

BARAN™ Rotary Vacuum Drum Filter

A Rotary Vacuum Drum Filter consists of a cylindrical filter parts that is partly sub-merged in a slurry to be filtered. As the drum rotates through the slurry, the liquid is sucked through the parts, leaving solids to cake on the parts surface while the drum is submerged.

A central Shaft with very streamline designed flow pattern transfers the filtrate liquor from parts to the straight inline valve this ensure high-rate filtration & drainage.

Blow Back System

The Accumulated Cake on the Surface of each parts is discharged near the scrapper with air blow or snap blow action ensuring maximum cake discharge of cake to the Discharge chute.

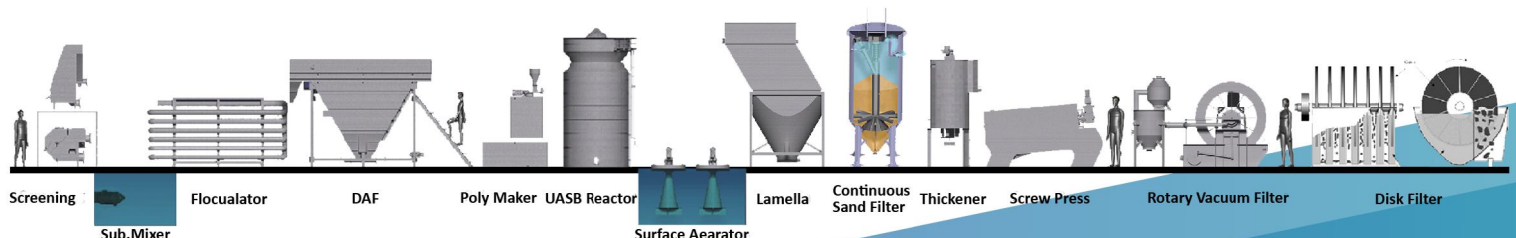
Pre-coat System- A knife or blade is positioned to scrape the product from the surface.

Applications

- The Rotary Vacuum Drum Filter is most suitable for continuous operation on large quantities of slurry.
- If the slurry contains considerable amount of solids, that is in the range of %30-40.

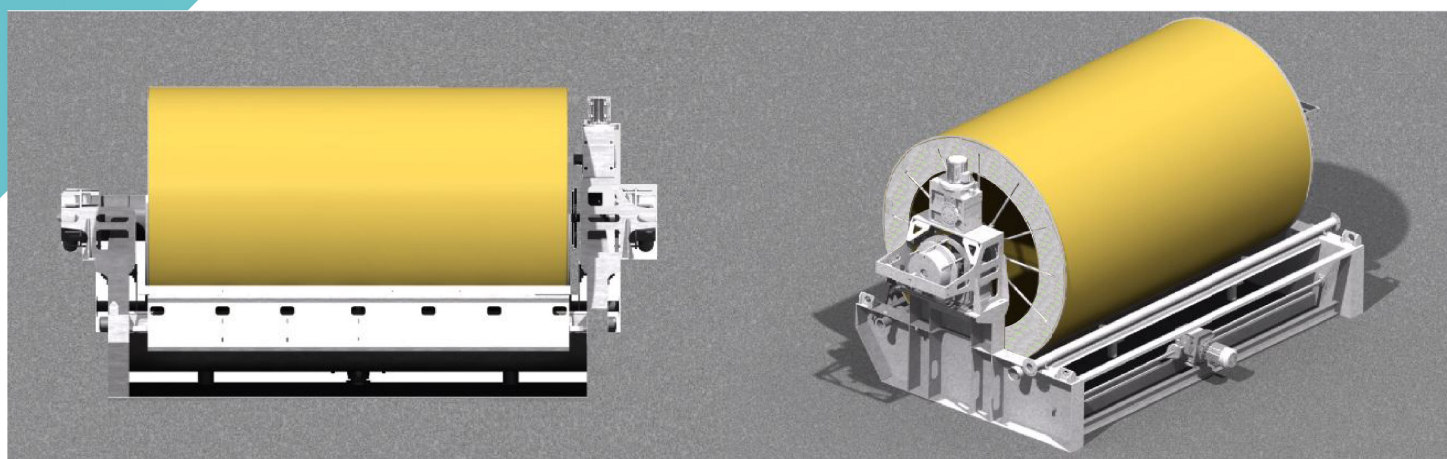
Advantages

- The rotary vacuum drum filter is a continuous and automatic operation, so the operating cost is low.
- The variation of the drum speed rotating can be used to control the cake thickness & dryness.
- The process can be easily modified (pre-coating filter process).
- Can produce relatively clean product by adding a showering device.





Data & Specification



Model		Filtration Area (m ²)	Dimensions			
			W	L	H	Power(kw)
20 series	RVDF-2010	6.5	2800	1800	3100	22
	RVDF-2015	9.5	2800	2500	3100	30
	RVDF-2020	13	2800	2900	3100	55
28 series	RVDF-2815	13.5	4000	2400	4000	55
	RVDF-2830	27	4000	3900	4000	90
	RVDF-2837	34	4000	4500	4000	110
	RVDF-2845	40	4000	5200	4000	110
35 series	RVDF-3530	33	5100	4100	5400	110
	RVDF-3545	50	5100	5400	5400	132

Tajhiz Sanat Baran Co. Filtration & Separation



No. 7 - 3rd Narges Ave. - Azadi Blvd
Shams Abad Industrial Park - Tehran/Iran



www.baran-eet.com



+989224869565



(+98) 21 56901064 ,74

(+98) 21 56901079



(+98) 21 56901098



info@baran-eet.com