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**Product Name :**  
Reverse Osmosis Training System

**Product Code :**  
LBNY-0006-2180001



#### **Description :**

Reverse Osmosis Training System Educational Equipment Sewage, Reverse Osmosis Training System Equipments, Reverse Osmosis Training System Tools, Reverse Osmosis Training System Tool Kits, Reverse Osmosis Training System Manufacturers, Reverse Osmosis Training System Suppliers from India, China, Kenya

Lab Tender Suppliers Africa and Lab Equipment Africa Kenya, Tunisia, Uganda, Sudan, Algeria, Morocco, Angola, Ghana, Gabon, Lesotho, Zambia, Chad, Somalia, Senegal, Zimbabwe, Guinea, Rwanda, Benin, Burundi, Guinea Bissau, Equatorial Guinea, Mauritius, Eswatini, Djibouti, Reunion, Comoros, Cape Verde, Western Sahara, Tanzania, Togo, Sierra Leone, Libya, Congo, Central African Republic, Liberia, Mozambique, Madagascar, South Africa, Ivory Coast, Cameroon, Niger, Burkina Faso, Mayotte, Sao Tome, Seychelles, South Sudan, Mali, Malawi, Nigeria, Ethiopia, Egypt, DR Congo, Mauritania, Eritrea, Gambia, Botswana, Namibia

#### **Technical Specification :**

The Training System Should cover the following Training Objective:

Familiarization with assembly, cleaning and conservation of membrane modules

Basic principle of reverse osmosis: Van't Hoff's law

Practice of fundamentals of reverse osmosis

Permeate flow rate and retention dependent on: (pressure, salt concentration in raw water and yield)

Determination of diffusion coefficients

Minimum Technical Specifications Required (like or better than):

Polyamide spiral wound membrane module with active area: 1.2 m<sup>2</sup>, maximum raw water flow rate: 1.4 m<sup>3</sup>/h, length: 530mm approximately and diameter: about 60mm

Piston pump with pulsation damper of maximum flow rate: 580 L/h, maximum pressure: 138bar approximately

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and maximum operating pressure: 55bar

PLC control unit

The system should be controlled with PLC via touch screen

Overflow valve to adjust the pressure upstream of the membrane module

Valve to adjust the retentate flow rate

Raw water tank of 110L with stirring machine of power consumption: 125W and speed: 50 to 1000rpm



**Laboratory Instrument India**