal pump
- Product flow meter
- Reject flow meter
- Stainless steel pressure vessel(s)
- 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              | 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    | 110 / 230 VAC single phase |

### Models

|  | LRO7                  | LRO14                  | LRO20                  | LRO24                  |
|--|-----------------------|------------------------|------------------------|------------------------|
| Maximum Productivity                   | 7 m <sup>3</sup> /day | 14 m <sup>3</sup> /day | 20 m <sup>3</sup> /day | 24 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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