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HORIZONTAL PLATE FILTER PRESS

- Model:**
- | | |
|-------------------|-------------------|
| 1) PF / HP - 8 | 4) PF / HP - 18 D |
| 2) PF / HP - 14 | 5) PF / HP - 24 |
| 3) PF / HP - 18 S | 6) PF / HP - 33 |

PLATE AND FRAME FILTER PRESS

- Model:**
- | | |
|-----------------|-----------------------|
| 1) PF / PF - 20 | 4) PF / PF - 40 (C) |
| 2) PF / PF - 40 | 5) PF / PF - 60 (C) |
| 3) PF / PF - 60 | |

BAG FILTER

Single Bag, Multi Bag, Duplex

CARTRIDGE FILTER

Industrial Range

SINGLE PLATE FILTER HOLDER

- Model:**
- | | |
|-------------------|--------------------|
| 1) SPFH - 30 cm ø | 4) SPFH - 90 cm ø |
| 2) SPFH - 45 cm ø | 5) SPFH - 120 cm ø |
| 3) SPFH - 60 cm ø | |

FILTRATION SYSTEM

Model: Custom Built

ROTARY SPRAY BALL

Model: Sani Moto / Sani Nano

HORIZONTAL PLATE FILTER PRESS

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EXPERIENCE

EXPERTISE

ETHICS

Features :

- Horizontal Plate Filter Press is enclosed construction, preventing evaporation, oxidation, leakage and fumes escaping from product.
- Filter plates are available in two sizes. Deep plate for large percentage of cake holding capacity and Shallow plate for small percentage of cake holding capacity.
- The horizontal filter plate and even thickness of cake, prevents the cake dropping as well as cracking, thus assuring better filtrate quality.
- The Filtration area and cake holding capacity can be increased or decreased according to requirement.

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Application :

- Filtration of sugar syrup based liquid
- Filtration With Filter aid
- Filtration of thin liquid
- Retention of Solids / Carbon / Catalyst



Technical Specification :

Sr. No.	Model No.	Type	Filter Plate			
			Dia	Ht.	F.A.	Cake Holding Capacity
			(Inch)	(Inch)	M ²	(Lts)
1	PF / HP - 8	Shallow	8	1	0.027	0.45
2	PF / HP - 14	Shallow	14	1.5	0.091	2.50
3	PF / HP - 18 S	Shallow	18	1	0.152	2.50
4	PF / HP - 18 D	Deep	18	2	0.152	4.50
5	PF / HP - 24	Shallow	24	1.5	0.26	9
6	PF / HP - 33	Shallow	33	1.5	0.50	15

PLATE AND FRAME FILTER PRESS



EXPERIENCE

EXPERTISE

ETHICS

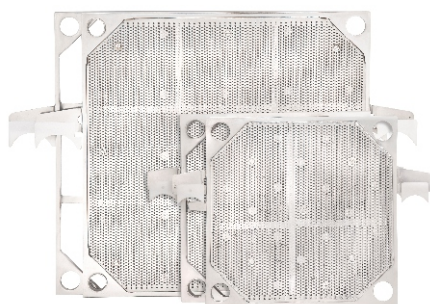
Features :

- Plate and Frame Filter Press is suitable for Coarse, polishing and sterilizing filtration duties, with sheet filter or filter aid
- Filter Press with the Fixed heads, the side support bars and the moving head forms a free standing constructional unit. All of which are either from S.S. 304 or cladding with stainless steel sheets.
- With the addition of change over plate, filter press can be divided in two sections for two stage filtration.

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(Gasketless Design)



(Gasket Design)

Technical Specification :

Sr. No.	Model	Size (cm x cm)	F.A/ Plate (m ²)	Cake Holding Capacity / Frame Remark			
				13mm	15 mm	40mm	
				Ltrs.	Ltrs.	Ltrs.	
1	PF / PF - 20	20 X 20	0.059	0.38	--	--	Gasket Design
2	PF / PF - 40	40 X 40	0.276	1.74	--	5.48	Gasket Design
3	PF / PF - 60	60 X 60	0.650	4.00	--	12.9	Gasket Design
4	PF / PF - 40 (C)	40 X 40	0.252	--	1.84	5	Gasket Less Design
5	PF / PF - 60 (C)	60 X 60	0.63	--	4.58	12.49	Gasket Less Design

Features :

- Bag Filter is a pressurized liquid filtration.
- Bag Filter is useful for filtration of large volume liquid.
- The filtration is from inside to out through the Bag Filter media. Contaminant removed from the Liquid retained inside the bag making change over and disposal simple.

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Filter housing :

The Filter housing incorporate a simple Opening system, which allows the change over of the filter bags very simple and quickly. The internal support ensures, filter bag will not burst as high differential pressure builds up during filtration.

Bag filter :

Filter Bags are made of felt material, which has the advantage of providing three dimensional filter media and offers both, a surface and depth filtration effect, along with high pore volume resulting in low pressure drop, high flow rate and longer bag life. Filter Bags are available in different types of filter media in different ratings. Polypropylene filter bag offers a broad range of chemical compatibility and is suitable for many applications. Polyester Filter Bags are suitable for high temperature with compatibility for acids and petroleum based fluids.



Range

Single Bag, Duplex, Multi Bag (upto 16 Bags)

Technical Specification :

Sr. No.	Model No.	Size	Filter Bag
			No. of Bags
1	BFH - 4141	4" ø X Double length	1
2	BFH - 7301	7" ø X Double length	1
3	BFH - 7303	7" ø X Double length	3
4	BFH - 7304	7" ø X Double length	4

Sanitary Range :

Sanitary Range Cartridge Filter Housings are manufactured from S.S. 316 Quality material. They are design to fit Standard code-7 type Filter cartridges with bayonet locator providing an efficient seal between Filter Cartridge and Housing. The Range available offers up to 19 round Filter cartridges in Configuration of 10", 20", 30" and 40" length.

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Industrial Range :

Industrial Range Cartridge Filter Housings are manufactured from S.S. 304/ S.S.316 Quality material. They are design to fit double open-end type Filter cartridge with knife edge seal and tie-rod providing an efficient seal between housing and Filter cartridge.

The range available offers up to 24 round Filter cartridges in configuration of 10", 20", 30" and 40" length.

Filter cartridge :

Standard filter cartridges are available in PP/Nylon/ S.S. 316 and in different micron ratings.

Length is 10", 20", 30", 40" and code -7 or Double open end type.



SINGLE PLATE FILTER HOLDER

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EXPERIENCE

EXPERTISE

ETHICS

Features :

- Single Plate Filter Holder is suitable for the retention of cake under pressure or vacuum system and used for small batch size for solid / liquid separation.
- Different size and Grade of Filter Media can be used as per process requirement.
- Standard Filter Holders are available in different sizes to suit batch size requirement.
- It is one of simple and economic filtration under close filtration process.

Application :

- Solvent based product Filtration.
- Retention of activated carbon from solvent.
- Retention of Catalyst.

Technical Specification :

Sr. No.	Model No.	Top Chamber Capacity	Bottom Chamber Capacity	Suitable For Filter Pad
1	SPFH - 30 cm Ø	11 Lts.	11 Lts.	35 cm Ø
2	SPFH - 45 cm Ø	30 Lts.	30 Lts.	50 cm Ø
3	SPFH - 60 cm Ø	60 Lts.	60 Lts.	65 cm Ø
4	SPFH - 90 cm Ø	150 Lts.	150 Lts.	95 cm Ø
5	SPFH - 120 cm Ø	300 Lts.	300 Lts.	125 cm Ø

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Features :

Tank cleaning Device is self rotating spray balls that cleans the Tank internals from a small vessels to large vessels. The Sani Nano / Sani Moto are driven by the cleaning fluid which is spread out in cuts through knives in uniform pattern so that all the surfaces are being washed by the powerful jet. Two of these cuts are displaced from the centerline provides the necessary reaction force to rotate. The Optimal pressure is 2 Kg/cm² equivalent to normal CIP pressure.

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Application :

- CIP Application
- Breweries
- Pharmaceutical
- Dairy processing
- Chemical Industries



Installation :

- Effective cleaning radius may vary with sticky nature of product with Vessel surface.
- Require to install in vertical position.
- Operating pressure and flow rate should be available at inlet connection.
- For bigger size tank, two or three may be more advantageous.

Technical Specification :

Model	Sani Nano	Sani Moto
Connection	3/4" BSPF	1" BSPF
Diameter	45 mm	65 mm
Height	100 mm	130 mm
Cleaning Radius	1 m	2 m
Flow Rate	5 m ³ /hr	10 m ³ /hr
Op. Pressure	2 Kg/cm ²	2 Kg/cm ²
M.O.C.	S.S. 316 L	S.S. 316 L