

SPARKLER FILTER

DESCRIPTION:

SPARKLER FILTER: Totally enclosed air sealed leak proof filtration plant assembly. It consists of a filter cartridge assembly having material of construction Mild steel or stainless steel 304,316,316L filter plates, support screen, having interlocking cups and fitted in the Main shell tank. Filter is equipped with special arm device in Mild steel for quick opening of filter lid cover. Unit provided with all interconnecting pipelines and Ball valves having inlet/outlet/transfer/air vent, valve pressure gauge assembly, and suitable pump with ISI make TEFC/FLAME PROOF motor, with 'V' belt and pulley drive. The whole unit is mounted on SS or MS trolley fitted with fiber or Cast Iron castor wheel for easy movement.

Operation :

The unfiltered liquid is fed into the filter under positive pressure, where liquid travels in downwards direction and finds its way through opening on sides of the Filter Plates.

As the liquid pressure increases, the Filter media holds the foreign particles and allows only clear filtrate to pass through the central channel formed by interlocking pressure cups to the outlet. Filtration is continued until the cake holding capacity of the unit is reached or until the filtrate rate becomes too slow owing to cake resistance.

SALIENT FEATURES:

- Manufactured from Mild steel, Stainless steel 304/316/316L quality, argon is welded and mirror polished.
- 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.
- It can be provided with different types of pumps depending in the viscosity of liquid and output i.e. 'Gear Pump/ Centrifugal Pump/ Lobe Pump/ Roto Pump'.
- M.S. / S.S. Jacket is provided for hot filtration & Cooling.
- Provided with bypass system & safety valve.
- Sample collecting device is provided.
- Complete Mild Steel or Stainless Steel stand with fiber or Cast Iron castor wheels and MS or SS cover to the motor.
- Arrangement provided to remove last drop of liquid from Scavenger plate.
- It is used for crystal clear filtration of pharmaceuticals, chemicals, resins, beverages, distillery, oil, ink, and other industry.

Model No	Dia Of Plate	No Of Plates	Filtration Area M2	CAKE HOLDING CAPACITY IN LTRS		Flow Rate Ltrs/Hr	Size Of Pump	H.P of Motor
				Maximum	Function			
SFHF 8X3	8"	3	0.1270	2.920	2.120	300	½"	1
SFHF 8X4	8"	4					½"	1
SFHF 8X6	8"	6	0.2230	5.110	3.710	525	1"	1
SFHF 8X8	8"	8	0.2862	6.570	4.770	675	1"	1
SFHF 8X10	8"	10	0.3490	8.030	5.830	825	1"	1
SFHF 14X4	14"	4	0.4920	18.250	13.250	1000	1"	2
SFHF 14X6	14"	6	0.6888	25.550	18.550	1400	1"	2
SFHF 14X8	14"	8	0.8856	32.850	23.850	1800	1"	2
SFHF 14X10	14"	10	1.0825	40.150	29.150	2200	1"	2
SFHF 18x4	18"	4	0.8230	19.000	10.500	1700	11/2"	2
SFHF 18X6	18"	6						2
SFHF 18X8	18"	8	1.4814	34.200	18.900	3100	11/2"	2

SFHF 18X10	18"	10	1.8106	14.800	23.100	3740	11/2"	2
SFHF 18X11	18"	11						
SFHF 18X15	18"	15	2.6336	60.800	33.600	5440	11/2"	2
SFHF 18X18	18"	18						
SFHF 18X20	18"	20	3.4566	79.800	44.100	7140	11/2"	3
SFHF 18X23	18"	23	3.9504	91.200	50.400	8160	11/2"	3
SFHF 24X11	24"	11						2
SFHF 24X15	24"	15						2
SFHF 24X18	24"	18						2
SFHF 24X21	24"	21						3
SFHF 24X24	24"	24						3
SFHF 33X7	33"	7	4.3224	115.200	64.00	7920	2"	3
SFHF 33X10	33"	10	5.9433	158.400	88.000	13640	2"	5

Types	Diameter of Plate	No. of Plates	Filtering Area M2	Cake Holding Capacity Ltrs.	Capacity Ltr / Hr
SFHF86	8"	6	0.198	4.50	400
SFHF88	8"	8	0.254	5.78	500
SFHF148	14"	8	0.756	27.00	1500
SFHF1410	14"	10	0.924	35.00	1800
SFHF188	18" D	8	1.270	51.00	2500
SFHF1815	18" S	15	2.270	44.00	4500
SFHF1812	18" D	12	1.840	78.00	3700
SFHF1823	18" S	23	3.400	65.00	6800
SFHF2412	24" D	12	3.430	148.00	6700

SFHF2423	24" S	23	6.336	120.00	12600
SFHF337	33" D	7	4.000	175.00	8000
SFHF3314	33" S	14	7.500	210.00	15000