

ROTARY VACUUM DRUM FILTER



WORKING :

A rotary vacuum drum filter consist of large rotating drum covered by filter cloth. The drum is suspended axially (horizontal) over a trough containing slurry with approximately 30-40% of the screen area immersed in the slurry.

As the drum rotates in the trough, the slurry is sucked on the surface of filter cloth and rotated out of the solid suspension as a cake. When the cake is rotating out, it is dewatered in drying zone. The cake dries because the vacuum drum is continuously sucking the cake and taking water out of it. At the final step of the separation, the cake is discharged and the drum rotates continuously to another cycle.

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
- * It can produce cleaner product using spraying over the cake.

Model No.	Drum \emptyset x L	Filtration Area	Maindrive HP	Agitator HP	Vacuum pump HP
RVDF-5	400 X 450	0.5 M ²	0.75	0.75	3
RVDF-10	660 X 600	1 M ²	1	1	5
RVDF-30	1200 X 900	3 M ²	1.5	1.5	10
RVDF-50	1250 X 1375	5 M ²	2	2	15
RVDF-100	1830 X 1875	10 M ²	3	3	20
RVDF-200	3060 X 2225	20 M ²	5	5	40
RVDF-300	3000 X 3250	30 M ²	7.5	7.5	50

Note:

- * Equipment can be customized to any required size & MOC based on your requirements
- * Parameters are subject to change depending on the slurry

APPLICATIONS:

- GYPSUM
- CANE JUICE
- EFFLUENT FILTRATION
- BULK DRUGS & PHARMA
- DYE STUFF
- COAL / MINERAL BENEFICIATION
- STARCH
- CELLULOSE

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FOR TRAILS OF YOUR SLURRY**