

CONDENSER



MATERIAL COLLECTION

Air containing fiber and dust, is pulled through the fine mesh stainless steel screen covering the rotating drum. The material is captured by the screen and accumulates on the drum surface forming a mat which becomes an efficient filter media. The degree of filtration is proportionate to the mat thickness. The clean air exits from the filter through the center of the screen drum.

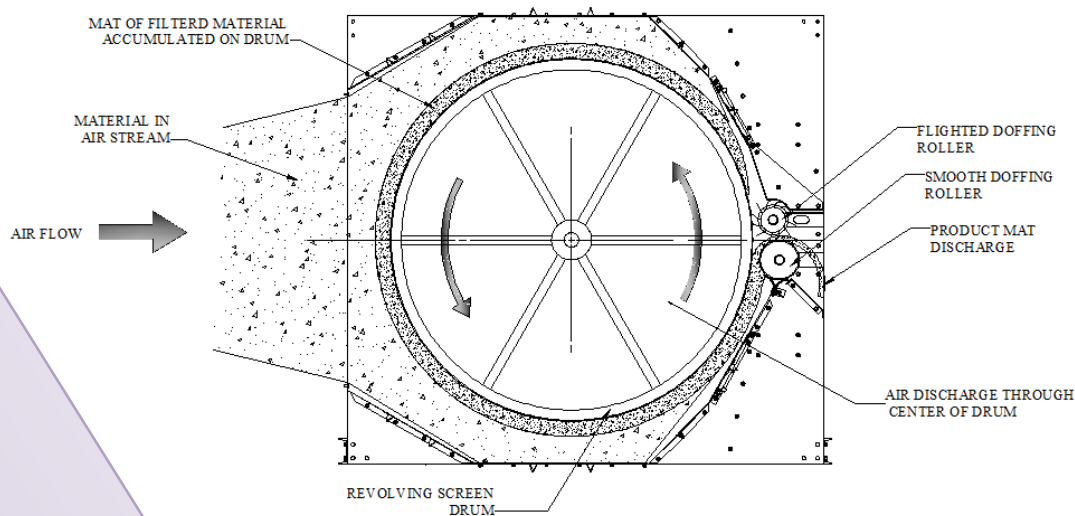
PRODUCT MAT DISPOSAL

The discharged material mat can be disposed of the following methods:

- The mat may be caught in a mobile waste cart and periodically transport to waste collection point.
- Removed by air evacuation system with automatically controlled air valve.
- Automatically baled by feeding material mat into a horizontal baler.

PRODUCT DOFFING

The screen drum does not rotate until the mat thickness increases sufficiently to cause pressure drop across the screen to activate an adjustable pressure switch which controls the start-run-stop operation of the filter. As the drum rotates, the product mat is compressed by the smooth doffing roller and is doffed from the screen, out of the filter, by the wiping action of the flighted doffing



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