

Plate and frame filter press - model 4D



Volume: up to 20 filter sheets

Montage: on bench

Material: stainless steel 316L

Standard height: 9.8" (0.25 m)

Standard width: 7.9" (0.20 m)

Available length: 9.8 – 19.7" (0.25 – 0.5 m)

Plate dimensions: 4 in² (103 mm)

Plate and frame filter press - model EFS



Volume: up to 50 filter sheets

Montage : cart mounted

Material: stainless steel 316L

Standard height: 39.39 in (1 m)

Standard width: 17.72 in (0.45 m)

Available length: 29.5 – 78.7 in (0.75 – 2.0 m)

Plate dimensions: 12 in² (305 mm)

Perfect separation of solid particles from liquid.

Plate and frame filter presses are an excellent solution for precise filtration of suspensions, particularly in industrial applications where an efficient and reliable solid-liquid separation process is required.

A plate and frame filter press consists of filter plates (made of PVC, polypropylene, or stainless steel) and frames, which together form the filtration chambers. Each plate features filtration channels on one side, through which the filtered liquid passes. The plates are arranged alternately with frames, creating filtration spaces where the solid material (known as the filter cake) accumulates.

The plates are sealed in such a way that the flow of liquid and solids is carefully controlled, preventing any leakage of solid particles. This setup ensures efficient, contained, and consistent filtration performance.

FEATURES

- Excellent solid-liquid separation capability, especially for dense suspensions.
- Easy to operate and maintain.
- Suitable for use across a wide range of industries.
- High efficiency in producing dry filter cake.
- High reliability and long service life.

APPLICATION

- Improving product clarity in the food industry
- Pressing of vegetable oils
- Beer and wine production
- Production of antibiotics and vaccines
- Purification of crude oil and by-products
- Industrial water filtration
- Dewatering of sewage sludge
- Dewatering of paper pulp
- Filtration of dyes and chemicals
- Cell and protein separation in biotechnology