

**Product Name :**  
Reverse Osmosis Training System

**Product Code :**  
ENGLABINGCAG590001



**Description :**

Reverse Osmosis Training System

**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 and maximum operating pressure: 55bar

PLC control unit

