

Product Name :

Leaf Filter

Product Code :

ALABS-A139-002

**Description :****Leaf Filter**

Leaf filters, sometimes called tank filters, they consists of flat filtering elements (leaves) supported in a shell. The leaves are circular, arc-sided, or rectangular, and they have filtering surface on both faces. The shell is a cylindrical tank. The set-up consists of flat filtering elements (leaves) supported in a slurry tank. A filter leaf consists of a perforated plate over which a filter medium of woven fabric is fitted. The whole assembly is connected to a vacuum pump through a filtrate receiver. An agitator is fitted in the slurry tank. Drain valve is provided in it. The set-up is operated batch wise.

Experimentation:

- To determine the specific cake resistance for the given slurry using Leaf Filter

Utilities Required :

- Electric Supply : Single phase, 220 V AC, 1kW.

- Floor Area : 1m x 1.5m
- Water supply & Drain.
- Slurry required to performing experiment

Technical Details :

Diaphragm with SS Mesh & filter cloth on both sides.

SS Tray Base Steel, capacity 50 Ltrs. (approx.)

Stainless Steel Impeller with SS Shaft coupled to FHP Motor and Reduction Gear Box

Stainless Steel column with water level gauge

Standard pump coupled to FHP motor.

Control panel Comprises of:

Standard make On/Off switch, Mains Indicator etc.

Instruction manual will be provided along with the Apparatus

A good quality painted rigid MS Structure is provided to support all the parts.



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