

Filter press is a separation process, specially employed by solid/liquid separation using the principle of pressure drive, provided by a slurry pump. Filter press is a fixed volume and batch operation, which simply means that the operation must be stopped to discharge the filter cake before the next batch can be started.

The major components of filter press are skeleton and filter pack. The skeleton holds the filter pack together while pressure is being developed inside filter chamber. It however can only hold a specific volume of solids.

### **Types of filter presses**

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There are three main basic types of filter presses:

Plate and Frame filter press,

Recessed plate and frame filter press and

Mixed Recessed plate with Membrane filter press.

Full Membrane filter press.