

## Hyperpure L Series RO/DI System

Hyperpure L Series RO/DI is a Bench Top/Wall Mount Reverse Osmosis/ Deionization System best suited for the laboratories and small factories that need very small quantity of deionized water for research, production and rinsing.

L-RD 10 is a self-contained RO/DI system with its own RO system, a 10-liter SS storage tank, one non-regenerable mixed bed ion exchange column and a level control system. The high level switch will turn the RO pump "ON" and "OFF" according to the storage tank water level, while the low level switch control the operation of the DI circulation pump.

The L-RD 10 is capable of circulating 80-100 liter per hour deionized water of over 17 megohm-cm in quality. Maximum DI water production rate is 10 liter per hour.

Puritron has combined many years of RO/DI water system design and field experience with state-of the art technologies to build a unique RO/DI system for those who care about their pure water requirements.



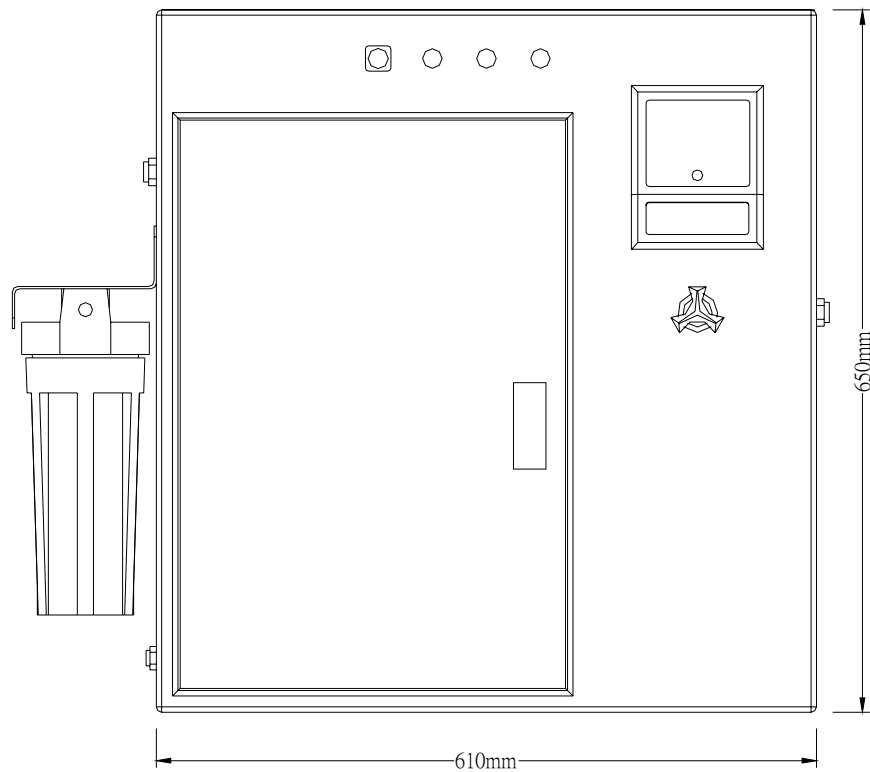
**Lab RO/DI System– L-RD 10**

## Standard Features

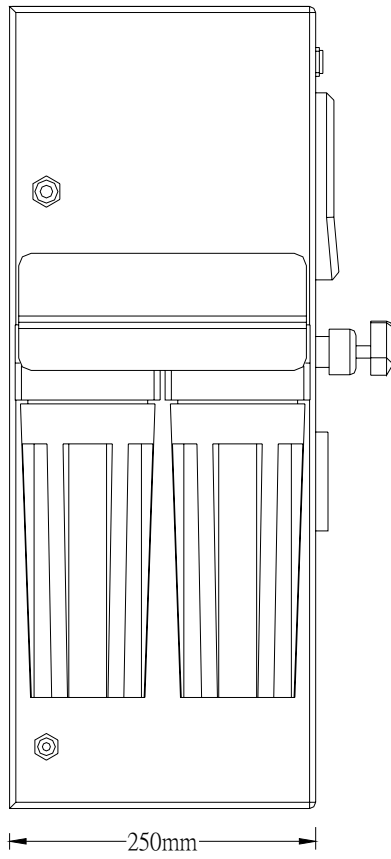
- 5-micron sediment filter and activated carbon filter.
- Feed water shut off valve for automatic control of feed water supply to the RO system.
- Diaphragm pumps for RO and DI water circulation..
- Low feed water pressure shut down for the RO system.
- System can be wall-mounted, sit on bench top or mobile.
- Resistivity meter.
- Level switches for RO storage tank.

## Optional Features

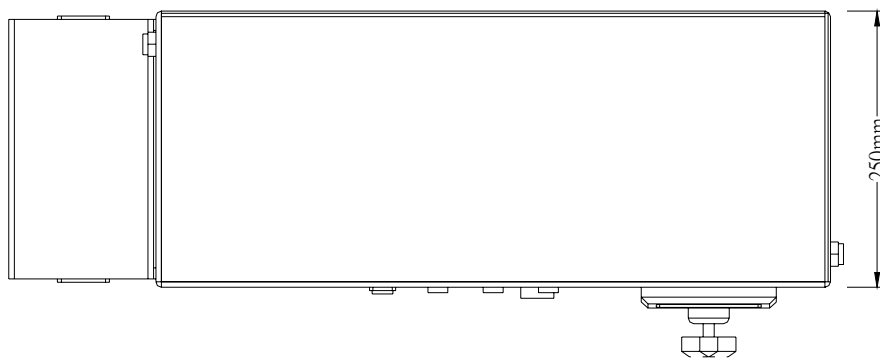
- Stainless steel mobile stand for system to be moved around easily.



**Front View**



**SIDE VIEW**



**PLAN VIEW**

## Specifications

<b>Model</b>	L-RD 10	
<b>Operating Data</b>		
RO Flow Rate:	Raw Water	50 LPH
	Feed rate	50 LPH
	RO reject rate	40 LPH
	RO Permeate	10 LPH
Design temperature:		25 °C
Array configuration:		1
Salt Rejection (Projected):		>97% (Initial)
Recovery:		20 %

### Feed Water Requirements

Feed Pressure	Flow Rate	Free Chlorine	SDI (15)	LSI	Temperature
2-4 bar	50 LPH	<0.1 ppm	<5	Negative	<45

### Electrical Requirements

	Model	Motor	Model No.	
<b>RO Pump</b>	CDP8800	30 W	CDP8800	30 VAC/1PH/50Hz
<b>DI Circulation Pump</b>	CDP8800	30 W	CDP8800	30 VAC/1PH/50Hz

### Key RO Components

	Model	Materials	Dimensions	Pressure Rating	Qty
<b>RO Pressure Vessel</b>	2514	SS 304	2.5" x 14"	20 bar	1
<b>RO Membrane Element</b>	2514	TFC Polyamide	2.5" x 14"	25 bar	1

### Key Deionizer Components

	Model	Materials	Dimensions	Pressure Rating	Qty
<b>DI Resin Column</b>	3518	PVC	3.5" x 18"	10 bar	1
<b>Ion Exchange Resins</b>	NM 60	Mixed cation and anion resins	N/A	N/A	1.7 liter

#### Dimensions

Width, mm	610
Width, mm (with filters)	770
Depth, mm	250
Height, mm	650
Overall Height, mm	670
Weight, kg	45

#### NOTES:

1. Consult Puritron before placing order if feed water pressure is less than 2 bar.
2. Other flow rate available on request.
3. Other voltages available on request.

**Specifications subject to change without prior notice.**