

Rotary Drum Vacuum Filter

Provides reliable performance with continuous operation and adaptable filtration, suitable for both straightforward and demanding processes.



SUPERIOR LIQUID-SOLID SEPARATION, MINIMAL MAINTENANCE

The Rotary Drum Vacuum Filter (RDVF) delivers continuous, high-efficiency separation of liquids and solids across a wide range of industrial processes. Its versatile, modular design supports filtration, clarification, extraction, cake washing, and drying — all with customizable discharge options tailored to your specific material needs.

Built for performance and durability, the RDVF is trusted in the chemical, pharmaceutical, food processing, and power generation industries. With minimal maintenance and maximum reliability, it's a go-to choice for process engineers looking to boost efficiency without compromise.

APPLICATIONS



**Agricultural Product, e.g.,
Grain, Gypsum**



**Plastics Resin, Electric
Power**



Sludge



Mining & Minerals



**Food Processing
Waste**



**Fruit Juice, Wine, Corn
Syrup Clarification**



**Flue Gas Desulfurization
(FGD) Scrubber Sludge**



Fermentation Broth



Industrial Waste

BENEFITS



**Filter Rate up to
160 lb/ft²/hr**

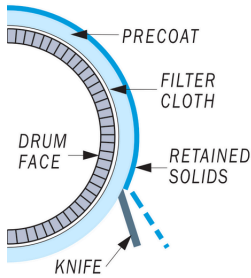


**Five Unique
Discharge Designs
for Versatile Use**



**Easy Maintenance
& Filter Media Care**

DESIGNED FOR VERSITILITY

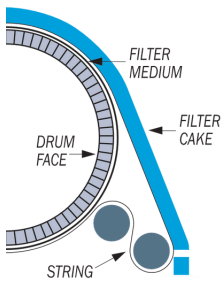


PRECOAT DISCHARGE

A powder precoat is applied to prevent blinding the filter media.

Typical Applications:

- Slimy, sticky, oily and blinding solids
- Clear filtrates
- Filter diluted slurries with varying feed concentrations
- Very thin filter cakes

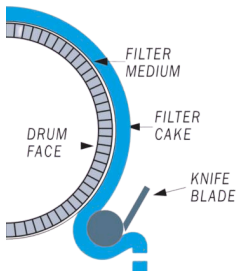


STRING DISCHARGE

Parallel strings lift and release cake, minimizing wear to prolong the filter life.

Typical Applications:

- Cohesive cakes
- Gelatinous cakes

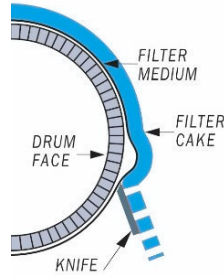


ROLL DISCHARGE

Tight media to retain fine particles.

Typical Applications:

- Thin, sticky (tacky) cakes
- Dilatent and thixotropic materials

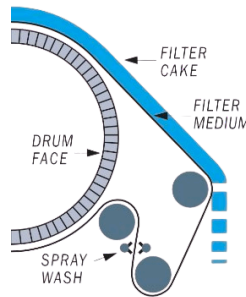


SCRAPER DISCHARGE

Air blowback releases cake above the scraper.

Typical Applications:

- Fast filtering materials.
- Filter/Dewater granular or crystalline solids
- Cakes in excess of 1/4" thick
- Non-blinding cakes
- Cloth washing is not required



FLEXIBELT® DISCHARGE

Variable-speed roll with raised helix for effective cake removal.

Typical Applications:

- Filter medium washing is required
- Thin cake
- Dry cake discharge or sluice (wet) cake

SERVICES & PARTS

Need replacement parts?

Contact our sales team and ask about our inventory of 10,000+ spare parts — to support your filtration needs.

End-to-end separation technologies used by municipal water, agricultural, and manufacturing industries.

