

ART. RobSet 11 - STUNNING DEVICE



IN COMPLIANCE WITH
EC
REGULATIONS ON
ANIMAL SLAUGHTERING

Special features

General information

This electronic equipment is produced in compliance with paragraph 5.5.1 of EN 292-2 standards. The information in the operation and maintenance manual was compiled according to paragraphs 5.5.2 and 5.5.3.

Description

This device is used to supply electrical power to and to control the stunning tongs that are connected to the device. These tongs are used to stun animals (pigs, sheep, poultry) before slaughter.

The large control panel with transparent door and two sturdy handles for opening the door, contains a heavy-duty isolation transformer with primary connected to the power mains (230 VAC) and secondary with voltage exceeding 200 V connected to the stunning tongs. The transformer is powerful enough even to stun cows and bulls.

The output current to be applied to the animal is controlled with a knob on this electronic apparatus, which was specifically designed and built for its purpose. The output current is read out on a large display, and the voltage and current which actually travel between the electrodes on the tongs appear on two other displays that are clearly visible on the front of the control panel.

The panel is designed for indoor installation. Special brackets are furnished for mounting the unit and for connecting it to the power mains. An electrical system with only average capacity is enough to power the unit.

This stunning device is equipped with an electronic circuit board whose function is to cause electronarcosis in animals.

To comply with specific European standards, the board has microprocessor-controlled digital circuitry with the following features:

- A single board incorporating both the logic and power sections, which can be swapped out for maintenance purposes or in case of malfunction;
- Separate displays for the simultaneous readout of stunning voltage, stunning current and programmed current: these values are clearly visible on the front of the unit;
- Timer/second counter, which can be disabled by turning a handle;
- Preliminary evaluation of the voltage value that is suitable for stunning the type of animal being stunned: a partial low voltage is applied which is switched off to prevent stunning if the programmed value is not reached;
- Programming of stunning current on two scales to suit different types of animals to be slaughtered, with automatic maintenance of the programmed value even if the electrical parameters of the animal vary;
- Storage of slaughters performed and downloading of the relative data through a 9-pole port;
- Indication of stunning in progress;
- Flashing light indicating that tongs are ready for stunning;
- Signal of device shutdown;
- Auto-stop function, with manual reset, when mains power fails.

The control panel is double-insulated to guarantee safety.

This equipment meets the requirements contained in Directive 93/119/EC and subsequent 1099/2009 EC.