

# 630

## Automatic Filter Press



### Use

- The 630 automatic filter press can be used in various sectors where dewatering of limited flows of liquid sludge is required
- The 630 filter press combines all the devices necessary for sufficient dewatering of sludge, guaranteeing high performance and a compact layout
- The filter press 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 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 material 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 touchscreen operator interface
- Casing, guards and safety devices compliant with the EN 60204-1 EC standard and subsequent integrations

### Physical/Operating Characteristics

Dimension	Imperial	Metric
Operating length	7' 7"	2.35 m
Operating width	3' 4"	1.05 m
Operating height	4' 6"	1.45 m
Empty weight	1,874 - 2,028 lb	850 -920 kg
Operating weight	2,205 - 2,315 lb	1,000 - 1,050 kg
Operating pressure	43.5 - 58 psi	3 - 4 bar

### Production Data

Dimension	Imperial	Metric
Filtering plate	2'1" x 2'1"	.63 x .63m
Number of filtering plates	4 - 10	4 - 10
Std panel thickness	1.8"	45mm
Pressed sludge production	12 - 24 gallon/cycle	45 - 90 liter/cycle
Filter plate surface area	6.03 - 7.1 ft <sup>2</sup>	56 - 66 dm <sup>2</sup>
Filter chamber volume	2.5/4 gal	9.5/15 L

### Power

Dimension	Voltage/Kilowatts
Standard power supply voltage	400 V
Standard power supply frequency	50 Hz
Minimum power requested at electrical switchboard	10 kW
Oil-pressure control unit motor	.75 kW
Sludge pump	7.5 kW
Seal cooling pump	.25 kW
Class of motor protection	IP 55 kW

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