

MEFE
MITCHELL ENGINEERING
FOOD EQUIPMENT PTY LTD

Operation Manual



Pig Stunner

CAT 44PS

Revision 2

Contents

1. About this Manual	3
1.1 Target Group	3
1.2 How to keep this manual	3
1.3 Liability and Warranty.....	3
2. For Your Safety	4
2.1 Intended Use	4
2.2 Not intended Use	4
2.3 Electrical Safety in Accordance with DIN VDE 0701-0702/EN 60204-1.....	4
2.4 Explanation of Signal Words and Symbols in use	4
2.4.1 Operational Instructions for Safety Precautions.....	4
2.4.2 Used Danger Signs.....	5
2.5 Remaining Rest Risk	5
3. Technical Description	5
3.1 Technical Features	5
3.2 Overview	5
4. Operation and Stunning	6
4.1 Safety Information	6
4.2 Operating with the Electro Stun Tong.....	6
4.3 Performing the stunning	6
5. Cleaning and Maintenance	6
5.1 Safety Information	7
5.2 Daily Cleaning.....	7
5.3 Periodic Inspection of Electrical Equipment	7
5.4 Replacing Electrodes	7
6. Disposal and Recycling	8
7. Spare Parts List	8

1. About this Manual

This manual has been established for fast and secure handling of your Electro Pig Stunner. Before starting to operate the Electro Pig Stunner, please read this manual carefully. The safety instructions contained within must be observed at all times. Always keep one copy of this manual within close reach of the item. The manufacturer will accept no liability for any damages caused by not following the instructions of this manual.

1.1 Target Group

This manual is addressed to plant owners and their staff working in slaughtering plants, particularly to **butchers and their trainees**. This manual is for personnel with basic technical understanding in handling the Electro Pig Stunner described, to the qualified personnel for assembly, installation and service and maintenance and also to the personnel for cleaning.

1.2 How to Keep this Manual

This manual is an important part of the Electro Pig Stunner and must be kept accessible to the operating and maintenance staff at all times during the whole period of operation. Therefore always keep one copy of this manual within reach of the item.

1.3 Liability and Warranty

All specifications and instructions for operation and maintenance of this Electro Pig Stunner are made to the best of our knowledge taking into account our expertise and experiences so far. For any legal claims which may arise from this contractual relationship we give exclusive warranty only within the scope of those obligations agreed upon in the original contract. The original version of this manual has been issued and verified by us.

Any warranty is disclaimed in case of

- Non or insufficient observation of the information provided in this manual
- Use of the Electro Pig Stunner for purposes other than intended
- Installation of spare parts or parts which are not approved by MEFE
- Unauthorized alterations of machine functions or its material
- Improper handling or handling by unqualified personnel
- Removal or manipulation of the protection device
- Improper or non-professional cleaning
- Chemical and mechanical stress
- Improper execution of maintenance works or non-compliance with maintenance intervals
- Parts which are subject to regular wear and tear
- Use of electrical protective gloves is essential

Alterations and/or adjustments to the Pig Stunner may be permitted under certain circumstances, in cases of which prior written permission is obtained from MEFE.

2. For your Safety

2.1 Intended Use

The Electro Pig Stunner is employed together with FREUND-Stunners STUN-E430, STUNE512 and STUN-E513/514

- For stunning of Pigs
- Is only approved for one operator. Any other user is not intended and bears safety risks for the operating personnel.

Further issues for intended use are:

- Compliance with the safety instructions
- Professional execution of repairs and maintenance
- Cleaning schedule.

FREUND AND MEFE disclaims any liability for damages caused by not intended use.

2.2 Not intended Use

Only operate the Electro Pig Stunner according to its intended use. In case of doubt please contact the manufacturer.

- Use the Electro Pig Stunner only on animals and never on humans.
- Do not use the Electro Pig Stunner to position the animals.
- Do not use the Electro Pig Stunner to move items or animals.

2.3 Electrical Safety in Accordance with DIN VDE 0701-0702/EN 60204-1

All our electrical machinery and equipment is tested for electrical safety prior to commissioning and following modification or repair in our factory in accordance with the electrical engineering rules as per DIN VDE 0701-0702/EN 60204-1. A test sticker is attached. This test sticker indicates when the next periodic inspection must be carried out. The inspection interval for machinery and equipment that is used in slaughtering and cutting plants is every six WEEKS. The electrical inspection is carried out by an electrically skilled person in our factory.

2.4 Explanation of Signal Words and Symbols in Use

2.4.1 Operational Instructions for Safety Precautions

When using the Electro Pig Stunner, danger may arise in certain situations caused by particular behaviours. Notices indicating such risks are placed in front of each particular work step and marked by the following symbol:

Type and source of danger

Possible danger consequences

- Instructions for danger prevention

Signal word meaning

DANGER Indicating an imminent danger which will result in danger to life or death unless otherwise prevented.

WARNING Indicating a potential danger which may cause most severe injuries or lead to death unless otherwise prevented.

2.4.2 Used Danger Signs

Danger: Electricity

General Danger

2.5 Remaining Rest Risk

This Electro Pig Stunner is state-of-the-art and complies with the essential safety and health requirements issued by the European Union. However, it presents hazards which cannot be eliminated construction wise:

- Risk of injury to fingers and hands
- Electrical hazards by using improper connection cables.

Despite all precaution measures taken, there may arise unapparent remaining risks beyond that. The remaining risks can be reduced if attention is paid to the safety instructions at the beginning of each chapter as well as to the operation manual in general.

DANGER!

Live Machine Parts.

Danger to Life.

- Disconnect the Electro Pig Stunner from the mains supply before each operation and protect against unintended reactivating.

3 Technical Description

The stunning unit consists of a stunner and the CAT 44PS HANDPIECE. The stunning unit has been manufactured in compliance with DIN EN 60335-2-87 (German Industry Standard) and the Animal Protection Slaughter Decree 1099/2004 (German TierSchlV of 25 November 1999). The Electro-Stun-Tong complies with the quality standards. It has left our factory in perfect condition. When operating stunning units the relevant provisions of the trade association are to be observed. Moreover the provisions of the veterinary offices, the EU and the animal welfare apply.

The Electro-Stun-Tong for Pigs is characterized by the following features:

- Single hand operation for head stun inducing (cardiac arrest)
- V Shaped electrode tongs for optimized skin-contact on any size pig
- Plastic rings around arms avoid bruising of fingers
- Robust design made from high grade stainless steel probes
- Wear-resistant helix-cable.

3.1 Technical Features

Weight: 1.9kg

Size: 360 x 315 x 160mm

4 Operating and Stunning

4.1 Safety Information

DANGER!

Live Machine Parts.

Danger to Life.

- Disconnect the Electro Pig Stunner from the mains supply before each operation and protect against unintended reactivating.

WARNING!

Risk of accident caused by insufficiently qualified personnel

OPERATOR TO WEAR ELECTRICAL INSULATED GLOVES

Danger to Life and most severe injuries are possible.

- The Electro Pig Stunner may only be operated, maintained and repaired by instructed and authorized service personnel.

4.2 Operating with the Electro-Stun-Tong

Usually the Electro Pig Stunner has no own operating elements, because it is used together with a stunner for stunning of Pigs. For details of the operation and implementation of electrical stunning refer to the operating instructions of the stunner.

4.3 Performing the stunning

The Electro Pig Stunner is for head stunning application.

- Connect the Electro Pig Stunner with the stunner.
 - Place the electrodes of the Electro Pig Stunner onto the pig sliding down behind the ears.
1. From behind press the length of the probes onto the head
Until both sides are making full contact

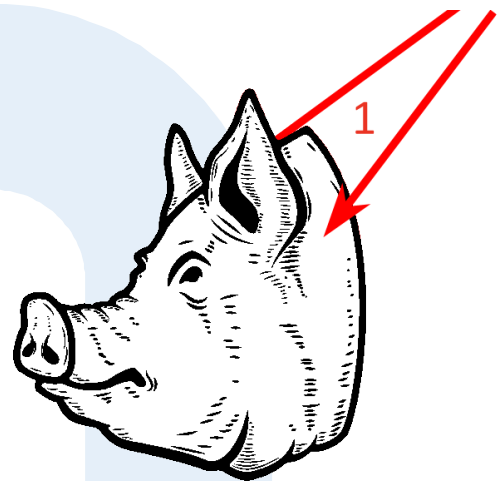
UNDER NO CIRCUMSTANCES SHOULD THE SUNNER “STAB” INTO THE HEAD

This is the shortest way for the current to flow through the brain.

For more information on current stunning and times check out the operating instructions of the stunner.

5. Cleaning and Maintenance

In principle, all cleaning and maintenance works must be performed after the stunner has been switched off.



5.1 Safety Information

DANGER!

Live Machine Parts.

Danger to Life.

- Disconnect the Electro Pig Stunner from the mains supply before each operation and protect against unintended reactivating.

WARNING!

Risk of accident caused by insufficiently qualified personnel

Danger to Life and most severe injuries are possible.

- The Electro Pig Stunner may only be operated, maintained and repaired by instructed and authorized service personnel.

5.2 Daily Cleaning

Only use the cleaning detergents especially designed for use in the food industry.

1. Disconnect the Electro Pig Stunner from the mains supply.
2. Clean the Electro Pig Stunner only manually by using customary detergents and disinfectants.
3. Clean the dirty electrodes with a steel brush.
4. Keep the electrodes bare.
5. Store the Electro-Stun-Tong in a warm and dry place for its next application.

5.3 Periodic Inspection of Electrical Equipment

In accordance with the accident prevention regulation “Electrical installations and equipment” and the operational safety rules the operator is obliged to ensure that all electrical machinery and installations are regularly checked for electrical safety. Periodic inspections of non-stationary electrical machinery and equipment that is used in slaughtering and cutting plants must be carried out at intervals of six months in accordance with DIN VDE 0701-0702/EN 60204-1. The electrical test must be carried out by an electrically skilled person in the sense of the accident prevention regulation “Electrical installations and equipment” or by an electrically instructed person. We recommend that you should document the inspections and test results in a test logbook. This will enable you at any time to further proof that you have inspected your machinery and equipment in accordance with requirements. Service at MEFE would like to give you the option to arrange for the next periodic inspection of your machinery or equipment to be carried out at our warehouse. Our service includes a complete inspection of the electrical system with inspection report and test sticker. If you are interested in arranging for a periodic inspection at our warehouse or by a service technician on-site, contact our sales staff. Please refer to the company information for address and telephone numbers.

5.4 Replacing Electrodes

Consumed electrodes can be recognized by the surface showing signs of corrosion.

- With use, electrode will build up a layer of grit that can be cleaned with a light sanding, if corrosion occurs, replace immediately to ensure Electro Pig Stunner remains operating at maximum capacity.

6. Disposal and Recycling

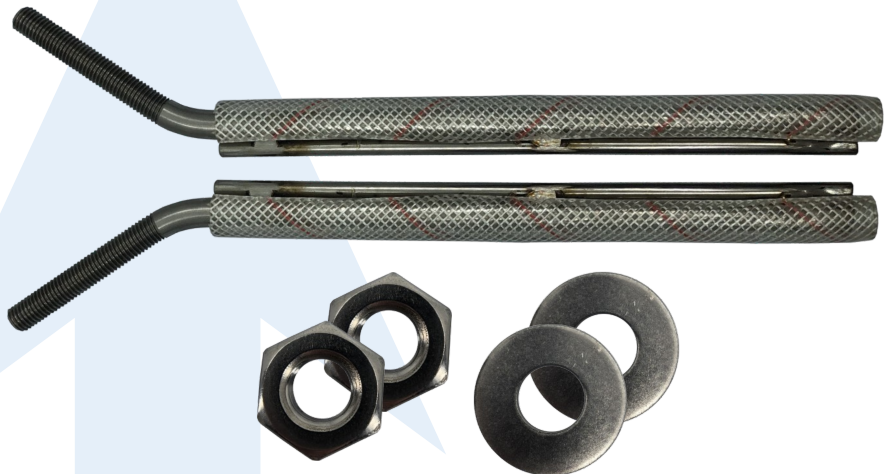
Disposal of the Electro Pig Stunner must be performed in accordance with applicable legal regulations of each country. Dismantle the Electro Pig Stunner. Refuse all material separately to deposit and recycling. Please follow the instructions below for the sake of pollution control and your own safety:

- Observe the local provisions on pollution control.
- Dispose of all materials in a safe and environmentally friendly manner.
- Separate all materials correctly and sorted.
- Return hazardous waste to local hazardous waste deposits.

7. Spare Parts



Handle Only for V Tongs
44PS 2



V Electrode Tongs, Nut and Washer
Threaded Stainless Steel
44PS 1



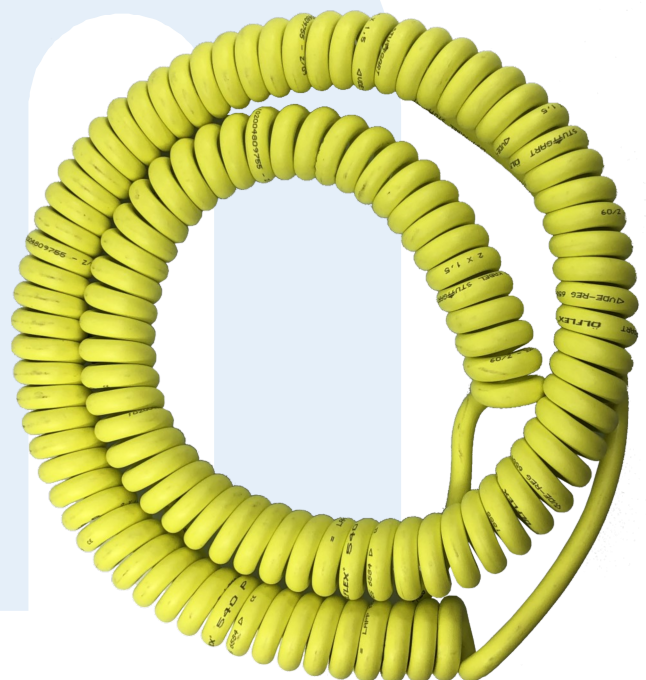
Electrical Lug
44SS 5



Plug
100-017-047



Cable Gland
CAT 44SH 3



Spiral Cable
164-101-004