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**Product Name :**  
Vertical Separator Demonstrator

**Product Code :**  
LBNY-0005-1910003



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**Description :**

The primary separation operation for crude oil occurs when the crude stream flows through a vessel of sufficient capacity to allow gravity separation of the gas, liquid hydrocarbon and water phases. The three phase separator demonstration apparatus is a small scale vessel that performs continuous separation of a mixture of oil, air and water. The process has manual control valves with rotameters and is intended to demonstrate oilfield separation principles with basic visual manual operation. It is available in horizontal and vertical orientations. This trainer includes a clear horizontal primary separator vessel.

**Function:**

This fluid mixture then flows into a separator vessel fabricated of clear materials. This process trainer blends air, water and refined oil to emulate a crude oil stream. The oil and water are recycled; the air is vented to atmosphere.

**Technical Specification :**

Regenerative air blower  
Oil and water storage tanks  
Vertical uses simplex weir,  
300 x 600 mm separator  
Two centrifugal pumps for water and oil  
Available in all world voltages frequencies.  
Complete unit mounted on a utility size cart for ease of movement and storage  
Overall dimensions 80 x 60 x 120 cm high.



**Laboratory Instrument India**