

**ZERO HOLD UP FILTER PRESS :**

- Available with centrifugal / gear / lobe roto pump.
- Fitted with pressure gauge, safety valve & air vent.
- Gives crystal clear filtration.
- All contact parts in SS 304/316/316L.
- High degree of finish to all contact parts.
- **Added features for zero Hold Up (Reverse Flow) with Back Wash.**
- Minimum hold up of unfiltered slurry, boost in productivity.

**Typical Construction:-**

Filter Press consists of a sturdy Stainless Steel shell with a top cover held in place with tightening bolts, Cartridge assembly consists of several plates of patented screens and inter locking cups. **The design ensures that the unfiltered liquid hold up is minimum, almost nil.** The entire assembly, complete with piping, pump etc. is all mounted on a stainless steel trolley with sturdy castors. Flameproof Filter Press is also available (Optional).

**Operation: -**

The Liquid to be filtered is passed to the central passage of the filter cartridge. From here it finds its way to the different filter plates on which suitable filter media is used.

As the liquid progresses through the filter plates and the screens, the filter media arrests the suspensions and allows the filtrate to the shell of the main body of the filter media.

In some cases, the process requires the recovery of the cake. The same can be collected from the top of the filter media.

**The added feature of this filter is that it can be backwashed without dismantling the cartridge.** In case the product is same, the filter-aid required after back washing is only marginal. Since the top dome is free from any piping connection, the removal of filter cartridge is very easy.

Scavenger arrangement is not required.

**Description:-**

Stainless Steel Horizontal Plate Type Filter Presses are made to a special modular design that guarantees precisely the right filtration requirements for each application. Available in a wide range of output capacities, with different number and height of filter plate, as well as a choice of flow pump.

**Salient Features :-**

- Meets GMP and FDA norms.
- Construction follows the latest standard & engineered to perfection.
- Available models – 8, 14, 18, 24 & 33 inches plate diameter.

**TECHNICAL SPECIFICATIONS :-**

Plate Dia	No. of Plates	Filtering Area M2	Cake Holding Cap. Ltrs.	Output Ltrs / hr.	H. P. of Motor	Size and Type of Pump	Dimensions (mm)		
							L	W	H
4"	4	0.022	0.34	90	0.5	1/2" Centrifugal	725	550	625
8"	6	0.209	4.78	600	1.0	3/4" Centrifugal	840	530	840
8"	8	0.275	6.10	750	1.0	3/4" Centrifugal	840	530	890
14"	8	0.746	23.00	3500	2.0	1" Centrifugal	1000	760	1170
14"	10	0.908	28.00	4000	2.0	1" Centrifugal	1000	760	1250
18" D	8	1.198	53.00	6500	3.0	1.1/2" Centrifugal	1120	760	1245
18" D	12	1.840	76.00	8000	3.0	1.1/2" Centrifugal	1120	760	1450
18" S	15	2.276	45.50	10000	3.0	1.1/2" Centrifugal	1120	760	1270
18" S	23	3.418	66.20	14000	3.0	1.1/2" Centrifugal	1120	760	1470
24" S	16	4.640	120.50	15000	3.0	2" Centrifugal	1092	1524	1535
24" S	24	6.500	175.00	25000	5.0	2.1/2" Centrifugal	1092	1524	1750
33" S	7	4.060	120.00	15000	3.0	2" Centrifugal	1300	1300	1680
33" S	10	5.500	170.00	22000	3.0	2" Centrifugal	1300	1300	1850
33" S	14	7.515	230.00	30000	5.0	2.1/2" Centrifugal	1300	1300	2000

**D = Deep Plate****S = Shallow Plate**

**Note :** Images Shown here are illustrative. As the design & manufacturing of Machines are subject to improvement, the product supplied will be as per our Techno-Commercial offer.