

LAB MODEL FILTRATION MACHINE



MARKET APPLICATIONS

Pharmaceuticals & Biotechnology	Mineral Oil
Chemical	Dairy, Food & Beverages
Colour & Coating	Healthcare



LAB MODEL SPARKLER FILTER PRESS



Centrifugal Pump

LAB MODEL - 6" X 6 PLATES CP

The **AKSHAR ENGINEERING WORKS** manufacturer and supplier of zero hold up filter press in India that is made up of high quality stainless steel having customized finished design. The cartridge assembly consists of plates, perforated screens, spacers and filter media stands on S.S. trolley. The whole assembly complete with attached pump and pipe lines through welding

The zero hold up filter press having exactly the opposite direction of flow of liquid to the flow in standard filter. The unfiltered liquid is fed into central part of the machine giving high pressure from bottom inlet. The filter media filters the liquid when the whole liquid spreads out equally on each plate. Solids remain on filter media and filtrate liquid collects in the shell, which then comes out through the outlet. After the completing of filtration process the cake is cleaned from filter material and can be recycled.

SERVICE · EXPERIENCE · EXPERTISE · KNOWLEDGE

AKSHAR Lab Model Sparkler Filters

Model No - AZFP66CP

Dia. of Plate - 6 Inch

No. of Plates - 6

Filtration Area - 0.090 Sq.Mtr

Cake Holding Capacity - 0.9L

Flow Rate ~ 20-50 Ltrs Per Hour.

Motor - 0.5 HP

Motor Speed - 2880 RPM



LAB MODEL SPARKLER FILTER PRESS

LAB MODEL - 6" X 6 PLATES GP

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Rotary Gear Pump

SERVICE · EXPERIENCE · EXPERTISE · KNOWLEDGE



AKSHAR Lab Model Sparkler Filters

Model No - AZFP66GP

Dia. of Plate - 6 Inch

No. of Plates - 6

Filtration Area - 0.090 Sq.Mtr

Cake Holding Capacity - 0.9L

Flow Rate ~ 5-10 Ltrs Per Hour.

Motor - 0.5 HP

Gear Pump /Motor Speed - 1440 RPM

Gear Pump - 3/8" x 3/8"

SALIENT FEATURES FOR LAB MODEL FILTER PRESS

Central Feeding Ensures:

- No solid inside the filter tank.
- Complete recovery of liquids.
- Uniform distribution of cake on each plate.
- Uniform filter-aid bed can be formed.
- Cake solid can be maximum dried with N_2 .
- Complete cake retains over the plate.
- Reduce the cost of expensive solvents products.

Closed System Ensures:

- Filtration of toxic, hazardous, explosive materials.
- Efficiently cleaned and sterilized.

Plate Pack Arrangement Ensures:

- Any type of filtering media singularly or in combination, can be used to achieve required micron efficiency.
- Easy removal and cleaning of the cartridge assembly.

APPLICATIONS:

Pharmaceutical, fine wine, alcohol, fine chemicals, perfumes, resins, food industries, distillery industries, paint, honey, varnish, sugar syrup etc....

The valves of "Flow Rates" mentioned in technical specifications have been estimated for the following operating parameters:

- Fluid : Water
- Insoluble : Carbon
- Filter Media : Non woven polypropylene
- Carbon loading : 5kg/m^2 filtration area.

The actual flow-rate will differ from the estimated valve depending on the operating variable.

SALIENT FEATURES FOR LAB MODEL FILTER PRESS

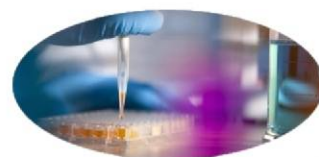
- GMP Models stands for SS trolley.
- Manufactured using quality raw material such as S.S. 304/316/316L M.O.C.
- Having S.S. Double Jacket for hot filtration.
- Available in various sizes and different diameters having numerous number of plates.
- It also provides the Back wash facility for continuous operations.
- The horizontal filter plates prevent the cake dropping from the shell.

SALIENT FEATURES FOR LAB MODEL FILTER PRESS

- Complete filtration process without any hold up of unfiltered liquid..
- The opposite direction of flow saves large time and cost.
- Single pass filtration with no solid bypass.
- Gives crystal filtration by filtering particles up to 5-10 micron size.
- Full batch recovery, no need of separate scavenging system.
- Proper sealing which allows filtration of toxic, hazardous and explosive liquids.

OPTIONAL FEATURES FOR LAB MODEL FILTER PRESS

- Flame Proof Motors, Starters , Available Single Phase & 3 Phase Motor also.
- SS 304 Double Jacketed for Hot Filtration.
- Backwash facility for Zero Hold Filter Press to take no. of batches without opening the filter
- Gear, Lobe, Alfa Laval Pumps for different liquid filtration.
- Compounding Pressure Gauge, Air valve & Safety valve.
- PP, halar coating, PTFE, PVDF coating / lining can be done on Contact parts of liquid flow through filtration corrosive chemicals



Pharmaceuticals Industries



Cosmetics Industries



Chemicals Industries



Oil Industries



Dairy Industries

“AKSHAR HOUSE”



EXCELLENT POWER OF EXPERIENCE & TRUST.



“AKSHAR HOUSE”

Plot no: 3312/8 Phase-4 Chhatral, GIDC, Opp. V.K.Vikram Gali, Chhatral - 382729, Gujarat, India
Mo: 91-99982 52299 , **Email:-** vishal@aksharfilterpress.com, info@aksharpharmamachinery.com
Web:- www.aksharfilterpress.com, www.aksharpharmamachinery.com