

ROTARY RITUAL BOX FOR CATTLE

Description:

The ritual rotary box is a machine designed for the ritual slaughter of cattle. It is an individual model, which means it works from animal to animal. The box has several systems for pushing, narrowing and holding the animal, performing the following process:

1. Once the animal is inside, force it to stick its head out the front with the rear push door
2. In a second movement, the space is reduced laterally, holding the upper part at the level of the front paddles
3. The front sash door closes, holding the head
4. The merchandiser shows the neck for cutting.
5. The box rotates 180° at the operator's convenience for cutting.
6. Once the operator or veterinary considers the bleeding sufficient, the animal is released and the exit door is opened

The rotary movement of the box is electric by means of a gear motor. Internal clamping movements are carried out by hydraulic actuators.

The equipment includes a hydraulic unit with an oil tank. The oil of the first load and the hydraulic installation from the central to the box are not included in the base price.

The handling of the machine is done by a portable control panel at 24V, so that the operator can handle it from the most convenient point, not seeing the animal, or if it sees it, without being scared. Normally the ideal place is a few meters in front of the box (includes 6m connection sleeve).

Production:

Box recommended for the slaughter of animals between 400 and 600 kg standing. The production is nominal and estimated, depending on the configuration of the inlet chute, the correct combination of luminosity inside and outside the box, the cleanliness of the blood during slaughter, and the operator's handling skills.

All these factors condition effective production. Mecanova guarantees a machine cycle time of 85 seconds, the total effective production will be given depending of the factors mentioned before.

Measurements:

- Length 2800 mm (cabin 2500 mm.)
- Width diam. 2000 mm (cabin 800 mm.)
- Height box 2500 mm.,
- Entrance door: 4000 mm.
- Weight 2800Kg.



Options:

- Fabrication material
 - S275 JR hot galvanized iron
 - AISI 304 Stainless Steel
- Exit of the animal
 - Rotated position (50v / hour production)
 - It has the advantage that it allows a better exit of animals with long horns
- Entry position (production 40 v / hour)
 - It can be used in traditional mode without rite or with rite, but without turning, with a production of up to 85 animals per hour.
 - Hydraulic or pneumatic clamping option
 - Double push door to work with small animals and large animals

Technical Data:

- Slaughter box for Halal or Kosher ritual made of hot-dip galvanized S275 JR iron or AISI 304 stainless steel. All tubular profiles are structured, and the plates are thicker than 8 and 10 mm
- Comprises
 - Pneumatically actuated entry guillotine door
 - Rotary box with rear push door
 - Push and hold side door
 - Side exit door
 - Guillotine front door for head entrapment
- Neck holder with design that allows Halal or Kosher cutting
- Connection of hydraulic cylinders using rigid stainless pipe
- 3 Kw electric gearmotor with brake / 40 kw braking torque
- 4CV hydraulic power plant
- Electrical protection and control panel with PLC and frequency converters
- 24V operating control with 8 m cable to panel

Requerments:

- The construction of simple benches is necessary for the placement of the box
- It is advisable to buy our table - reception crib
- It is recommended to build a blood collection hopper below the zero level, in front of the box and the table covered by tramex for the transit of operators
- Bench and hopper plans are provided by Mecanova

Demonstration Video: <https://youtu.be/WOUdIED-554>
<https://youtu.be/IYYFIX7aqTw>
<https://youtu.be/5F3O7JWgLBg>







