



## Belt Discharge System

Belt Filters Systems are most commonly used when:

- the filter cake is thin (typically, less than 3mm)
- filter medium washing is required to prevent blinding
- suspensions have a moderate solid concentration
- the suspension will readily produce a filter cake
- the filter cake is fibrous

Suspensions most commonly filtered in this way tend to produce filter cakes with a naturally high residual moisture content. As such, these require the use of a filter belt to transport the solids to the discharge point.

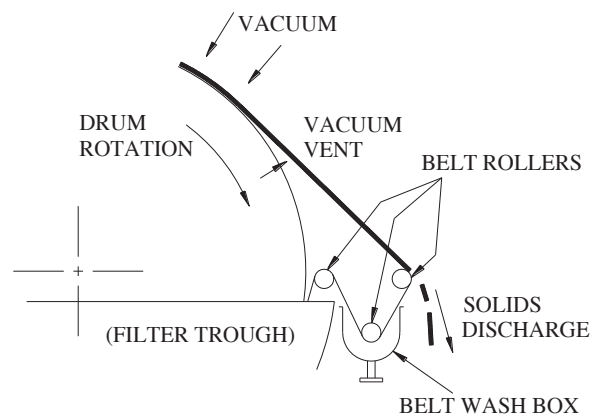
### The process

Rather than scraping the filter cake from the filter cloth, a robust belt conveys the filter cake away from the drum surface. After the solids are discharged, the filter belt is then washed and returned to the drum for its next cycle.

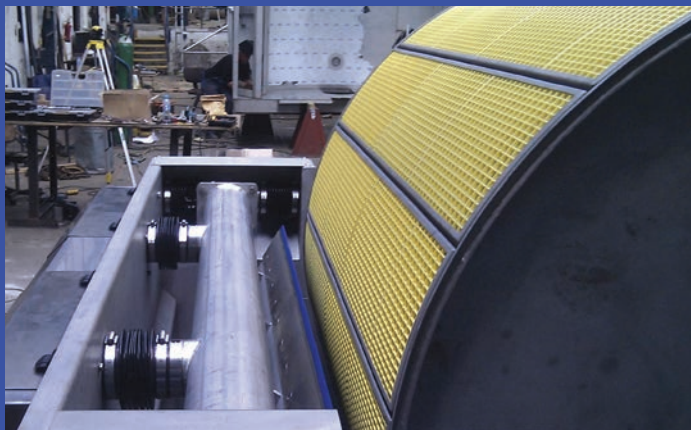
Every adjustable mechanism, from the washing system to the parts which operate the belt tension and tracking, are methodically set to meet the requirements of the specific filtration process.

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

- Chemicals
- Pharmaceuticals
- Cosmetics and pigments
- Foods
- Minerals



## *Other Discharge Options*



*Precoat Discharge*



*Roller Discharge*



*Scraper 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)

