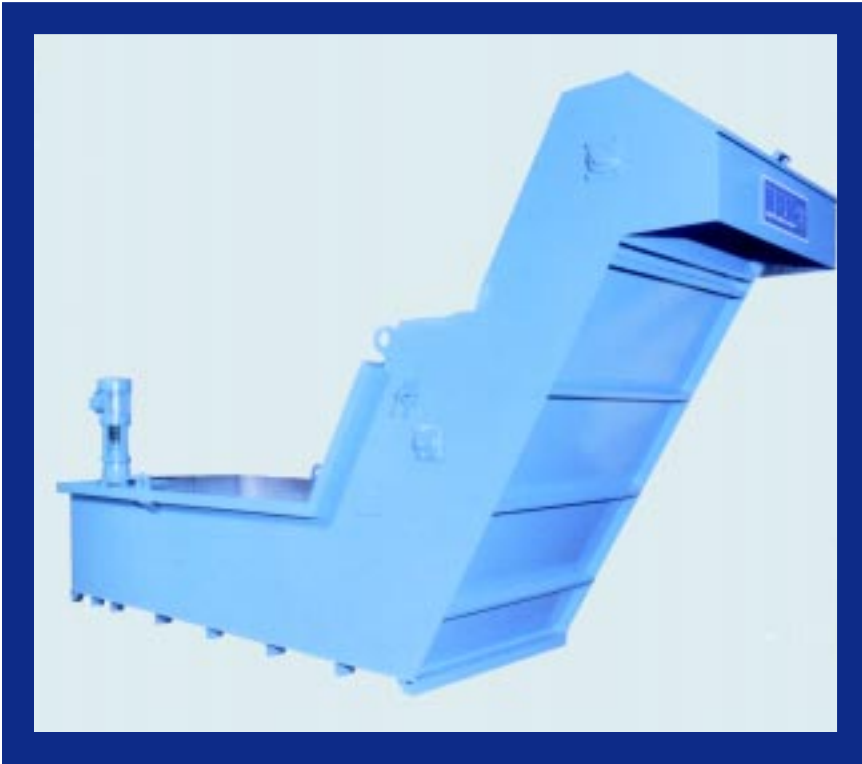


Dependable "Permanent" Media Filtration PMD



Endless Belt continuous filtration

Positively sealed filter bed assures virtually no by-pass of fines

HR Black proven belt media transport gives positive motion

Full width drag-out of contaminants

No risk of media cutting, tearing or wearing because conveyor does not ride on belt

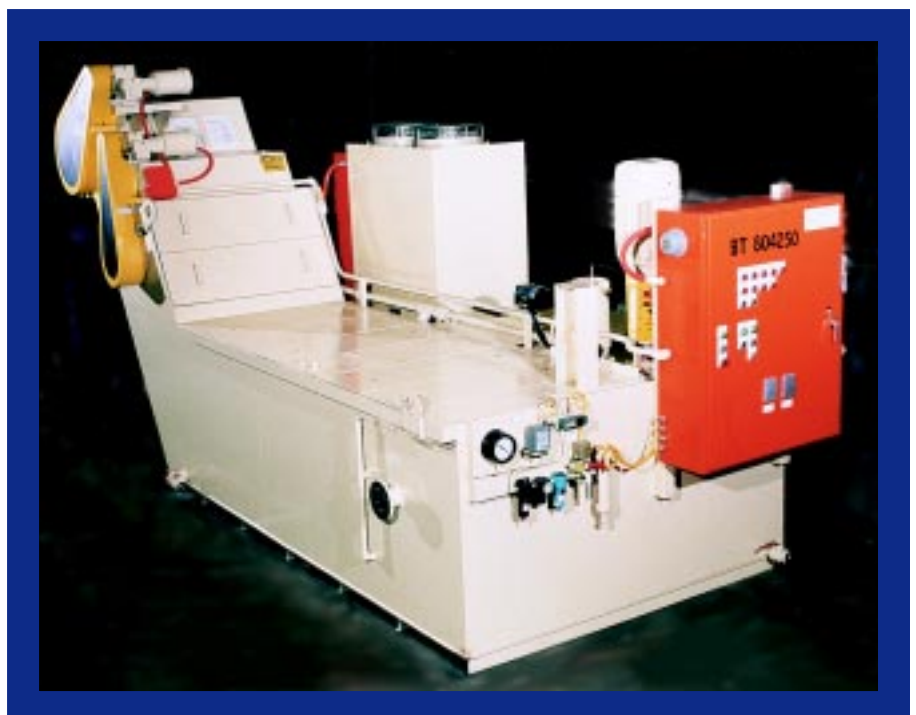
Shorter belt length saves cost and replacement time

In-tank belt return minimizes belt length and drying which can shorten belt life

In-tank belt wash eliminates floor leaks/drips

Quiescent belt wash area is ideal for removal of fines

Easy, no-tool-required screen assemblies for easy maintenance



Dependable "Permanent" Media Filtration PMD

Filter Mode

Contaminated liquid enters filter tank inlet duct "A."
Heaviest particles fall to chip drag "B" while lighter particles travel to vacuum box "C."
Flow is induced through media "D" which quickly builds a cake of particulate on it's surface. This cake enhances filtration. As the cake builds, the vacuum produced by the restriction is sensed by vacuum switch, which triggers "Index Mode."

Index Mode

Vacuum break valve "F" opens to relieve the vacuum. The belt is then indexed for several inches while the wash header "H" washes the remaining particulate into the settling area "I." After index, the filter returns to Filter Mode.

For vacuum release, either a segmented vacuum box ("E") or a separate clean tank ("G") can be employed, depending on the application.

Full Width Drag

The full width drag conveyor "B," and the media loop "D" operates simultaneously. Therefore, the drag operates only during index which produces the driest sludge, and the least wear.

