



## Scraper Discharge System

This technique is widely used:

- to filter solid-liquid suspensions with a high solids content
- when the suspension can easily produce a filter cake, usually in excess of 5mm thick
- when the filter cake is easily discharged from the filter medium
- for non-blinding solids
- where the solid and/or filtrate is the product

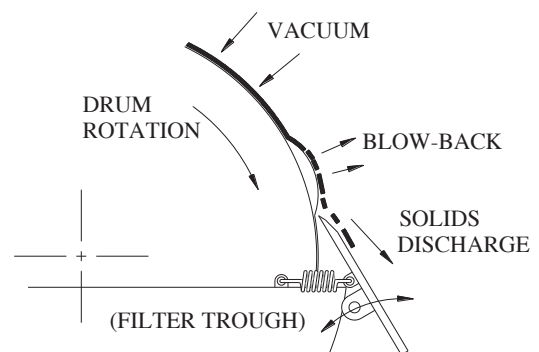
### The process

A Scraper Discharge Rotary Drum Vacuum Filter is one of the most common systems used by clients today. The round tipped plastic blade deflects the filter cake as it discharges from the drum surface.

It neither scrapes the drum surface nor cuts the cake away. Instead, at the point of discharge, the drum panel is isolated from the vacuum and low pressure air is used to break the vacuum and inflate the panel; this moves the cloth towards the discharge blade, where the cake is dislodged and deflected from the drum surface, refreshing the filter cloth for another cycle.

### Most suitable for use in the processing of:

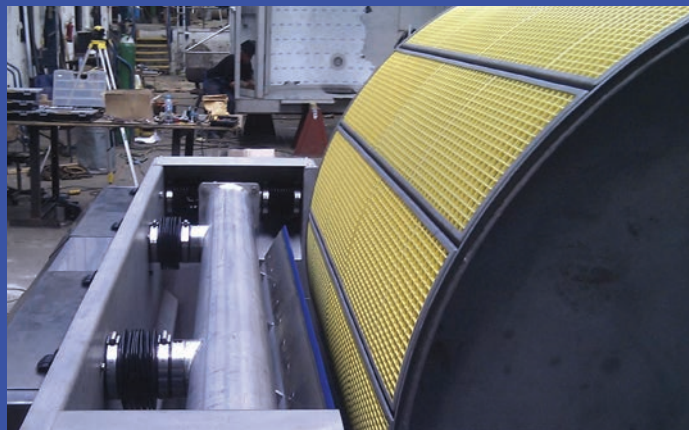
- Bulk or fine chemicals
- Pharmaceuticals
- Pigments
- Foods
- Bulk minerals
- Plastics
- Wastewater treatment
- Sludge dewatering
- Catalysts



## *Other Discharge Options*



*Belt Discharge*



*Precoat Discharge*



*Roller Discharge*



*String Discharge*



*Clarity Through Engineering*

For more information, please contact Filtration Services:

Filtration Services Limited  
Unit 5, Sutton Mill, Byrons Lane  
Macclesfield, Cheshire SK11 7JL  
United Kingdom

tel: +44 (0)1625 616109  
fax: +44 (0)1625 434678  
email: [info@filtrationservices.co.uk](mailto:info@filtrationservices.co.uk)

[www.filtrationservices.co.uk](http://www.filtrationservices.co.uk)

