

1000

Automatic Filter Press



Use

- The 1000 automatic filter press can be used in various sectors where dewatering of liquid sludge is required
- The 1000 filter press combines all the devices necessary for sufficient dewatering of sludge; guaranteeing high performance and a compact layout
- The filter carries out all its functions in fully-automated mode and minimizes the intervention of the operator

Main Characteristics

- Structure in Sa. 2.5 sand-blasted carbon steel, including hot, pure zinc coating and epoxy painting
- Side-filtered water collection channel in AISI 304 stainless steel (also available in other materials upon request)
- Handles in aluminium alloy, screwed onto the plates and easily replaceable
- Water outlet couplings in AISI 304 stainless steel (also available in other materials upon request)
- Molded, top-quality polypropylene filter plates without irregularities
- Technical filtering fabrics available in various materials with differing levels of permeability
- Electric switchboard compliant with the CEI EN 60439-1 EN standard, complete with PLC and graphic display with touch screen operator interface
- Casing, guards and safety devices compliant with the EN 60204-1 EC standard and subsequent integrations
- Automatic cloth washing system (optional) for thorough cleaning of the filter cloths

Physical/Operating Characteristics

Dimension	Imperial	Metric
Operating length	19' 7" - 25' 4"	6 - 7.75 m
Operating width	5' 4"	1.65 m
Operating height	6' 4"	1.95 m
Empty weight	9,921 - 13,448 lb	4,500 - 6,100 kg
Operating weight	10,582 - 16,535 lb	4,800 - 7,500 kg
Operating pressure	73 - 102 psi	5 - 7 bar

Power

Dimension	Voltage/Kilowatts
Standard power supply voltage	400 V
Standard power supply frequency	50 Hz
Minimum power requested at electrical switchboard	30 kW
Oil-pressure control unit motor	4 kW
Plate beater	.75 kW
Sludge pump	18.5 kW
Seal cooling pump	.25 kW
Class of motor protection	IP 55 kW

Production Data

Dimension	Imperial	Metric
Filtering plate	3' 3" x 3' 3"	1 x 1 m
Number of filtering plates	15 - 31	15 - 31
Std panel thickness	1" 1 ³ / ₄ "	30 - 45 mm
Pressed sludge production	97 - 248.5 gallon/cycle	368-941 liter/cycle
Filter plate surface area	17.8 - 20 ft ²	165 - 185 m ²
Filter chamber volume	7 / 11 gal	27 / 40.5 L

* Also available for non-standard voltages, frequencies and power ratings.

