

(EN) Read and pay attention to these operating instructions before assembly and initial commissioning! Keep these operating instructions for future reference!

1. Foreword

1.1 Information about the manual

We reserve the right to make changes due to further technical development compared to the data and illustrations mentioned in this manual. Reprints, translations and reproductions in any form, including excerpts, require the written consent of the manufacturer.

Abbreviations, units, technical terms, special designations or industry-standard terminology used in this manual are explained in more detail in the "Appendix" section.

This manual is part of the scope of delivery.

- It must be kept close at hand and remains with the unit even if it is sold.
- This manual is not subject to a revision service. The respective current status can be obtained from the specialist trader or directly from the manufacturer.
- It has a modular structure and refers exclusively to the named product.
- These operating instructions describe the operation, use and maintenance of the unit.

The safety instructions are intended to prevent personal injury, damage to animals and the unit. All operators are required to read and observe these safety instructions at all times. The manufacturer accepts no liability or warranty for damage and malfunctions resulting from non-observance of the operating instructions!

1.2 Notes on the operating instructions

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Language of the original operating instructions: German

1.3 Representation of safety instructions

1.3.1 Safety instructions in the operating instructions



Imminent danger which leads to serious physical injury or death.



Risk of physical injury to people and animals and material damage if used incorrectly!

Important!

Potentially harmful situation that could damage the product or an object nearby.



This pictogram identifies information that contributes to a better understanding of the work processes.

1.4 Manufacturer data

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2. Safety

2.1 General

- Read the following instructions carefully before assembling and using the unit.
- Anyone tasked on behalf of the user with commissioning, operation, maintenance or repair must have read and understood the operating instructions and in particular the chapter on safety.
- Failure to comply with the individually listed points in the operating instructions can result in physical injury or material damage for which the manufacturer assumes no liability.

2.2 General information regarding safety and warning instructions



Caution!

Risk of physical injury to people and animals and material damage if used incorrectly!

- Before commissioning and operating the unit, these operating instructions must be read and noted carefully.
- Keep children and frail individuals away from the unit.
- Note the safety and maintenance instructions.
- Maintenance and cleaning work must only be carried out by trained personnel.
- The operator must ensure that only authorised personnel work with or on the unit.
- The unit must be used exclusively in accordance with intended use and in a technically safe condition! The operational safety of the unit is only guaranteed if it is used for its intended purpose. Failure to comply with the individually listed points in the operating instructions can result in physical injury or material damage for which the manufacturer assumes no liability.
- Any manner of working that impairs safety on the unit is prohibited.
- Operation of the unit is only permitted with components and spare parts that are supplied or listed in the spare and wear parts list.
- When changing brushes: the brush falls down if the screw is loosened completely.
- Only use genuine spare parts.

3. Description

3.1 Description of the unit

Cattle brush model: HAPPYCOW FlexiSwing

The devices are designed to allow the animals to scrub themselves on the brush and thus clean the coat.
Use of these units can cause danger to the life and limb of the user or third parties, or damage to the unit or other material assets.

3.2 Scope of delivery

- Brush unit
- Spring
- Suspension arm
- Operating instructions

3.3 Correct use

This device must be used only for the dry brushing of animals. It was designed especially for use by adult cattle, young animals, and calves aged 2 months and upwards, and also for horses. Because of the danger of severe "brush burn", its use with goats and pigs is not recommended. The unit can be operated with a maximum of 60 animals.

The regulations set out in these operating instructions must be complied with. Any other use of the unit, e.g. in any other area than those described, shall be deemed incorrect use. The manufacturer accepts no liability for any resulting physical and/or material damage.

3.4 Technical data

Article number / type designation:

18670

Dimensions:

1509 x 435 x 1015 mm (H x W x D)

Fastening drill hole distance:

Figure 1

Weight:

approx. 42 kg

Brush diameter:

435 mm diameter

Brush length:

750 mm

3.5 Conversions or modifications

In the event of unauthorised conversions and modifications to the unit, any liability and warranty on the part of the manufacturer will be rendered void. Conversions and modifications may only be carried out with the written consent of the manufacturer.

4. Assembly and commissioning



Danger!

- The unit must at all times be secured against falling or toppling over while being installed – risk of fatal injury!
- Never reach into the spring during assembly.

4.1 Scope of delivery

The device is supplied in three packages (spring, mounting arm including brush attachment, screws and operating instructions, brush).

4.2 Checks before commissioning

Before commissioning the unit, it must always be checked for completeness, visible defects or sources of danger.

The following checking measures should be carried out:

- Check the unit for loose or hanging parts or damage sustained during transport.

4.3 Installation

The best possible positioning and stable securing is particularly important for ensuring the problem-free operation of this heavy-duty unit.

The following must be noted:

- Do not set up the unit in a confined space in the pen.
- To avoid backlogs, do not set up the unit directly before or after the milking station.
- Do not set up the machine adjacent to equipment sensitive to dust.
- Mount the unit on a firm, stable and level surface.
- With brick walls, a large, compression-resistant underlay is recommended.
- The unit must be connected to the wall through all 4 mounting holes of the suspension arm.
- Fixing material must be matched to the substrate by competent personnel.
 - Heavy duty anchors or adhesive anchors are recommended for concrete walls.
 - When mounting on brick or wood, continuous threaded rods are recommended.
 - Use at least thread size M12.
- Secure the screw connection against self-loosening. Use self-locking nuts and/or threadlocker for this purpose.
- Check attachments regularly and re-tighten if necessary.
- Only mount the unit with a suitable lifting device.
- Observe applicable accident prevention regulations!



Tip

Secure the unit to an even, solid concrete wall.

4.3.1 Installation height

The suspension height of the unit must be adapted to the average withers height of the animals. The top edge of the brush roller itself should be approx. 100 - 200 mm above the average withers height. The suspension height must be determined before the mounting holes are made!

If there are considerable differences in withers height among the herd (more than 20 cm), the suspension height should be orientated towards the larger animals in order to avoid rapid wear of the brushes.

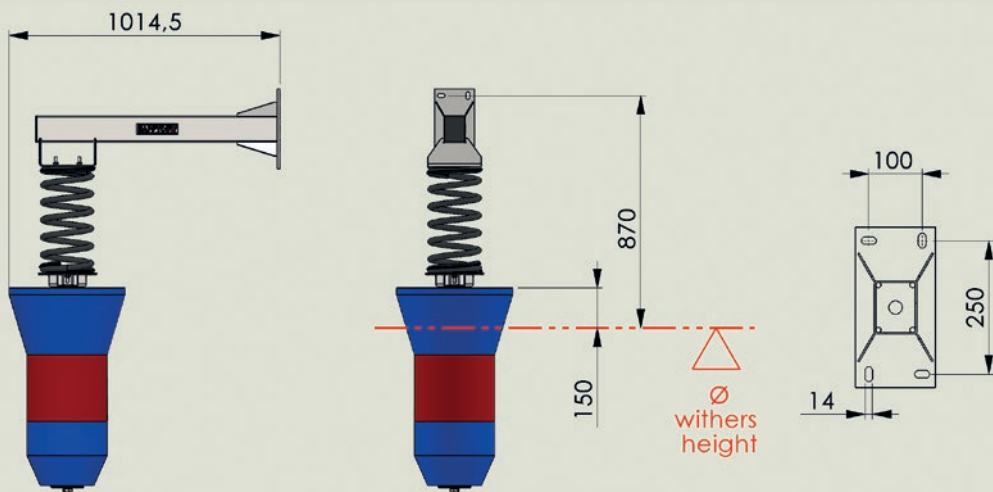


Figure 1: Mounting height

4.3.2 Installation steps

1. Determine the installation height (see Point 4.3.1)
2. Install the suspension arm at the determined height.
3. Use the spring plate and round-head screws to attach the spring to the suspension arm.
4. Use the second spring plate and round-head screws to attach the brush holder to the spring.
5. Use the hexagonal bolt, washer, and spring ring to attach the brush to the brush holder.
6. Check that screwed connections are firmly seated.

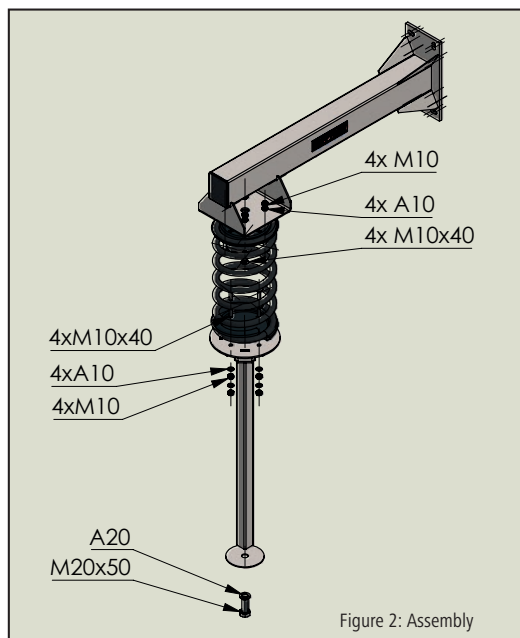


Figure 2: Assembly

5. Periodic maintenance and cleaning

The unit must only be operated when in perfect condition!
Immediately shut down the unit as soon as any damage or malfunction is detected!



- Risk of physical injury to people and animals and material damage!
- Maintenance and cleaning work must only be carried out by trained personnel.
 - Keep all safety and warning notices on/at the unit in a legible condition at all times.
 - When changing brushes: the brush falls down if the screw is loosened completely.

5.1 Overview of maintenance schedule

Component	Cleaning	Lubrication	Inspection	Frequency
Visual inspection of mechanical safety technology			x	Daily
Screw connections			x	Weekly
Brushes	x		x	Weekly
Entire machine	x			Quarterly

5.2 Visual inspection of mechanical safety technology

- Daily inspection of the unit for externally visible damage and general functionality.

5.3 Screw connections

Check all screw connections weekly to ensure they are tight, especially the securing of the unit to the wall. Tighten the screw connections if necessary.

5.4 Brushes

The brushes must be changed once they have worn down and exhibit only inadequate cleaning performance on the animals.

5.4.1 Changing the brushes

1. Loosen the screw under the brush.
2. Remove the brush and replace it with a new one.
3. Apply threadlocker to screw, retighten with the washer and spring washer.

5.4.2 Brush cleaning

We recommend that the brush element should be cleaned every 6 weeks with a suitable disinfectant.
(For example INTERKOKASK® disinfectant #299698 from Albert Kerbl GmbH)

5.5 Entire unit

The entire unit must be cleaned on a regular basis.

5.6 Disposal

Please observe local waste disposal regulations! Separate all of the unit's parts, auxiliary materials and operating materials according to type. Consult your local authority if you have any questions concerning disposal options and quantities.

6. Appendix

6.1 Abbreviations

Term	Explanation
Ø	Diameter specification
Units	
°	Degrees (angle indication)
°C	Degrees Celsius
s	Second
min	Minute
" (in)	Inch (= 25.4 mm)
mm	Millimetre
cm	Centimetre
m	Metre
mm ²	Square millimetre
mm ³	Cubic millimetre
g	Gram
kg	Kilogram
kPa	Kilopascal
kW	Kilowatt
A	Ampère (current strength)
V	Volt
Ω	Ohm (resistance)