

1300

Automatic Filter Press



Use

- The 1300 of automatic filter press can be used in various sectors where dewatering of considerable flows of liquid sludge is required
- The 1300 filter press combine all the devices necessary sufficient dewatering of sludge; guaranteeing high performance and a compact layout
- The filter carries out all its sequences 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 channels in AISI 304 stainless steel (also available in other materials upon request)
- Handles in aluminum alloy, screwed onto the plates and easily removable
- Water outlet couplings in AISI 34 stainless steel (also available in other materials upon request)
- Molded, top-quality polypropylene filter plates without irregularities
- Technical filtering fabrics (upper and lower cloths) available in various materials with differing levels of permeability
- Electric switchboard compliant with the CEI EN 30439-1 EN standard, complete with PLC and graphic display
- Fixed upper and lower tunnel casing in AISI 304 stainless steel for full protection of the plate stack
- FPSA 1300 automatic cloth washing system (optional) for thorough cleaning of the filter cloths

Physical/Operating Characteristics

Dimension	Imperial	Metric
Operating length	24' 9" - 48'	7.6 - 14.65 m
Operating width	6' 8" - 48'	2.07 - 14.65 m
Operating height	8'	2.45 m
Empty weight	18,739 - 40,786 lb	8,500 - 18,500 kg
Operating weight	26,455 - 40,785 lb	12,000 - 18,500 kg
Operating pressure	87 - 174 psi	6 - 12 bar

Production Data

Dimension	Imperial	Metric
Filtering plate	4'3" x 4'3"	1.3 x 1.3m
Number of filtering plates	15 - 75	15 - 75
Std panel thickness	1" 1¾"	30 - 45mm
Pressed sludge production	251 - 1,083 gallon/cycle	950 - 4,100 liter/cycle
Filter plate surface area	31.8 - 32.9ft ²	295 - 306m ²
Filter chamber volume	12/18 gal	45/67.5 L

Power

Dimension	Voltage/Kilowatts
Standard power supply voltage	400 V
Standard power supply frequency	50 Hz
Minimum power requested at electrical switchboard	30 - 40 kW
Oil-pressure control unit motor	5.5 - 7.5 kW
Plate beater	1.5 - 2.2 kW
Sludge pump	18.5 - 30 kW
Seal cooling pump	.25 kW
Class of motor protection	IP 55 kW

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