

800

Automatic Filter Press



Use

- The 800 automatic filter presses can be used in various sectors where dewatering of liquid sludge is required
- The 800 filter press combines all the devices necessary for sufficient dewatering of sludge, guaranteeing high performances and a compact layout
- The filter press carries out all its functions in fully-automatic 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 painting
- Side-filtered water collection channel in AISI 304 stainless steel (also available in other materials upon request).
- Handles in aluminum 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 CEI EN 60439-1 EN standard, complete with PLC and graphic display with interface
- Casings, guards and safety devices compliant with EN 60204-1 EC standard and subsequent integrations

Physical/Operating Characteristics

Dimension	Imperial	Metric
Operating length	9' 8" - 16' 4"	3 - 5 m
Operating width	4' 1"	1.25 m
Operating height	5' 6"	1.7 m
Empty weight	4,189 lb	1,900 kg
Operating weight	5,512 - 7,716 lb	2,500 - 3,500 kg
Operating pressure	51 - 102 psi	3.5 - 7bar

Production Data

Dimension	Imperial	Metric
Filtering plate	2' 6" x 2' 6"	.8 - .8 m
Number of filtering plates	8 - 15	8 - 15
Std panel thickness	1" - 1.8"	30 - 45 mm
Pressed sludge production	40 - 91 gallon/ cycle	150 - 346 liter/ cycle
Filter plate surface area	11.3 - 12.2 ft ²	105 - 113 m ²
Filter chamber volume	4/6.5 gallon	16.5/24.7 liter

Power

Dimension	Voltage/Kilowatts
Standard power supply voltage	400 V
Standard power supply frequency	50 Hz
Minimum power requested at electrical switchboard	20 kW
Oil-pressure control unit motor	1.5 - 3 kW
Plate beater	.37 kW
Sludge pump	15 - 18.5 kW
Seal cooling pump	.25 kW
Class of motor protection	IP 55 kW

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