

M111005 PIG STUNNING BOX

Description:

The immobilisation of pigs for stunning requires boxes designed for this task, in compliance with animal welfare regulations.

This equipment requires a separate tunnel of conduction, and a subsequent bleeding table. For the stunning process itself, electrical equipment with impedance control and data recording that complies with regulations is recommended. The animal enters the box from the tunnel through a sliding or sectional door, which opens individually onto the box. The box does not have a built-in base, so the floor is concrete, as is the tunnel ramp, providing safety and relaxation for the animal. This facilitates entry, stunning, and subsequent exit and cleaning of the area.

The design of the equipment allows the animal to be restrained by a pneumatic side door controlled by the operator, who presses it, immobilising the animal.

The Mecanova box allows easy access to the stunning points with tongs. Once the electric shock has been administered, the animal can be removed quickly thanks to the fact that the same door that immobilises it is raised, releasing it and allowing it to fall onto the bleeding table.



Technical Data:

- Production capacity of 180 pigs/hour, for animals weighing between 50 and 150 kg.
- Structurally constructed with 60x40x2mm tubing and 5mm thick AISI 304 stainless steel sheet.
- Anchored to the floor using 12mm thick stainless steel plates with 12 threaded rods of Φ 14mm.
- Drive shaft made of solid 40x40mm steel, with 12mm thick double levers. Timken brand UCP208 stainless steel bearings with plastic housings.
- Immobilization movement and exit door controlled by a Metalwork brand Φ 125mm double-acting pneumatic cylinder. Central closed-center valve.
- Sectional steel door made of 100x40x2mm tubing with a 1000 denier polyethylene sliding guide and a 20mm thick Teflon door with a stainless steel protective plate to prevent injury to the animals. This door is operated by a Φ 63mm pneumatic cylinder with a 900mm stroke.
- The equipment is designed and manufactured without sharp edges that could injure the animal and has a glass bead blast finish.
- The equipment is controlled by a pneumatic control panel with IP66 protection. The valves are Metalwork brand, and it is equipped with an air pressure control unit, a dryer, and a lubrication oil reservoir.
- Operating pressure: 6 bar

DEMOSTRATIVE VIDEO 1

DEMOSTRATIVE VIDEO 2



Documentation

The following documentation will be delivered with the machine:

- CE Warranty Certificate
- User and Maintenance Manual
- Recommended Spare Parts List
- Referenced Drawings of Machine Parts for the Maintenance Department
- Electrical and/or Hydraulic Schematics



