

**Manual**  
**Suction and discharging device for honey creaming and**  
**pumping**  
**(HONEY WORM PUMP 400V)**

**W20210S**



**LYSON**

**Przedsiębiorstwo Pszczelarskie Tomasz Łyson**

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## IMPORTANT!

Prior to device usage initiation, refer to the following manual and act according to the guidelines contained therein. The manufacturer shall not be held accountable for any damages caused by improper usage of the device or its improper handling



## ELECTRICAL SAFETY

1. Before the device is connected to the mains, one must make sure that controlling unit is switched off. The switch „**PRAWO-(RIGHT)**”; „**LEWO-(LEFT)**” shall be in “0” position!  
włączeniem urządzenia do sieci należy upewnić się, że sterowanie jest wyłączone. Przełącznik „**PRAWO**”; „**LEWO**” powinien znajdować się w pozycji „0”!
2. The device and power supply must be checked for their nominal voltage compatibility.
3. The device shall be connected to a plug with the voltage specified on the product nominal plate.
4. Power supply electric installation must be equipped with RCD with nominal tripping current  $I_n$  below 30 mA.
5. Functioning of overcurrent circuit breaker must be checked periodically.
6. Periodically check the power supply cable. If non-detachable power supply cable gets damaged and must be replaced, it must be performed at a guarantor's or by a specialised repair centre or by a qualified person in order to avoid any threat. Do not operate the device when the power supply cable is damaged.
7. During connecting to the mains, special precautions must be kept.
8. Do not pull the power supply cable
9. The power supply cable must be kept away from any heat sources, sharp edges and its proper state must be secured.
10. The device should be protected against humidity (also during storage)



## OPERATIONAL SAFETY

1. The following equipment is not intended to be used by persons with limited physical, sensory or mental capabilities (including children) or persons inexperienced or unfamiliar with that type of equipment unless the usage occurs under supervision or in line with the equipment operating manual provided by safety supervising persons.
2. One must prevent children from playing with the pump.
3. In case when the pump has got damaged, in order to avoid any danger, it may be repaired by a specialist repair centre or a qualified person to do so.
4. It is forbidden to operate the device in the vicinity of flammable materials.
5. No maintenance works can be performed when the device is in operation.

6. In case of any danger, pump operation must be stopped immediately.
7. The pump can be restarted when the threat has been eliminated.
8. The device may be activated indoors only.



It is forbidden to make repairs while the device is under operation.

## RECYCLING

Worn-out product must be removed as waste only within selective waste collection organised by the Network of Communal Electric and Electronic Waste Collecting Points. A customer is entitled to return the used equipment to the electrical equipment distributor network, at least free of charge and directly, if the device to be returned is of proper type and serves the same purpose as the newly purchased device

## Pump application



### Do not pump flammable substances !

#### STARTING WORK WITH A PUMP

1. Prior to starting the work the switch must be in “0” position „0”
2. Place of work must be kept as well-lit and properly cleaned.
3. Before usage, the pump must be cleaned thoroughly
4. While cleaning the pump one must take adequate precautions to prevent the engine and the pump controller from dampness.
5. Subsequently, the hose  $\varnothing$  40 must be connected to discharge spigot by means of a coupler (supplied with a pump).
6. Forcing must be submerged into the honey prior to start-up.
7. Connect the pump to the mains and check the forcing rotation while switching on the pump.
8. If the direction is different from the intended one, pump must be stopped and the direction must be altered on the controller.
9. After forcing, the device must be cleaned and dried

## PUMP MAINTENANCE

### IMPORTANT!

**Directly after work with the device**, the pump shall be placed to the tank containing warm water and we shall pump 40 l of heated water in order to rinse the worm of the pump. After termination of operation, the PUMP must be cleaned thoroughly in order to remove the remains of honey, remembering to protect electrical elements. The action may be repeated several times.

For the purposes of cleaning the suction and forcing device 40 l of heated water (50 to 60 degrees C) must be prepared. This process remain indispensable and protects the device against

damages that crystallized honey may cause (i.e. damaging the sealing, honey leakage). In case of improper maintenance, the sealing may be broken. Damages resulting from improper pump cleaning are not subject to the guarantee

**Storing**

Once the device operation has terminated, the device must be cleaned and dried.

Before every season, additional inspection for technical issues must be performed and in case when any faults are detected, a service centre must be contacted

**PREPARING THE DEVICE FOR OPERATION**

**NOTE!**

**PRIOR TO STARTING WORK WITH THE PUMP, IT MUST BE SUBMERGED INTO THE HONEY !!!**

**Guidelines :**

1. Connect the hose with a terminal and a clamp to the foreign spigot by means of clamp with a gasket.



2. Prior to pumping, the honey ought to be warmed up to the temperature of approximately 40°C

**The pump hose is not included.**

**PUMP DESCRIPTION**

- power 2,2 kW
- optimum efficiency 1500 L/h at honey temp 30° C
- Power supply 400V
- Efficiency from 1500 l/h to 3000 l/h
- 2800 rpm

**PUMPS WITH POWER SUPPLY OF 400 V**

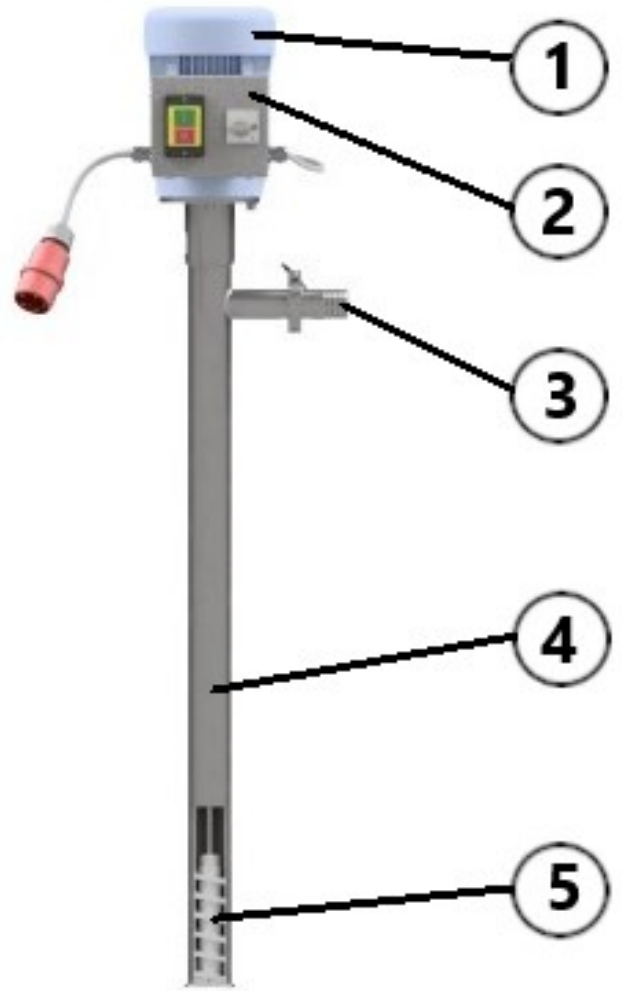
The pumps with the power supply of 400V has the controller with the knob "P" right, "L" left and "0" stop.

Depending on the electrical installation, the engine will rotate leftwards or rightwards.

Switch 'P'-right or "L"-left serves for selecting the worm rotating direction.

The pump is stopped by turning the switch to "0" position (stop)

**PRIOR TO PUMPING, CHECK THE ROTATION DIRECTION.**



- 1-motor
- 2-control
- 3-suction spigot
- 4-pump body
- 5-pump impeller

