



FP-004 ID Type Plate Filter Press

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In the plate filter press, dewatering is accomplished by forcing the water from the sludge under high pressure. The sludge is pumped into the filter press chambers and the filtrate is pressed through the filter clothes as pumping pressure increases. The dewatered sludge is retained inside the press chambers and moved as the sludge cake after a press run.



### Purpose :

- Liquid/solids separation through pressure filtration

### Applications :

- Stone/Clay/Ceramic Processing Industry
- PC Board Industry/Electroplating Industry
- Solvents and Process Solution Clarification
- Reduction of Metal Finishing Waste
- Oil Field Slurry

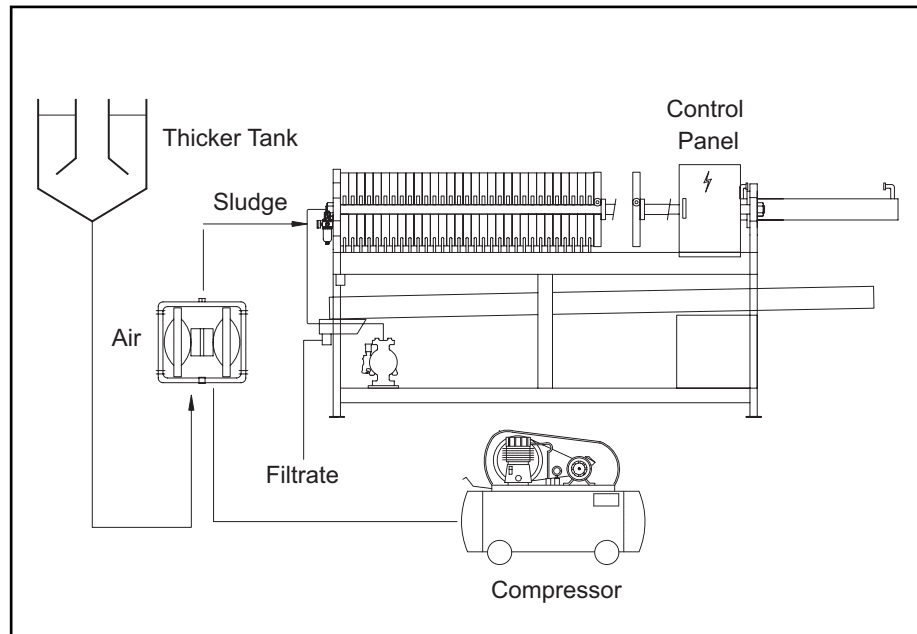
### Features:

- › Mobile and integrated modular design
- › No chemical additives/polymer needed
- › The pressed sludge cake is collected by conveyors and transported to the dedicated location/storage
- › Applicable to various sludge and processing applications

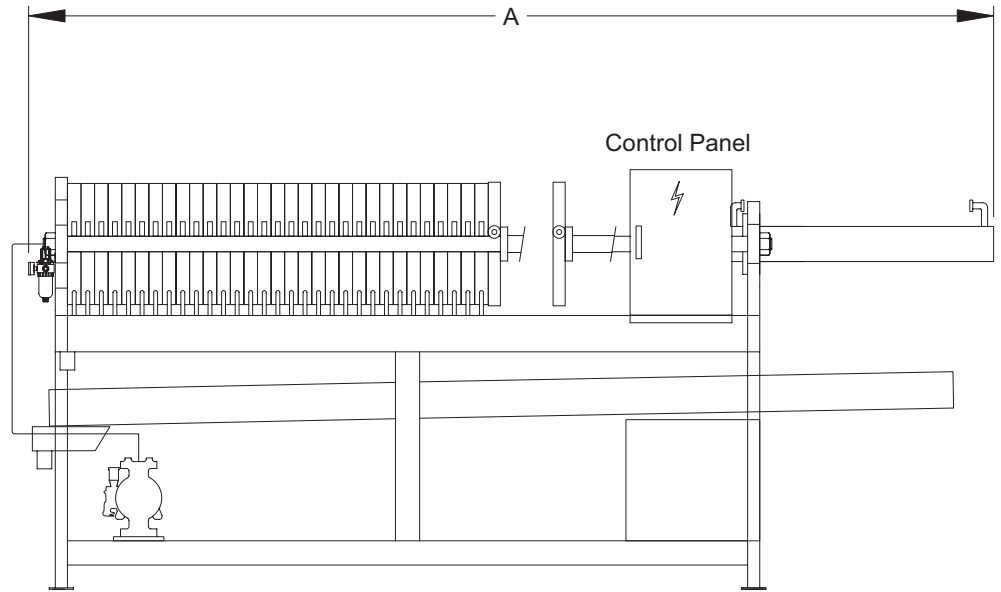
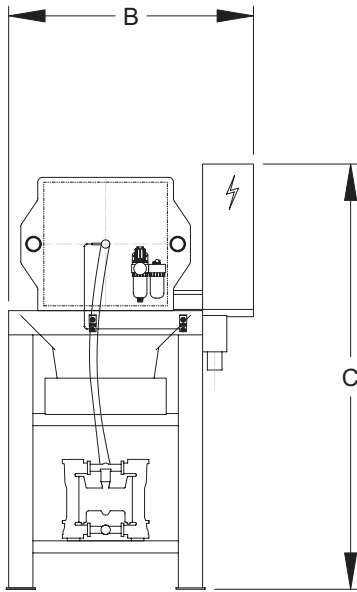
### Characteristics

- › Stationary plates and movable plates are made of durable steel unity.
- › The pull rods at both sides with fixed end by screw are constructed of medium carbon round bar steel, which can adjust the clearance by itself according to the pressure, without the worries of stress concentration and cracks of welding point.
- › The main frame is constructed of carbon steel and all structural steel is sand blasted, primed and painted with corrosion resistant epoxy coating.
- › Oil hydraulic system is equipped with check valve, oil system magnetic valve control, oil pressure control switch and recycle-oil device.
- › Filter plate enclosed oil tank is made of seamless steel tube with the maximum pressure up to 350 kg/cm<sup>2</sup>.

## Equipment Process



## Equipment Drawings and Section Views



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### Specifications

Model	Chamber (No)	Filter Area (m <sup>2</sup> )	Filter Volume. (L)	Power (HP)	Dimensions A×B×C (mm)
ID-50-10	10	4.7	63.4	Oil Pressure : 3	2830 × 950 × 1500
ID-50-15	15	7.0	95.2		3100 × 950 × 1500
ID-50-20	20	9.4	126.9		3380 × 950 × 1500
ID-50-25	25	11.7	158.7	Convey : 0.5	3655 × 950 × 1500
ID-50-30	30	14.0	190.4		3930 × 950 × 1500
ID-50-40	40	18.8	253.8	Compressors : 3	4480 × 950 × 1500
ID-80-15	15	13.2	219	Oil Pressure : 3	3280 × 1300 × 2000
ID-80-20	20	17.6	292		3550 × 1300 × 2000
ID-80-25	25	22.0	365	Convey : 1	3830 × 1300 × 2000
ID-80-30	30	26.4	438		4100 × 1300 × 2000
ID-80-40	40	35.2	584	Compressors : 5	4650 × 1300 × 2000

