



FAURE
ÉQUIPEMENTS
ΕΠΙΒΕΒΕΜΕΝΤΣ
ΕΥΡΩΠΕ

Automatic Filter Presses

OUR EXPERIENCE

Advantages:

- ◆ Runs 24h/24 without operator intervention
- ◆ Reduced capital and operating costs
- ◆ Less space required
- ◆ Integration into continuous automatic processes
- ◆ Simple, robust and reliable

We are standardising our range of automatic filter presses in response to our customers' productivity requirements.

With an automatic filter press, the process cycles follow each other without the intervention of an operator, particularly in the cake discharge phases.

An automatic filter press dewatering plant not only has an automatic filter press but also an optimised sludge conditioning line and feed pumps selected and sized by us.

Automatic filter presses have:

- A plate-shaking system which detaches firmly adhered cake.
- A plate-weighing system for automatic control of the release of the cake.

This simple and inexpensive solution leaves the cloths untouched and ensures that they remain intact.



Automatic cake discharge boom



Cake discharge



Automatic cake storage

TYPES OF AUTOMATIC FILTER PRESS



We supply two types of automatic filter press:

- **Short FPs:**

The plates are chained together and a cam shaft shakes the whole pack. These filters are intended primarily for short filtration cycles (suspended matter of mineral origin).

- **Standard FPs:**

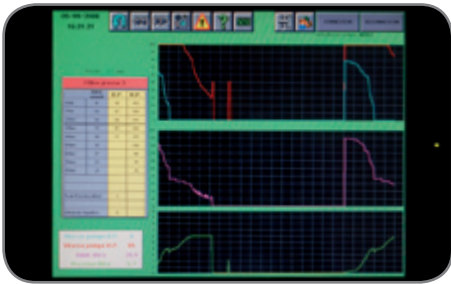
The plates are shaken and the cake released from them individually. The shaking system is mounted on a boom connected to the discharge system. These filters are suitable for long filtration cycles (suspended matter of organic origin).

- **Principle of automatic control by weight:**

Release of the cakes is controlled by weight, either of the whole plate pack, or of each plate, depending on the type of filter press.

If the automatic system detects that the tare weight (weight of the empty plate) has been exceeded, this means that there is a cake which has not been discharged. The shaking system is then activated.

Membrane plate technology is generally used for automatic filter presses. In fact, this technique produces optimal results in terms of dryness, cake quality and productivity (dryness, homogeneity, discharge).



TECHNICAL PROPERTIES

The benefits of automatic filter presses are evident from the numerous references available. Automatic filter presses can be used for all types of sludge (organic and mineral) in quantities from 20 kg to 100 t of suspended matter per day.



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