

ROTATING VACUUM FILTER FPF SERIES- DESIGNED FOR THE DEWATERING OF STARCH SLURRIES

PROCESS DESCRIPTION

The starch slurry is drawn on to the filter drum surface by application of vacuum through drum suction pipes.

Starch stays behind on the surface and forms a microporous filtration layer. Fluid/air mixture passes through this layer and is discharged through the suction pipes into the filtrate tank. Dewatered starch is continuously removed from the drum by a scraper knife system. The filter lining supporting the starch layer is continuously cleaned through the starch layer with a high pressure cleaning system.

DESIGN

Typical features of the FPF type vacuum filter are low to medium drum submergence; a filter drum fitted with suction pipes warranting an even cake build and the best internal cleanability; a sturdy rake agitator preventing settling of starch in the slurry pan; a scraper knife system optionally fitted with auto-retract; a continuous drum cleaning system; a high pressure spray pipe for cake removal and a filtrate separation tank.



BENEFITS

FEATURES

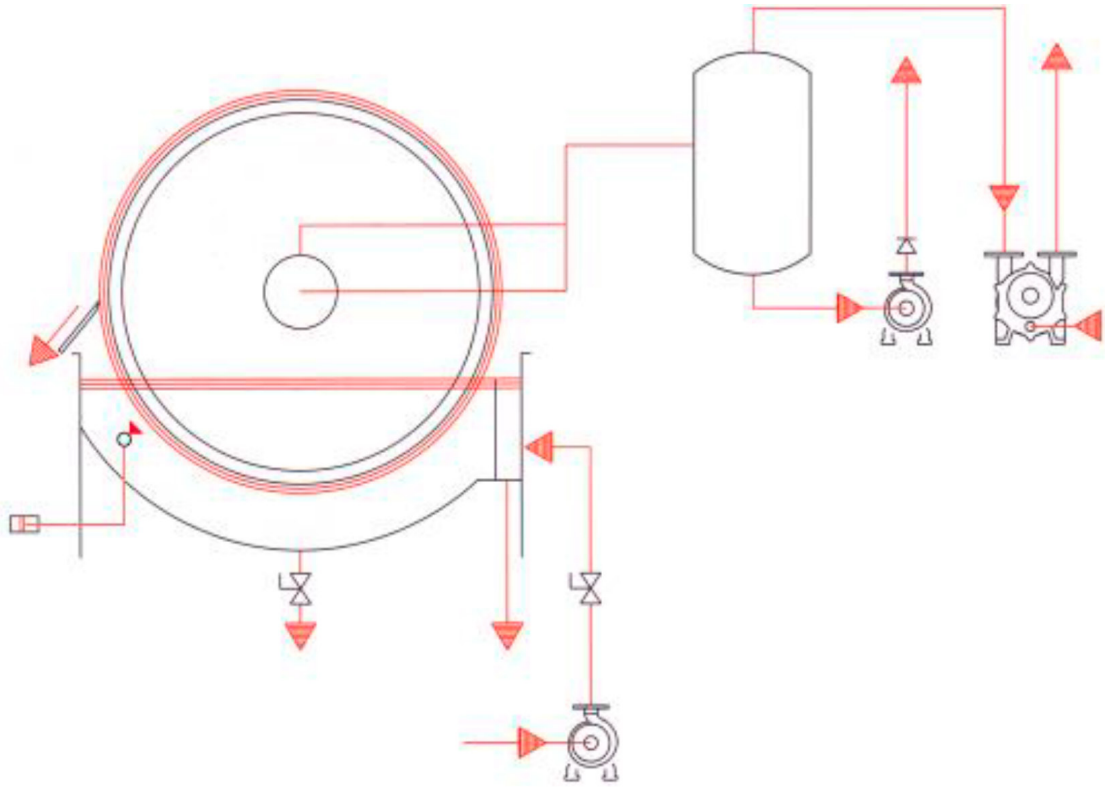
- High efficiency
- Lowest power consumption
- Robust construction
- Minimal down time
- Effective drum cleaning during in operation

OPTIONS

- Auto knife retract
- Construction materials
- Auto cleaning
- Wide range of filter linings from stainless to polypropylene
- Auto level control

ROTATING VACCUUM FILTER SiccaDania Group

TECHNICAL DATA



Diameter	Effektive filtration area																			
	0.5	1	2	3	4	5	6	8	10	13	15	20	25	32	40	45	50	60	80	
500	●																			
1000	●	●	●	●	●	●														
1250							●	●	●											
1600									●	●	●									
2000												●	●							
2500													●	●						
3150															●	●	●			
3550																	●	●		
4000																				●