

Low Pressure Reverse Osmosis Systems



LRO20



LRO120



LRO40



LRO1500

Reduces

- ✓ Dissolved heavy metals
- ✓ Dissolved chemicals
- ✓ Salts
- ✓ Arsenic
- ✓ Ionic impurities
- ✓ Organic impurities

Application

- ✓ Factories
- ✓ Aquaculture
- ✓ Food outlets
- ✓ Emergency/disaster relief efforts
- ✓ Rural communities

Standard features

- ✓ Low Pressure RO membranes skid mounted
- ✓ Ultrafiltration (U850) PAN membranes skid mounted
- ✓ Microfiltration cartridges
- ✓ Feed & High Pressure Pumps
- ✓ Pressure Gauges, Flow Meters & Manual Valves
- ✓ PVC and/or S/S Piping
- ✓ Control Panel(s)
- ✓ Permeate TDS Meter

RO membrane Configuration	Spiral-wound, FRP wrapping
Type & Material	Thin Film Composite (TFC); Polyamide (PA)
Recovery	65-85%
Operating temperature	< 40°C
Operating pressure	< 10 bar
pH range	5 - 9 (operating); 2 – 12 (CIP)

System Models	LRO20	LRO40	LRO120	LRO1500
Electrical Power (system only)	230V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz
Weight (kg)	220	350	550	5000
Length (m)	1.5	1.9	2.8	7.0
Width (m)	0.6	0.6	0.9	1.8
Height (m)	1.5	1.5	1.5	2.2
Maximum Flowrate (m ³ /day)	20	40	120	1500
Feed water required (m ³ /day)	43.2	86.4	140 – 220	1680 - 2307

UltraPure Private Limited also provides customization of LRO systems based on customer's design requirements.



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