

Product Name :
Leaf Filter

Product Code :
NLAB-TECHNICALAB31009



Description :

Leaf Filter

Technical Specification :

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 :

Leaf filter: Dia. 200mm with SS Mesh & filter cloth on both sides.

Slurry Tank: Stainless Steel, capacity 50 Ltrs. (approx.)

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

Filtrate receiver: Stainless Steel column with water level gauge

Vacuum pump: Standard make coupled to FHP motor.

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