



USER MANUAL

Honey pump 1300kg/h user manual



These operating instructions are in English, the original is in Estonian





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1 Safety instructions and warnings

Read the instruction manual carefully before using honey pump.

It contains important information on the use, safety, cleaning and maintenance of the honey pump.

This protects the device and ensures your safety.

Keep this manual for future reference.

Electrical safety is only ensured if honey pump is connected to a grounded mains supply in accordance with the instructions and fitted with a fault current circuit breaker.

The mains to which the honey pump is connected must be installed by competent persons and comply with all legal requirements and regulations.

The manufacturer and the distributor shall not be liable for any damage caused by incorrect connection and/or installation of the appliance or by the use of incorrect fuses.

The honey pump meets the specified safety requirements.
Improper use may damage the honey pump and endanger the user.

Only persons authorised by Asten Honey Production & Technology may carry out repairs and maintenance on the equipment.





1.1 Technical safety

Before installation, make sure there is no visible damage to the honey pump.

Do not install and put into service the damaged honey pump.

Do not install the device in a room where there is a risk of freezing.
Temperature fluctuations can have a negative impact on electronics.

Possible accessories and equipment may only be used with the machine if approved in writing by the manufacturer.

If non-authorized parts are fitted to and/or on the machine, the warranty will be invalidated.

Use only the spare parts provided or recommended by the manufacturer to avoid damage to the honey pump and the associated risks.

Welding work on the honey pump is only permitted after disconnection of the mains supply. The frequency converter must be disconnected from the honey pump.

1.2 Notes

Asteni Mesindus OÜ has the right to modify the constructions and the firmware of honey pump.

This manual is the translated version of the original manual for honey pump 1300kg/h.





1 Introduction

Thank you for purchasing honey pump 1300kg/h.

To make the best use of the honey pump, please first read the user manual carefully.

Keep this manual for future reference.

The honey pump can pump **1300 kg of honey in one hour**.

It is possible to connect the ends of the hose to the honey pump in the size of 1 ¼ to which the hose (inside diameter 40mm) is attached with a clamp.

It is also possible to connect quick connectors of the hose in the size of 1 ¼.

The gears and housing of the honey pump are made of plastic approved by the food industry.

The gears and housing are with high wear resistance.

The honey pump has the speed adjusting option.

Unfiltered honey can be pumped from the wax mixture.

The frame is painted with abrasion-resistant powder paint.

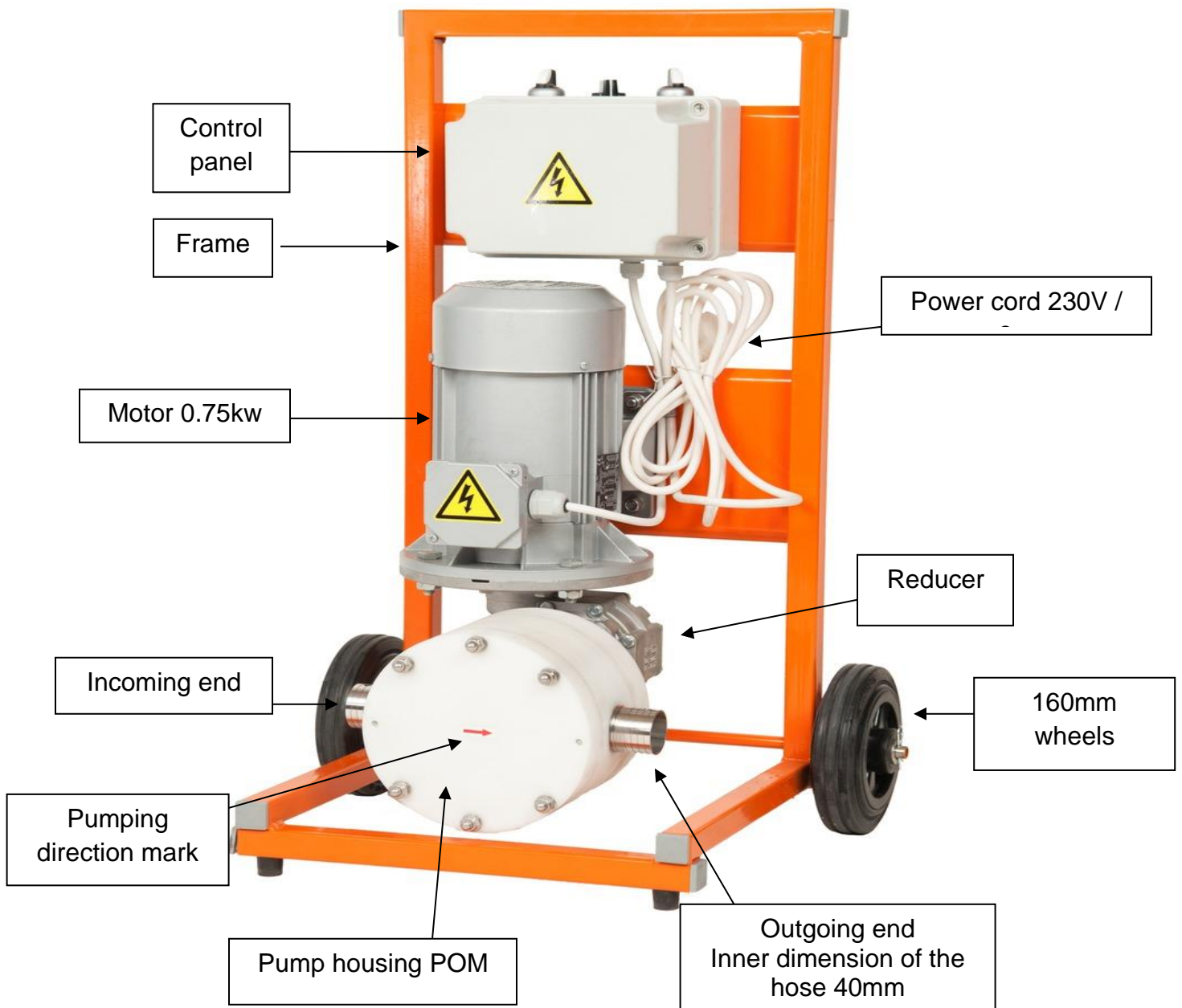
The instructions for use state:

- Brief description of the device and its components
- Instructions for starting work with the equipment
- Safety precautions

Dimensions of the device:

- Height 765mm
- Width 480mm
- Length 400mm







1.1 Concept and purpose of the manual

The honey pump 1300kg/h is intended for beekeepers to pump honey. It is possible to pump honey from the wax mixture.

The product is not intended for any other use.

The device must not pump other liquids.

2.2 Overview of the work process

Please read the product's instruction manual before using the product.

Tidy up the work area, make sure it is safe to start work and that the appliance is not used by someone who has not read the operating instructions.





2 First deployment and operational process

Honey pump must be properly installed and connected before use. The honey pump must be positioned in such a way that there is free space around the unit for working. The workplace in which honey pump is installed must comply with the applicable safety rules and requirements.

When using the pump for the first time, it is important to bear in mind that the friction of the pump's gears can cause residue to build up in the housing, which can spoil the first **2-4kg** of honey. Do not consume or use this honey.

Connect the hoses to the metal ends on the pump housing.

The hoses can be connected to the pump in two ways:

1. By placing the hose (inside diameter 40mm) on the hose socket and tightening with a hose clamp.
2. Attach one side of the quick connector to the pump housing, the other side of the quick connector must be attached to the hose. Connect the quick connector sides and pumping can be started.

To start the work, connect the hoses to the pump and bring the ends of the hose to the container where the pumping starts from and the other end to the container where it is pumped to.

When placing hoses in the containers, follow the direction of operation on the pump housing. (Marked with a red arrow)



Pumping direction with red arrow





Plug in the power supply (**230V**)*

Use the control panel on the pump frame to control the pump.



Control panel of the pump

Turn the **"TOIDE"** switch to the **"ON"** position and the pump will light up with a green indicator light. (Indicates that the pump control panel is activated) To switch off, turn the switch to the **"OFF"** position.

Turn the **"SUUND"** switch to the **"TÖÖ"** position and the pump will start pumping. The pump has the reverse function **"REV."** This means that the pump can also pump in the opposite direction if, for example, a blockage has occurred. It can also be used when the pump has stopped and the honey has solidified between the gears of the pump (move the pumping direction backwards until the gears start to move).

It is possible to change the pumping speed of the pump by means of the **"KIIRUS"** switch by turning the knob in the direction indicated on the scale (left slower/right faster).





4 Technical specifications

- Power supply 230V
- Length of power cable 3m
- Engine power 0.75kw
- Motor overload protection
- Hose size to be connected (40mm internal)
- Productivity 1300kg/h
- Possibility of fitting quick connectors of the hose
- Quick connector size 1 ¼
- Transport wheels 160mm / 2pcs
- Powder coated frame
- Food grade plastic (POM) cogwheels and housing)

5 Transporting the device

Do not transport the working appliance. Switch off and disconnect the appliance from the mains power supply beforehand. Remove the hose assembly from the housing. The appliance may now be moved.

It is permitted to place the device in a longitudinal position with the control panel facing upwards for transport.

The device must not be placed on the control panel and housing.

6 Maintenance and cleaning of the device

When using the pump for the first time, it should be taken into account that friction of the pump gears in the housing can cause residue to form, which can spoil the first **2-4kg** of honey. Do not consume or use the first honey.

If it is necessary to clean the exterior of the appliance (frame and housing), use lukewarm water and a detergent approved for use in the food industry.

Care must be taken that water does not get on the control panel and the motor of the appliance, as this increases the risk of electric shock. General washing of the appliance may be carried out as required.





7 Safety precautions

Alteration or other modification of the product is prohibited. The product must be used in a place intended for that purpose: indoors, at a stable temperature and level.

Keep children and unauthorized persons away from the operating equipment. Do not allow unauthorized persons or children to touch the appliance.

Place the device in a safe place where there is no risk of tipping over and safe access to the device.

For this purpose only - pumping honey is strictly forbidden when pumping other liquids. Before using the product, carefully read the safety precautions below to ensure correct and safe use of the product and to prevent damage and injury to you or others.

It is the responsibility of the person in charge of the equipment to ensure that all users understand and comply with this manual.

7.1 Safety symbols



Electrical risk / electrical components

Electrical risk / electrical components – sign refers to the control panel and the engine which contains a considerable amount of electronics. Any dismantling/assembly of the control unit/motor while the unit is connected to the mains is strictly prohibited!

The guide plate is not waterproof, so pay strict attention that the plate is not exposed to moisture or direct water!





8. WARRANTY

Asteni Mesindus OÜ warrants the equipment it manufactures and sells against possible defects in construction, workmanship and mechanical defects. After the expiry of the warranty period, no reference to a defect during the warranty period shall be valid unless made in writing.

8.1 DURATION AND START OF THE WARRANTY

The guarantee is given for the following period;

- Electronics inside the control panel (frequency converters, contactors, temperature controllers) - 2 years (24 months)
- Motors and reducers on the device – 2 years (24 months)
- Device construction details and welds - 5 years (60 months)

The guarantee starts from the moment the goods are handed over to the customer and the instrument of delivery and receipt is signed.

Warranty applies to the first buyer/user of the equipment sold.

The customer ordering the warranty repair must prove the validity of the warranty period of the appliance (by means of an acceptance report or the serial number on the CE marking)

8.2 WARRANTY INCLUDES

The warranty covers the costs incurred during the warranty period for the repair of structural, manufacturing and mechanical defects in the equipment identified by Asteni Mesindus OÜ.

The aforementioned faults will be corrected by a person authorised by Asteni Mesindus OÜ or by an authorised maintenance company by putting the equipment back into working order.

Parts and components replaced under warranty are the property of Asteni Mesindus OÜ and are subject to return.





8.3 CARRYING OUT WARRANTY WORK

The fixed equipment is repaired at the customer's premises on working days at 8.00 - 16.30. If the customer requests the warranty repair to be carried out outside normal working hours, the customer shall reimburse the additional costs incurred.

In the case of equipment expertise, easily transportable and easily disconnectable equipment must be delivered by the Buyer at his own expense to the Asteni Mesindus OÜ factory (e.g. containers and wheeled equipment).

In the case of larger and more technically complex equipment, the transport and disconnection of the equipment must be agreed in writing in advance with Asteni Mesindus OÜ (e.g. line parts and sealing machines).

When the technician arrives on site, free access to the equipment must be prepared for the technician.

Repaired equipment is collected by the customer or returned to the customer at the customer's expense.

8.4 LIABILITY AND LIMITATIONS OF THE WARRANTY

This warranty is valid provided that the equipment has been used under normal conditions and that the instructions for use have been carefully followed. If the above conditions are fulfilled, Asteni Mesindus OÜ is responsible.

The warranty does not cover losses that may be caused by a defect in the equipment, including damage to property, personal injury, damage to other objects, loss of profit, damaged output and other consequential losses.

Warranty repair does not include routine maintenance of the equipment and does not reimburse the costs arising from non-compliance with the instructions for use and maintenance of the equipment.





8.5 WARRANTY DOES NOT COVER DEFECTS CAUSED BY:

Incorrect transportation, improper lifting or moving of the equipment and failure to comply with the installation instructions for the equipment (unless carried out by persons authorised by Asteni Mesindus OÜ).

Due to the user's negligence or non-compliance with the instructions or handling conditions.

Overloading of the equipment.

Use of the equipment for purposes other than those for which it is intended.

Insertion of unsuitable frames into the equipment.

Conditions independent of Asteni Mesindus OÜ:

- +-5% of voltage fluctuations, at 230V
- Lightning strikes
- Fire
- Flooding
- Vandalism
- Incorrect connections between the appliance and the power cable
- Defective fuses
- Excessively long and inadequate extension leads
- High water hardness
- Damage caused by repairs, maintenance or structural modifications to the equipment carried out by unauthorised maintenance companies.
- Improper installation or placement of the equipment at the place of use, not in accordance with the instructions for installation and use or otherwise incorrect.
- Improper storage conditions of equipment by the user (excessive humidity and negative temperature in the storage room)





8.6 MINOR FAULTS, ADJUSTMENTS, OPERATING INSTRUCTIONS AND EQUIPMENT ACCESSORIES

Warranty does not cover:

Repairing surface scratches that are insignificant to the operation of the device,

Adjustments mentioned in the normal instructions for use of the equipment, on-site instruction, cleaning and maintenance measures.

Work resulting from the non-observance of, or failure to explain, precautionary or installation rules at the place of installation.

Parts that are likely to break as a result of use or normal wear and tear are not covered by the normal warranty:

- warning lights
- switches
- moving plastic parts
- heating elements
- seals
- clamps
- springs
- hose fittings
- bearings
- bearing supports
- hoses
- plastic lids





8.7 ACTION TO BE TAKEN IN THE EVENT OF AN ERROR

In the event of a defect occurring during the warranty period, the customer must immediately notify Asteni Mesindus OÜ IN WRITING.

When reporting a fault, you must specify the type of equipment (make, model). Proof of the validity of the guarantee (acceptance of delivery, model code on the CE marking) must be provided.

Describe, as precisely as possible, the nature of the error and the conditions in which and/or under which it occurs.

For its part, Asteni Mesindus OÜ will clarify whether the device and the described defect are covered by the warranty and will provide the customer with feedback on the repair method and time within 2 (two) working days.

8.8 DATA PROTECTION

Personal data will be used only for the purposes of contractual procedures and possible warranty operations in accordance with the requirements of the Data Protection Act of the Republic of Estonia.

