



BOND INDEXING FILTERS



www.delkorglobal.com

Filtration Equipment

Developed to meet the needs of today's modern process industries, the Delkor Bond Indexing Filter incorporates features derived from Delkor's wealth of industrial experience in the field of solid / liquid separation.

The Delkor Bond Indexing Filter offers a reliable, cost effective and versatile solution for solids extraction and cake washing applications.

Using the principles of horizontal vacuum filtration, the microprocessor controlled Bond Indexing Filter allows true process optimisation under all conditions to ensure filtration and washing parameters are achieved. The microprocessor sequence controls not only provide flexibility to quickly adjust the filtration parameters, they also allow process integration within the site operating system.

Filtration takes place through a filter cloth supported on a stationary vacuum tray. The filter cloth is moved in increments along the vacuum tray by an electric drive.

When the filter cloth is stationary, vacuum is applied for a set time interval and then released. The process of cloth movement and vacuum application is repeated a number of times along the length of the vacuum filter to give an incremental movement of the filter cloth. During the cycle of movement the filter feed and required wash are applied to specific zones of the filter. Being microprocessor controlled, precise synchronisation of all movement, vacuum times, feed times and wash times is simply and quickly achieved.

Benefits

- Low capital cost
- Low maintenance requirements
- Low power consumption
- Easy to adjust microprocessor controls which can be linked to the main process computer
- Controlled cloth acceleration to prolong cloth life
- Variable stroke operation to eliminate filtrate carry over
- Accurate separation of primary and wash filtrates
- Single or multistage cake washing
- Co-Current or Counter Current washing
- Filter cloth washed on both sides
- Feed is applied above the filter cloth so that's sedimentation aids filtration
- Filter can be partially or completely hooded
- Cake compression modules available to produce drier cakes

Applications

- Pigment dewatering and washing
- Fine Chemical production
- Pharmaceuticals
- Gypsum Dewatering
- Fluorosilic acid
- Uranium – Yellow Cake
- General Chemical Process
- Process effluent dewatering
- Chemical Intermediates
- Salt dewatering and washing
- General solid / liquid separation

DELKOR

IT PAYS TO TALK TO A SPECIALIST



For further information, contact your regional Delkor office.

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- Delkor Belt Filters
- Ceramic Disc Filters (CDF)
- Automated Filter Presses
- **Bond Indexing Filters**
- Tipping Pan Filters
- Gravity Sand Filters
- Polishing Ceramic Filters