

- HORIZONTAL PLATE FILTER PRESS (STANDARD MODEL)
- HORIZONTAL PLATE FILTER PRESS (REVERSE FLOW/ZERO HOLD UP TYPE)
- VERTICAL PLATE AND FRAME TYPE FILTER PRESS

FILTRATION UNIT



The SPM range of filter presses are used for wide range of applications by several industries like Pharma, bulk drugs, distilleries, beverages and other industries. More than Thousand units supplied within last 3 Decades.



HORIZONTAL TYPE FILTER PRESS (STANDARD MODEL)



In this type of filter product to be filtered is fed in the shell with the help of suitable pump, where in it flows into the filter plates placed inside. The product enters plates from peripheral holes, while the impurities are retained on filter media & clear filtrate comes out from bottom outlet.

TECHNICAL SPECIFICATION

Types	Dia. Of plate	No. of plates	Filtering area	Cake capacity	Output
S866	8"	6	0.1886 m ²	4.34 liters	400 liters/ hour
S888	8"	8	0.2260 m ²	5.79 liters	500 liters/ hour
S148	14"	8	0.6130 m ²	27.78 liters	1000 liters/ hour
S14110	14"	10	0.7960 m ²	34.72 liters	1200 liters/ hour
S18112	18"	12"	1.745 m ²	78.01 liters	4000 liters/ hour
S18115	18"	15	2.169 m ²	40.50 liters	5000 liters/ hour
S18223	18"	23	3.338 m ²	63.49 liters	7000 liters/ hour
S24110	24"	10	2.53 m ²	142.56 LITERS	9000 liters/ hour
S24118	24"	18	4.37 m ²	113.12 LITERS	16, 200 liters/ hour
S24113	24"	13	3.22 m ²	185.33 LITERS	11, 700 liters/ hour
S24224	24"	24	5.75 m ²	150.81 LITERS	21, 000 liters/ hour





This is a modified version of our conventional Horizontal plate type filter, in which the flow direction is Reversed as well as shell is dome type with clamp at bottom.



HORIZONTAL PLATE FILTER PRESS (REVERSE FLOW / ZERO HOLD UP)

FEATURES :

- Zero hold up of filtrate without scavenging operation.
- Superior clean filter tank processing.
- Fast and easy removal of filter plate & cartridges due to top dome construction.
- Hence easy removal of cake.
- Higher working pressure possible.
- Uniform filter aids and cake distribution.



Types	Dia. Of plate	No. of plates	Filtering area	Cake capacity	Output
Z Z86	8"	6	0.1886 m ²	4.34 liters	400 liters/ hour
Z Z88	8"	8	0.2260 m ²	5.79 liters	500 liters/ hour
Z1 148	14"	8	0.6130 m ²	27.78 liters	1000 liters/ hour
Z1 1410	14"	10	0.7960 m ²	34.72 liters	1200 liters/ hour
Z1 1812	18"	12"	1.745 m ²	78.01 liters	4000 liters/ hour
Z1 1815	18"	15	2.169 m ²	40.50 liters	5000 liters/ hour
Z1 1823	18"	23	3.338 m ²	63.49 liters	7000 liters/ hour
Z2 2410	24"	10	2.53 m ²	142.56 LITERS	9000 liters/ hour
Z2 2418	24"	18	4.37 m ²	113.12 LITERS	16, 200 liters/ hour
Z2 2413	24"	13	3.22 m ²	185.33 LITERS	11, 700 liters/ hour
Z2 2424	24"	24	5.75 m ²	150.81 LITERS	21, 000 liters/ hour





VERTICAL PLATE & FRAME TYPE FILTER PRESS

This filter press is offered for filtration of solids from liquids in comparatively higher batch sizes. The press can be precisely sized for the required filtration area and solid retention capacity. The press finds application in pre-filtration of sterile products syrups, beverages etc. It is available in plate sizes of 20x20, 40x40, & 60x60.

APPLICATION :

- Filtration of Sugar Syrup based liquid
- Filtration of thin liquid.
- Retention of solids/ Carbon.

Sr. No.	Model	Filter Plate Size (cm x cm)	F.A/ Plate (m ²)	Cake Holding Capacity/ Frame		
				13mm	25mm	40mm
				Ltrs.	Ltrs.	Ltrs.
1	SPM - 20	20 x 20	0.057	0.375	0.72	1.2
2	SPM - 40	40 x 40	0.265	1.710	3.31	5.28
3	SPM - 60	60 x 60	0.640	4.000	7.70	12.7

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