



FP-006 Single Belt Filter Press

## Single Belt Filter Press

The belt filter press is a continuous-feed dewatering device that applies chemical conditioning, gravity draining, and mechanical pressure to dewater sludge. The sludge/slurry is sandwiched between tensioned belts and rolls, by passing those belts through a serpentine of decreasing diameter rolls to remove the moistures and then dispose of the sludge cake.



### Purpose :

- Liquid/solids separation through pressure filtration.

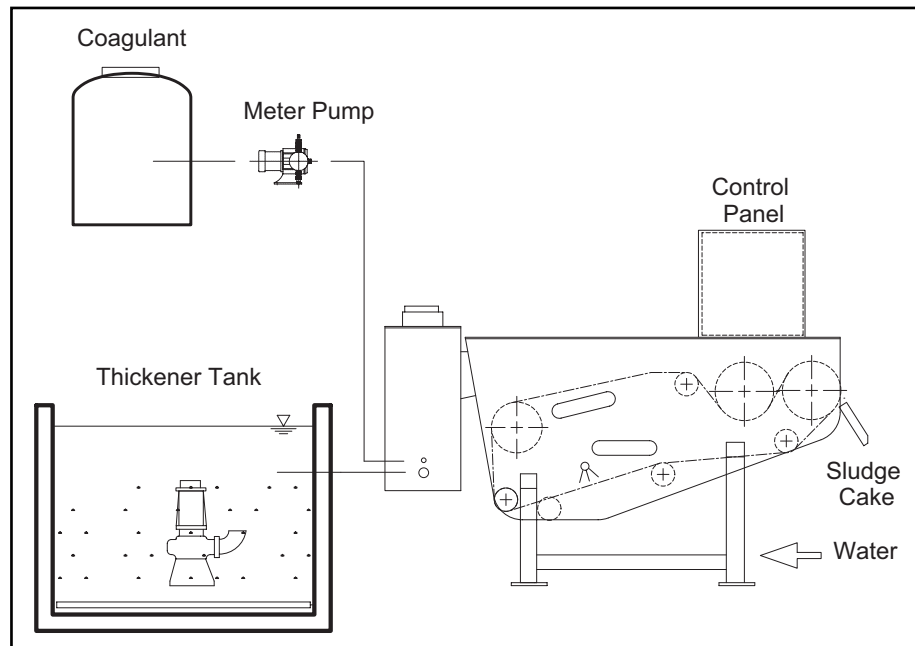
### Applications :

- Municipal Wastewater
- Food Processing Wastewater
- Poultry and Slaughtering Waste
- Pulp & Paper Wastewater
- Petrochemical Wastewater

### Features:

- › Single belt design:  
Single filter belt circulation is suitable for a small quantity application.
- › Low capital and O/M costs:  
Simple structures, less breakdown and easy to maintain.
- › Easy operation :  
Automatic operating while dewatering.
- › High applicability :  
Suitable for various slurry waste with coagulant/polymer additions.

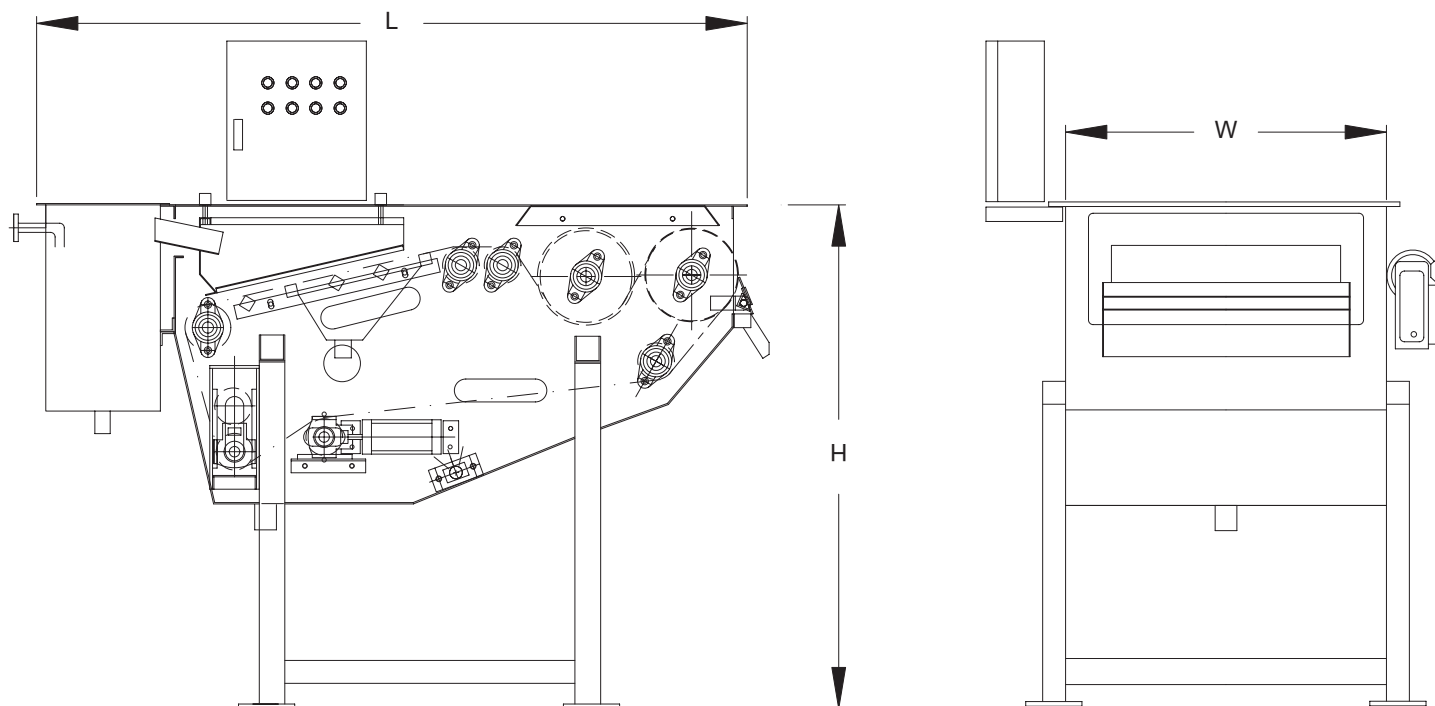
## Equipment Process



### Characteristics

- › Durable mainframe body is made of steel unity.
- › Circulated by only one filter belt.
- › Adjustable belt velocity from 1 m<sup>3</sup>/min to 9 m<sup>3</sup>/min.
- › Automatic belt alignment to adjust/correct the belt migration.

## Equipment Drawings and Section Views



## Single Belt Filter Press

### Specifications

Model	FP500-S	FP700-S	FP1000-S
Belt Width (mm)	500	700	1000
Capacity (T / hr)	0.4-0.8	0.5-1.0	0.6-1.2
D.S. (Kg / hr)	6-12	7-14	8-16
Compressor (HP)	×	0.5	1.0
Driver Motor (HP)	0.5	0.5	0.5
Wash Pump (HP)	1.0	2.0	3.0
Mixer (HP)	1/2	1/2	1/2
Dim. LxWxH (mm)	1500×800×1100	1500×1000×1100	1500×1100×1100
Weight (Ton)	0.35	0.45	0.55

