

User Manual

Suction pump for honey creaming and pumping 0.55 kW, with gear module - compact version



LYSON N

Przedsiębiorstwo Pszczelarskie Łyson

Spółka z o.o.

34-124 Klecza Górna, st.Pszczela 2, Poland

www.lyson.eu, e-mail; lyson@lyson.com.pl

Tel. +48 33/875-99-40, +48 33/870-64-02

The manual applies to the machine of the product code: W2021G400

User Manual

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1. General safety rules for the appliance operation

Please carefully read the manual before working with the appliance and follow the instructions included. The manufacturer is not liable for damages caused by using the appliance contrary to its intended purpose or improper operation.

1.1. Usage principles

1. The pump is intended for pumping or creaming of honey.
2. Before use the pump should be thoroughly washed with warm water and a small amount of detergents approved for cleaning of the food equipment.



1.2. Electrical safety

1. The electrical installation system must be equipped with a residual current circuit breaker with a rated trip current of no more than 30mA. Check the operation of the RCD systematically.
2. If the power cord is damaged and needs to be replaced, this should be done at the guarantor's or a specialist repair shop, or by a qualified person to avoid a hazard. Do not use the pump when the power cord or cord connection is damaged!
3. Before connecting the appliance to the network, make sure that the switch (1) is in the position 0.
4. Make sure that the nominal voltage of the pump and power source match.
5. Be careful when connecting to the network. Your hands must be dry! The floor which the pump stands on should be dry!
6. Do not move the pump during operation.
7. Protect the motor (7) and main switch (1) from moisture (also during storage).
8. Do not pull on the power cord. Keep the power cord away from heat sources, sharp edges and maintain it in good condition.



1.3. Safety of use

1. This equipment is not intended for use by persons (including children) with reduced sensory or mental ability, or persons without experience, knowledge of equipment, unless this is done under the supervision or in accordance with the instructions for use of the equipment, provided by persons responsible for their safety. Pay attention to children so that they do not play with the pump.
2. If the pump is damaged, only a specialist repair point or qualified person can carry out the repair in order to avoid a hazard.
3. Do not carry out any maintenance or troubleshooting while the appliance is working or when the pump is connected to the power supply!
4. The gear module cover (5) must be tightened securely so that no air can enter inside.
5. Do not use the device near flammable materials.
6. In the event of any danger, stop the pump immediately.
7. Restarting the appliance can only take place after the danger has been eliminated
8. The device should only be started indoors.
9. The appliance must not be put into operation and stored at temperatures below 0°C. Before operating the honey extractor, if it has been moved from a lower temperature room to a room with a higher one, wait until it reaches the ambient temperature.



Do not repair the appliance in motion



Do not remove covers during operation



Do not pump flammable substances !!!

2. Instructions for use of the pump

2.1. General rules for preparing of the pump for work

1. Set the pump in the designated place, kept in a proper cleanliness
2. Keep available space around the pump for better service.
3. Provide easy access to the voltage source.
4. Follow the rules for pump usage.

2.2. Usage principles

1. The pump is intended for pumping or creaming of honey.
2. The pump can pump honey in two directions as needed.
3. Before the first use and after finishing work, the pump should be cleaned in accordance with the instructions contained in the section "Maintenance and cleaning of the pump".
4. Before starting the pump:
 - plug the pump's power plug (3) into a power socket
 - connect Ø40 hoses (not included in the pump set) to the gear module with quick assembly connectors (8)
 - pour the gear module (5) with a small amount of honey through the suction pipe, this will facilitate the sucking of pumped honey
 - place suction and pressure hoses in appropriate tanks
 - turn on the pump with the main switch L-0-P (1)
 - if the pumping direction is inappropriate, change it using the main switch (1)
 - after pumping, the device should be washed and dried



Uwaga!!! Moduł pompy musi być zawsze oczyszczony z miodu po zakończonej pracy.

3. Description of the pump

The pump is intended for honey pumping or creaming. It is characterized by compact construction, which means that it takes up little space during use. The gear module of the pump is easy to disassemble, which facilitates its cleaning after finishing work.

The creaming process with a pump is based on pumping of honey from one container to another. This process involves cyclic pumping of honey for several days until it reaches the right consistency.

3.1. Pump construction

- 1- main switch L-0-P
- 2- pump stand
- 3- power cord with 16A plug
- 4- stand rubber feet
- 5- pump gear module
- 6- worm gear
- 7- engine
- 8- connector pipes with clamps and gaskets

Photo 1

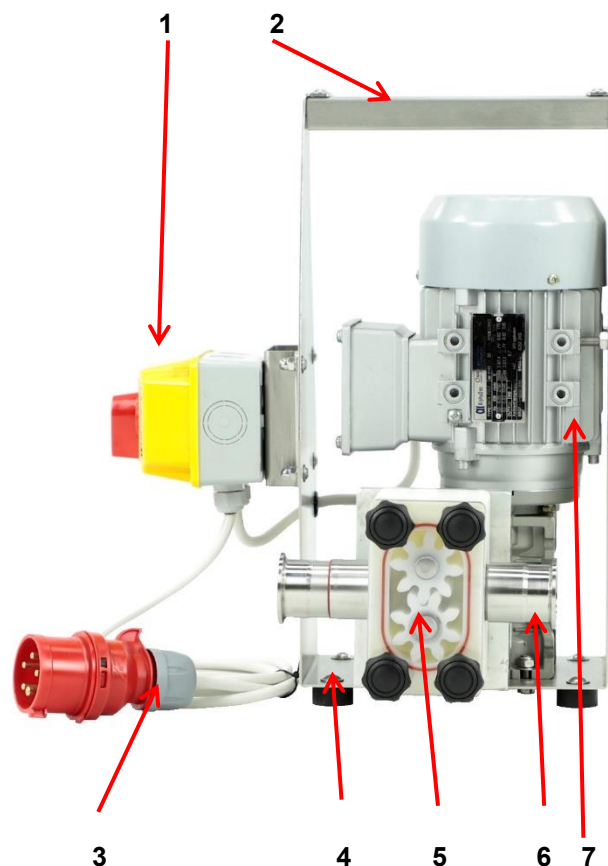
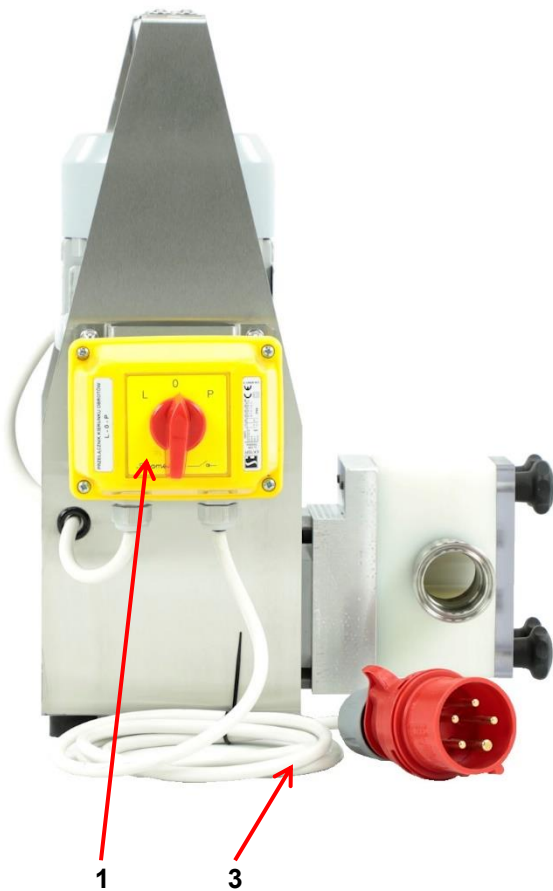


Photo 2



3.2. Pump technical parameters

- power supply - 400V / 16A
- engine power - 0.55 kW
- pump efficiency - about 1650 l/h
- quick connectors for a Ø40 hose -2 sets
- pump stand stainless, acid-resistant

Pump dimensions and weight:

- height - 350mm
- width - 250mm
- length - 350mm
- weight - 12.5 kg

4. Pump storage

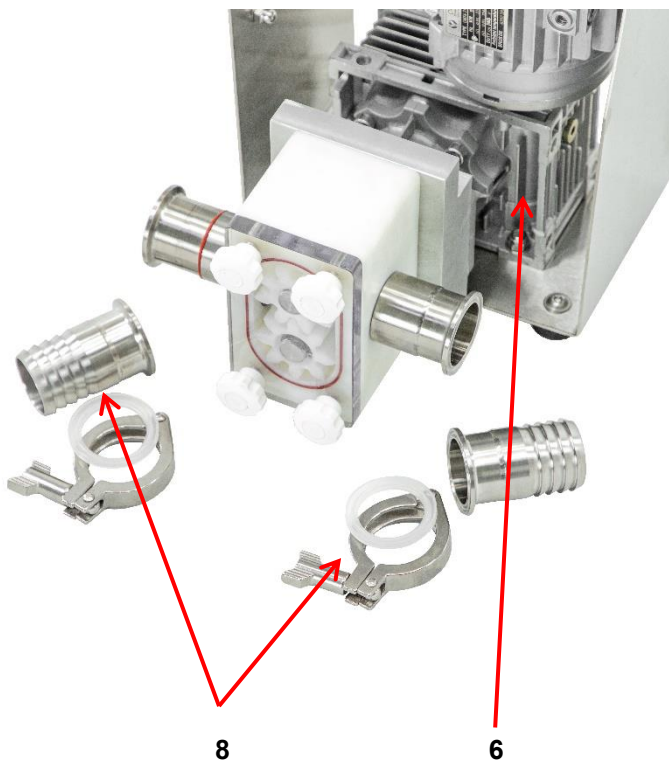
After honey pumping/creaming is finished, the appliance should be thoroughly cleaned and dried.

Before starting the pump, if it has been moved from a room with a lower temperature to a room with a higher one, wait until it reaches ambient temperature. Store in dry rooms above 0° C.

The pump should not be switched on when the ambient temperature is lower than 5°C.

Photo 3

Gear module with hose connectors (connectors are included with the pump, hoses are not included)



5. Maintenance and cleaning of the pump



Pull the mains plug out before starting maintenance work!

The pump should be thoroughly washed before first use and after work. When washing, take particular care to prevent the motor and pump switch from getting wet (they can be covered with waterproof material during washing). After washing, rinse thoroughly with clean water and dry.

The appliance is washed in two phases: initial and final (disinfecting).

Initial phase - used to flush honey out from the gear module. After pumping / creaming, we do not dismantle the device.

Immediately after working with the appliance, we move the suction hose to a container with hot water placed above the pump and we pump around 40l of heated water to flush the pump module.

For this operation prepare approximately 40L of water heated to a temperature of 50°C to 60°C. This process protects the device against damage that can be caused by crystallized honey. If the device is not properly rinsed, the sealant on the shaft of the pumping module will rupture. Damage resulting from improper cleaning of the module is not covered by the warranty.

Final disinfection phase - disassemble the toothed module according to the photos below. For cleaning, you can use agents intended for disinfecting equipment that is intended to come into contact with food, after which rinse thoroughly, dry and reassemble.

1. unscrew 4 knobs from the gear module (from the front of the device).



2. remove the module from the mounting.



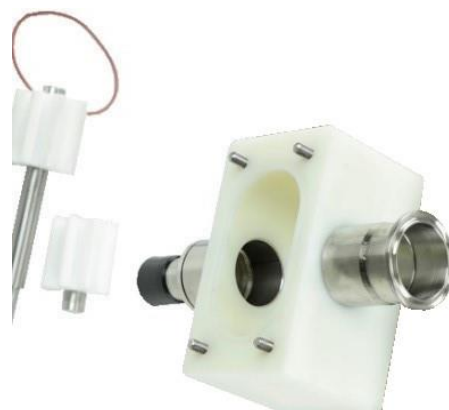
3. remove the transparent module cover.



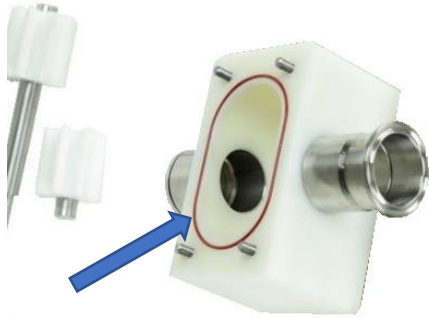
4. remove gears and rollers and clean everything thoroughly. Leave to dry.



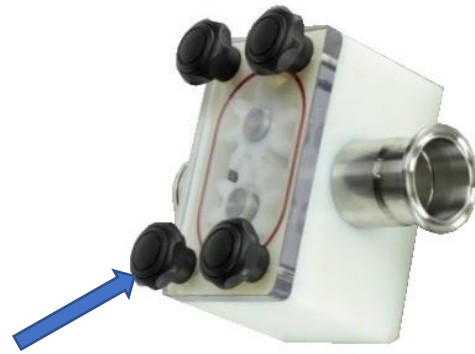
5. install the module casing.



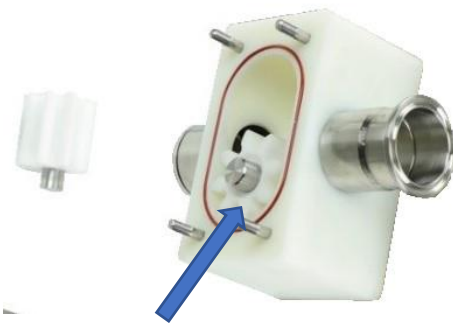
6. install the o-ring on the module casing.



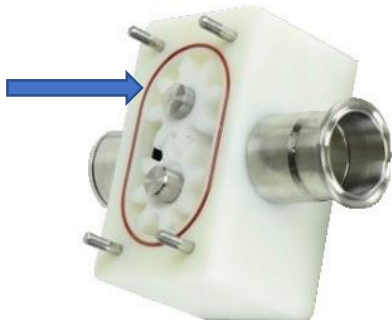
10. tighten the 4 knobs on the module.



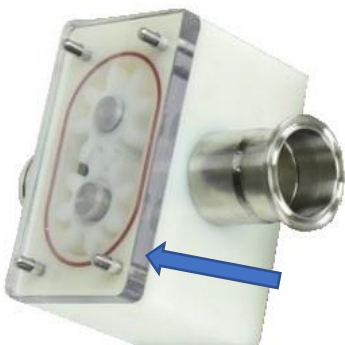
7. install the gear with the drive shaft (longer shaft)



8. install the second gear with the shaft



9. put the transparent module cover on.



6. Disposal

The used product is subject to the obligatory waste disposal in the local selective Electric and Electronic Waste Collection Points. The consumer has the right to return used equipment in the network of an electrical equipment distributor, directly and at least free of charge, provided that the returned device is of the correct type and performs the same function as the newly purchased device.

7. Warranty

Products purchased from "Lyson" are covered by the manufacturer's warranty.

The warranty period is 2 years.

A receipt or VAT invoice is issued for the purchased products.

Warranty details available at: www.lyson.com.pl