

## STANDARD FILTER PRESS

### Typical Construction :-

Filter Press consists of sturdy 304/316/316L quality stainless steel shell with a top cover held in place with tightening bolts, a filter cartridge assembly consisting of several horizontally arranged disc type filter plates with perforated supporting screens, filter media and interlocking cups. The entire assembly, complete with pump and piping connection, is mounted on a suitable stand fitted with castors for easy movement.

### Operation :-

The liquid to be filtered is passed to shell by the transfer pump, where it finds its way to top of plate through circular openings on the sides of plates. As the liquid progresses through the plates and the screens, the filter media arrest suspensions and allow the filtrate to pass through. Finally the filtrate runs down a central channel formed by the interlocking cups and exits through the outlet pipe. While these filter presses are generally used for obtaining clarified filtrate, cakes can also be obtained in the inter-plate space.

### N. B.:

The flow rate is mentioned in terms of water with 5% activated carbon with filter media as polypropylene cloth.

Filtration rates depend on viscosity of liquids, quality of filter pads and nature of sediments in liquids to be filtered.

Scavenger arrangement is not provided for 8 & 33 inches diameter filter presses.

We also offer Candle and Plate & Frame type filtration equipments to suit your requirements.

### 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.