



PLANTS FOR THE PROCESSING OF BY-PRODUCTS OF SLAUGHTER

» Continuous single screw press type ACT P10FS - P20FS - P40FS



Characteristics

The originality of our design consists in the automatic regulation of the moving conical stem, actuated by a hydraulic patented electronic control system; this allows the separation of oils and fats from the solid part in order to obtain an output product with minimum fat residuals: approx. 8-10%.

Its sturdy construction and the use of special treated steels for wear-subject parts permits to process any type of product; this is due to oversized mechanical parts with the capacity to bear power of 37 KW for ACTP10FS; 55 KW for ACTP20FS; 110 KW for ACTP40FS.

The average capacity is more than 1000 Kg/hr for the ACTP10FS; 2000

Kg/hr for the ACTP20FS; 4000 Kg/hr for the ACTP40FS. The above features permit the following performances:

- Instantaneous regulation of pressure and sensibility on a prefixed value.
- Reduction of possible breakdowns.
- Reduction of maintenance activities and manpower.
- Increase of production because of low down-time.
- Allows a constant and homogeneous product.

The automatically operating hydraulic system is composed by two double acting cylinders, which actuate a semiconical stem.

This system contrast the exit of solid

residuals contained in the cage in order to obtain a better separation of the oil for a product with a minimum residual oil.

In order to obtain an automatic pressing regulation we operate on the solenoid valves placed on top of the hydraulic control box coupled in series with a potentiometer connected to the power supply of the main motor.

This system allows the equilibrium between the amps absorbed and the pressure against the conical stem in order to control the opening of the discharge of solid product.

The implemented electronic system allows a differentiated sensibility according to production necessity.

Receiving hoppers
Conveyor belt with metal detector
Shredder
Bone crusher
Mincer
Elliptical rotor pump
Screw conveyor
Pneumatics conveyor
Continuous/Discontinuous hydrolizer

Discontinuous cooker sterilizer
Continuous cooker
Continuous pre-heater
Continuous dryer
Air and water condenser
Continuous single screw press
Continuous double screw press
Feather and bristle press
Line for blood coagulation

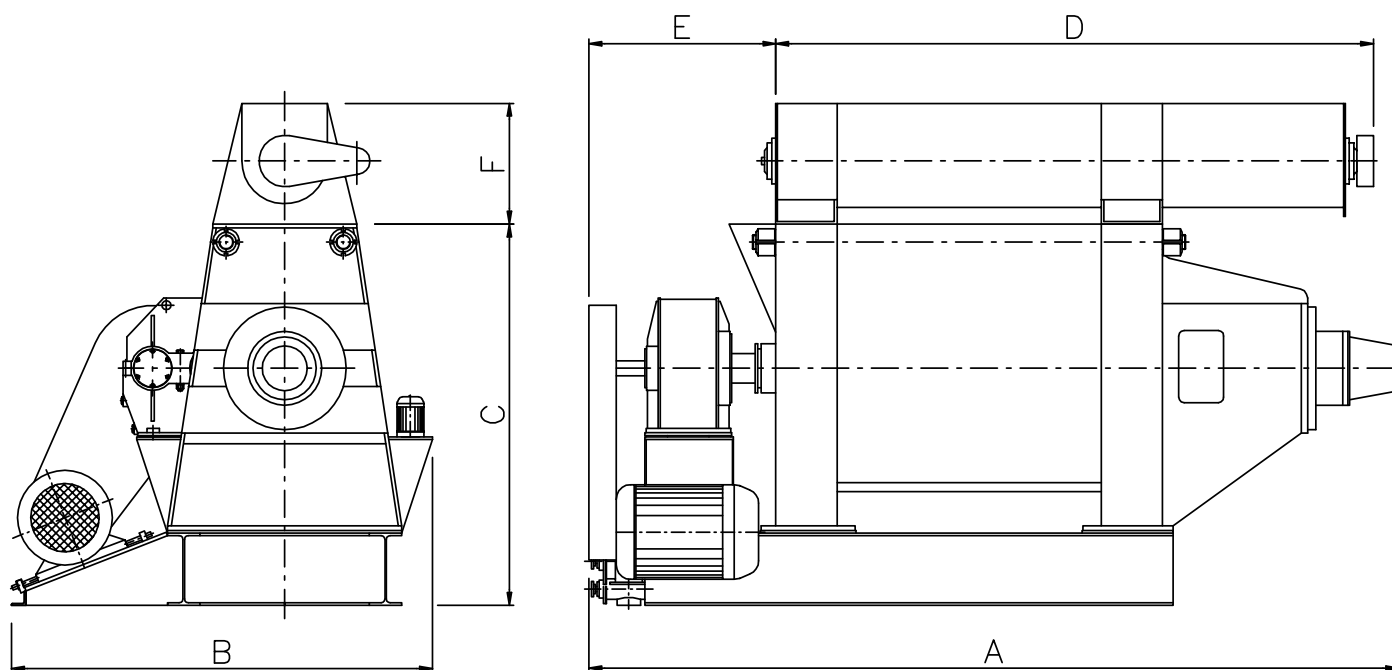
Continuous cooler for meal
Mixer
Hammer mill
Vibrating separator
Solids and liquids storing silos
Electrical panel
Scrubber system
Steam generator
Evaporators



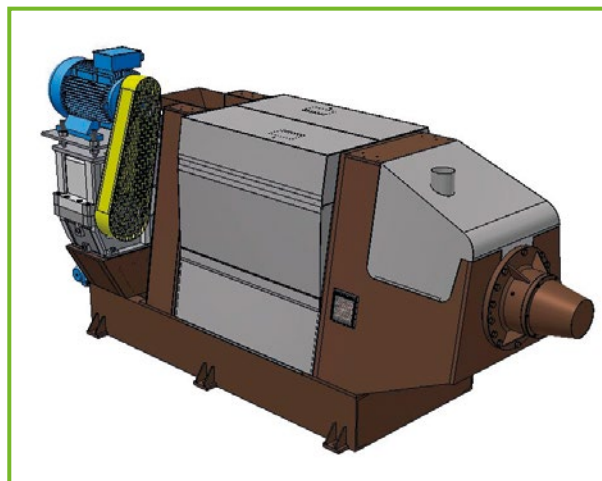
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Technical data

A few technical capacity data and dimensional



ACT	P10FS	P20FS	P4FS
Capacity (Kg/h)	1000	2000	4000
Power (KW)	30/37	30/55	75/110
A mm	3700	4000	4900
B mm	1500	1600	1805
C mm	1650	1860	2350
D mm	1400	1570	2000
E mm	2380	2600	3500
F mm	1150	1020	1050



The dimensions and datas are purely indicative. The constructor reserves itself the right to modify them, in case thecnical-functional needs require it.

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