

FPTA 1620



Automatic Overhead Beam Filter Press with 4 Cylinders

Use

- The FPTA 1620 automatic filter press can be used in various sectors where dewatering of considerable flows of liquid sludge is required
- The FPTA 1620 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 sequences in fully-automated mode and minimizes the intervention of the operator

Main Characteristics and Accessories

- Structure in Sa. 2.5 sand-blasted carbon steel, including hot, pure zinc coating and epoxy painting
- Lower hydraulic drip tray for collection of filtered water
- Patented multi-purpose trolley for plate opening and maintenance
- High efficiency washing system with pressurizes water system skid
- High thickness, top-quality polyethylene filtering plates
- 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.
- Protection systems and safety devices compliant with 2006/42/CE

Physical/Operating Characteristics

| Dimension | Imperial | Metric |
|--------------------|---------------------|--------------------|
| Operating length | 37' 7" - 57' 4" | 11.5 - 17.5 m |
| Operating width | 8' | 2.45 m |
| Operating height | 10' 3" | 3.15 m |
| Empty weight | 72,753 - 105,822 lb | 33,000 - 48,000 kg |
| Operating weight | 90,390 - 138,891 lb | 41,000 - 63,000 kg |
| Operating pressure | 145 - 232 psi | 10 - 16 bar |

Power

| Dimension | Voltage/Kilowatts |
|---|-------------------|
| Standard power supply voltage | 400 V |
| Standard power supply frequency | 50 Hz |
| Minimum power requested at electrical switchboard | 70 - 90 kW |
| Oil-pressure control unit motor | 11 kW |
| Sludge pump | 37 - 55 kW |
| Seal cooling pump | .25 kW |
| Class of motor protection | IP 55 kW |

Production Data

| Dimension | Imperial | Metric |
|----------------------------|----------------------------|----------------------------|
| Filtering plate | 5' 3" x 5' 3" | 1.62 x 1.62 m |
| Number of filtering plates | 80 - 140 | 80 - 140 |
| Std panel thickness | 1" 1¾" | 30 - 45 mm |
| Pressed sludge production | 1,310 - 3,302 gallon/cycle | 4,960 - 12,500 liter/cycle |
| Filter plate surface area | 48 ft ² | 4.46 m ² |
| Filter chamber volume | 17 - 25 gallon | 62.8 - 94 liter |

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