

M101006

STUNNING SYSTEM BY CO2 MECO-21 S ELEVATOR

Description:

Machine designed for pork stunning process by CO₂. This machine comprises an elevator with a side entry, with capacity for 120 pigs per hour (100 kg each animal). It incorporates a single basket of pigs, which is filled laterally one by one thanks to a tunnel of conduction (the acquisition of the Mecanova's tunnel of conduction for pigs is recommended for a better dosage and loading of each basket). The machine includes a sectional access door. It is tractioned by an electric gearmotor, bringing the animals to the point of stunned. The exit is frontal. The dimensions of the basket allow cycles of 5-6 pigs of 100 kg in it.

The descent and turning of the basket is guided all the time. The turning is mechanical, which provides great reliability. The machine incorporates a counterweight, which significantly reduces the load on the engine.

The machine complies with all safety requirements for handling with locking access doors and a pump for the quick gas extraction.

Incorporates:

- Electrical protection and control panel, as well as gas and time data meter and recorder according the European Animal Welfare Regulation CE No. 1099/2009 of the European Council
- Independent gas measurement and control panel, gas heating system 20° - 30°
- 5 "screen with indication of the percentage of the time spent at maximum concentration, as well as light and acoustic warnings if the gas concentration drops the percentage recommended by the Animal Welfare regulations



Advantages of the equipment:

- Easy to fit into existing installations, as it requires little space, thanks to its side entry
- Robust equipment that requires low maintenance
- Easy control of exposure times



Technical Data

- Structurally made of S275 JR steel finished in hot galvanized
- Drive axles in F125 with flexible couplings to avoid breakage
- 7.5 kw gear motor
- 750 kg concrete counterweight
- Number of baskets: 1
- Pneumatic access control door
- Down ladder for maintenance
- Maintenance access door with security lock
- Light and acoustic safety indicator
- 0.75 kW sludge extractor and crusher pump
- Emergency gas extraction pump
- Protection and central electrical panel which includes
 - PLC
 - Mecanova software with 3 production modes
 - CO2 data logger according to European regulations
 - Variable frequency drive, which allows optimal operation
 - Information screen of gas percentage and times for the operator and the veterinary, with a CO2 percentage and time of exposure
- Consumption: 275 - 300 grams per pig, depending on size
- Information obligations of the manufacturer according to the EC regulation No. 1099/2009



NOT INCLUDED:

- Exit idler roller ramp
- CO2 outlet table
- Tunnel of conduction
- CO2 tank
- Vent pipe
- Pit excavation site and masonry for support plinths (if included in the construction plans)
- Unloading and assembly crane
- CO2 extraction pipe to the outside of the building

Demonstration video:

https://youtu.be/P3fDYY_vdbE



