General Information of

IHI LEAF FILTER
IHI LEAF FILTER is one of the Pressurization type filter.

Not a vertical leaf like...

Filter Press
Open type, Not fully automatic

Vertical Leaf Filter
Not fully automatic, Unstable filtration
IHI LEAF FILTER

Horizontal, Closed and Fully automatic pressure filter!

General View

Nest

Filter Leaf
Filtrated solid = Cake
Cake remains all the leaf equally.

This is the proof of high efficiency cake washing by remained cake.

This is the proof of efficiency filtration by using all the leaf.
IHI LEAF FILTER

Over Flow

Filtered liquid

Raw Slurry

Pneumatic-operated Rubber Seal Valve

Cake discharge
- Fully Automatic Operation
- High Temperature and High Pressure is OK!
- Cake washing and Extraction
- Rest Volume Filtration System
- Sanitary Working Environment
- Stable Performance
Ancient time

Inefficient Filtration

Hard and long time work

Uncomfortable Environment
IHI LEAF FILTER

Fully Automatic Operation / Sanitary Working Environment / Cake washing and Extraction
The biggest weak point of the pressure filter was raw liquid of rest volume…

LEAF FILTER Solved the problem by using special internal circulation and cascade flow!!

Cascade Flow

Internal Circulation Flow

Cascade flow
By using every Filter Leaf, continuous and stable rest volume filtration will be done.

Liquid streams down lower along the Filter Leaf sequentially.

From the shower pipe, the rest volume liquid is supplied with filter leaf evenly.

Raw liquid tank empty. Air(N2) Pressurization start.

No rest volume raw liquid!
IHI LEAF FILTER

- Fully Automatic Operation
- High Temperature and High Pressure is OK!
- Cake washing and Extraction
- Rest Volume Filtration System
- Sanitary Working Environment
- Stable Performance
Value Up your company!

- Raise Up Job Efficiency
- Raise Up Quality
- Full-Automatic Operation
- Clean Working Environment
- Stable, Variable Performance. Extraction of products and collection

Value Up your company!