



SAP FILTER
PVT. LTD.

Quality, Time, Economy - Perfectly Balanced

The Ultimate Solution for Filtration



ZERO HOLD UP
HORIZONTAL PLATE
CLOSED PRESSURE FILTER

ZERO HOLD UP HORIZONTAL PLATE CLOSED PRESSURE FILTER (Sparkler Filter)

Solid /Liquid Filtration:

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SAP Filter sets a benchmark - complementing to filtration application by offering Zero Hold Up Horizontal Plate Closed Pressure. This furnishes an immense flexibility to the user in handling an array of materials. This adds a simplified option in filtration.

The filters find application in industries as such as chemicals, API, Agrochemicals, ink, paint, food, beverages and others.

SAP Filter offers the solution, to find the product most suitable to your requirements.

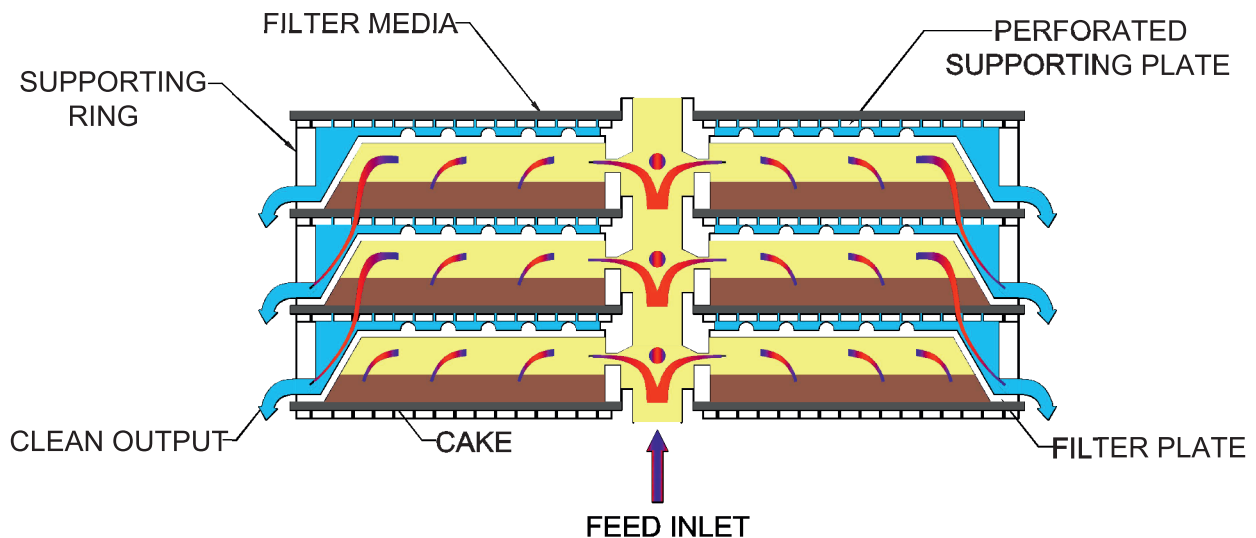
- We promote work ethics based on quality first.
- We promote engineering excellence by following best engineering practices and processes.

SAP ensures to meet your exact requirement by selection of right sizes and material of construction.

HOW IT WORKS

The filter assembly consists of plates with inter locking cups, plate rings and filter media. Interlocking cups arranged one above other, forms single channel. The unfiltered liquid is centrally fed under pressure from bottom inlet. The liquid spreads out equally on each plate fitted with filter media. Solids remain on the filter media and clear filtrate flows through gaps on the supporting ring and collects in the shell, which is led out through outlet pipe line. In this process, solids are evenly distributed on each plate. At the end of the cycle the cake can be dried maximum by applying air or inert gas.

SCHEMATIC VIEW OF FILTER PLATES ASSEMBLY



ADVANTAGES

1. Uniform distribution of cake on each plate.
2. Uniform filter-aid bed can be formed.
3. Complete recovery of liquids.
4. Cake solids can be maximum dried with N_2 .
5. No solid inside the vessel.
6. Reduces the cost of expensive solvents.
7. Filtration of toxic, hazardous, explosive materials.
8. Efficiently cleaned.
9. Easy removal and cleaning of the cartridge assembly.

APPLICATION

API, Fine Chemicals, Flavours, Fragrances, resins, paints, varnishes, polymers, food industries, catalyst / activated carbon applications.

The Flow rates mentioned in technical specifications have been calculated based on following operating parameters:

- Fluid:Water
- Insoluble:Carbon
- Filter media:Non-woven polypropylene cloth of 418 grade.
- Carbon loading:5 kg/m² filtration area.

The actual flow-rate will differ from the calculated values depending on the operating variables.

MATERIAL OF

SS304, SS 304L, SS 316, SS 316L. SS 904L, Hastelloy C276 & C22, Polypropylene, PTFE and P.V.D.F

CONSTRUCTION:

Solution in process filtration

From testing to scale up SAP offers complete support

We are just a phone call away and can be available for discussion.



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SAP Filter Pvt. Ltd.

Plot No. A-5, Sector-1, The Vasai Taluka Indl. Co.-op. Estate. Ltd.,
Goraipada, Vasai (E), Dist. Palghar - 401 208. Maharashtra, India.
Office : +91-9167970213 / 07 | Fax: +91-0250-2458982
E-mail: info@sapfilter.com / sapfilters@gmail.com