



HPLF

The Horizontal Pressure Leaf Filter consists of a Horizontal Cylindrical shell Retraction with special bayonet wedged lock – closure with Seal. The retractable filter shell is mounted on sturdy structural column & base plate is of mild steel construction. The retraction of shell is accomplished by hydraulic cylinder through guided rollers on the Structural column. All sensitive nozzles are mounted on fixed dish and no need to disconnect any piping during shell opening closing operation.

The hydraulic cylinders are connected to power pack and it consists of solenoid valves for the operation of opening / closing bayonet wedged lock closure and shell retraction.

5 ply. Filter Leafs construction top screen in SS 316 L 24 x 110/60 x 60 filter mesh rest all material in SS 316/SS304 with bottom drain nozzles are mounted on central outlet manifold & clamped with two common shaft on top for fixing leafs. Once the filtration is completed the residual feed below the filter elements has to be drained through the drain nozzles & filtered cake is dried with air.

The Pneumatic Vibrator has to be operated to loosen up the Cake by creating a slight crack and dislodged manually by wooden spatula by scrapping after retraction of Shell. In case of any layer of cake left over the same has to be manually scraped by wooden spatula. Cake can be collected through mobile Tray or screw conveyor at the bottom.

PRESSURE LEAF FILTER APPLICATIONS

Edible Oil

Crude, Bleached, Winterised, Deodorized, Hydrogenated

Chemical

For Organic & Inorganic Salts , Chemicals, Plastizers, Molten Sulphur

Pharma Industry

API, Syrup, Bulk Drugs.

Food & Beverage Industry

Sweetener, Liquid Glucose, Beer.

Features

1. Closed Operation
2. Clean Floor Space
3. Higher Filtration area
4. Customized design as per process requirement
5. Easy to use
6. Can be automated in PLC, If required
7. Continuous Operation