

Instructions manual

Stainless Wax Melter/Frame steriliser with water seal and Gas Stool



Przedsiębiorstwo Pszczelarskie Łyson

Spółka z o.o.

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

www.lyson.eu, globalsales@lyson.com.pl

+48 33 870-47-68

The manual covers following devices (codes):

W4075UW, W4076UW, W4070UW

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Stainless wax melters with gas stool

1. General safety instructions

Before first use read the manual carefully and follow the instructions contained therein. The manufacturer is not liable for damage caused by equipment used inappropriately or by incorrect handling.



1.1. Operation safety

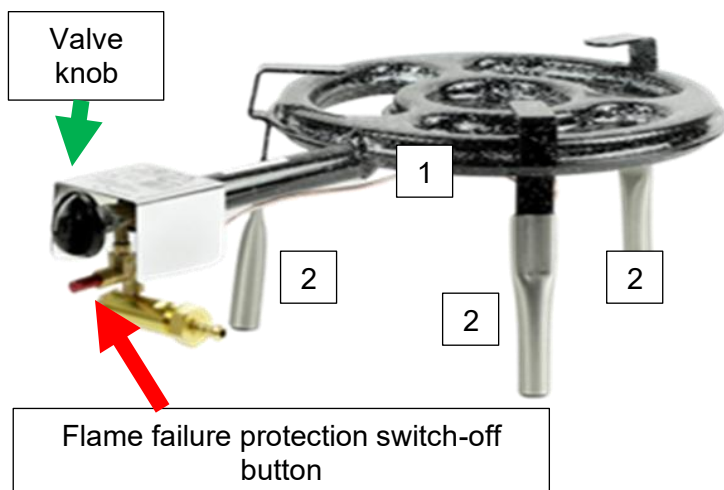
1. The device is not intended for use by persons (including children) with limited physical, sensory or mental abilities, or by inexperienced users, unless under supervision or with instructions given by an accountable party.
This device is not a toy, and shouldn't be used as one. Children should not to play with it.
2. In the event of damage to the device, to avoid any health and safety risks, repairs should be carried out only by qualified personnel.
3. Never carry out any maintenance or repairs during operation or if the device is plugged in!
4. In the event of any danger, immediately disconnect the gas cylinder and move away from the machine. The melter may be restarted after the hazard has been eliminated.



In the case of not following this instruction and if the installation is carried out by an unqualified person, there is a danger of damage to the device, property, fire, explosion, suffocation or other injuries that could result in permanent disability!

- After completing the installation of the unit, check the tightness of all connections using a leak tester (electronic or soap).
- Never use open flame to check for leaks!

2. OPERATING A GAS STOOL



Stool technical specification:

Power: 9,3 kW.

Material: Ceramics.

Height of the top edge without legs / with legs: 120 / 190 mm.

Spark gap: no.

Flame failure protection: yes.

Rings diameter 150 and 300 mm.

The knob allows precise regulation of heat and flame distribution.

In order to connect the propane butane, it is necessary to use a propane butane reducer (not included in the set - available in the offer - Code: REDB, Name: GAS CYLINDER REDUCER).

2.1. STOOL ASSEMBLY

1. Gas stool
2. Legs

The legs are used to increase the height of the stool (by 7 cm). They are applied as in the picture above.

2.2. CONNECTING THE CYLINDER TO THE STOOL

(A). The gas cylinder should be positioned vertically at a distance of at least 1.5 metres from the appliance.

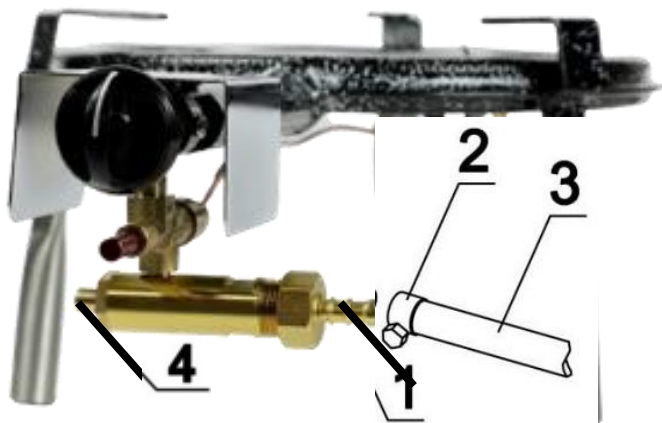
(B). The approved propane-butane gas hose (pos. 3) must be inserted into the connection coupling (pos. 1) and the gas regulator coupling.

(C). Check carefully that you have the correct diameter of hose.

(D). Make sure the hose is fixed very tightly.

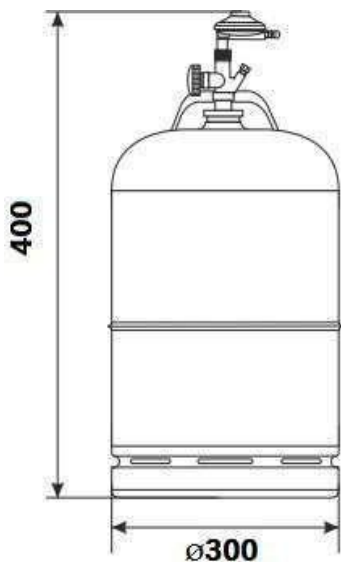
(E). Then apply hose clamps (pos. 2) to secure the hose to the connection port and the gas regulator port, and tighten them with a screwdriver or spanner.

(F). After the installation is complete, perform a leak test using a soapy water solution or an electronic gas tester.



PROPANE BUTANE

1. Connecting spigot Ø 10 mm
2. Hose ties
3. Certified gas hose for propane-butane
4. Spigot to check the pressure



Assembly manner for propane-butane reducer

Due to high power of the device, any operations with a valve, e.g. reducing, increasing, closing the gas supply, ought to be performed slowly. Otherwise, the flame may retract to the nozzle. If that has occurred, gas supply must be closed immediately. The stool is to be restarted after 2 minutes.

2.3. DEVICE ACTIVATION

Once the stool has been properly connected to the cylinder, the following actions must be performed: Press the switch-off button for the flame failure protection (thermocouple - see red arrow in the following figure). Then, keeping the off button pressed, also press the valve knob and slowly turn it counterclockwise by about ¼ turn (see green arrow in the figure below). Keeping the button and knob pressed, light the gas and once lit, wait 5 seconds (for the thermoelectric cable to start working), then release the button (activating the flame failure protection) and knob and adjust the flame to the desired size (using the knob).



2.4. DEVICE DEACTIVATION

After operations, turn the valve into position „●“ (for the starting position, see the green arrow in the figure above).

WARNING! After usage, the device must always be cleaned. Prior to cleaning, make sure that the gas stool has cooled down – there is a risk of burns.

Close the gas supply by tightening the taps. When the device is to be rotated while cleaning, disconnect the gas supplying hose

- (A). Prior to the maintenance, switch the device off and disconnect the gas supply hose.
- (B). Make sure the device has cooled down.
- (C). In order to prevent the device surface, clean it regularly.
- (D). Fat or food residues inside the device may cause a fire.
- (E). Clean the device with a wet cloth.
- (F). Apply the neutral cleaning agents only. The stool cannot be cleaned with abrasive agents, containing corrosive substances, bleaches or acids, avoid using acidic or alkaline substances (lemon juice, vinegar, etc.)
- (G). Do not clean the device with steam cleaners,
- (H). When cleaned, the device must be dried.

3. PERIODICAL CHECKS

Once the guarantee period has terminated, the device ought to be inspected at least once a year. Periodical checks must be performed by the persons qualified for repairs and maintenance of gas devices. The minimum range of the periodical check must include checking for proper operation, maintenance of the gas valves and gas tightness test. Periodical checks are not included into the costs of purchasing the device when performed outside the guarantee period.

Properly prepared stool with the reducer for connection to the gas cylinder.

4. DESCRIPTION OF OPERATION FOR WAX EXTRACTOR WITH A GAS

1. Fill the tank with water up to the level of the drain pipe as in the picture (Fig.1). Fill in the water (take special care not to burn yourself).
2. Fill the basket with frames or dry wax material.
3. Cover the device with the lid.
4. Place the stove under the unit so that the flame heats the entire surface of the bottom of the unit.
5. Wait for the steam to rise and for the melted wax to flow out.
6. When the wax has been melted check the water level and top up if necessary.
7. Fill the basket with frames or dry wax material again.
8. Repeat steps 6 and 7 until the melting process is completed.
9. When the process is finished turn off the burner and close the gas bottle.
10. Clean the basket of debris and prepare it for the next use.
11. This equipment is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience or familiarity with the equipment, unless supervised or in accordance with instructions given by those responsible for their safety.
12. Water should be filled through the inlet as in Fig.1.



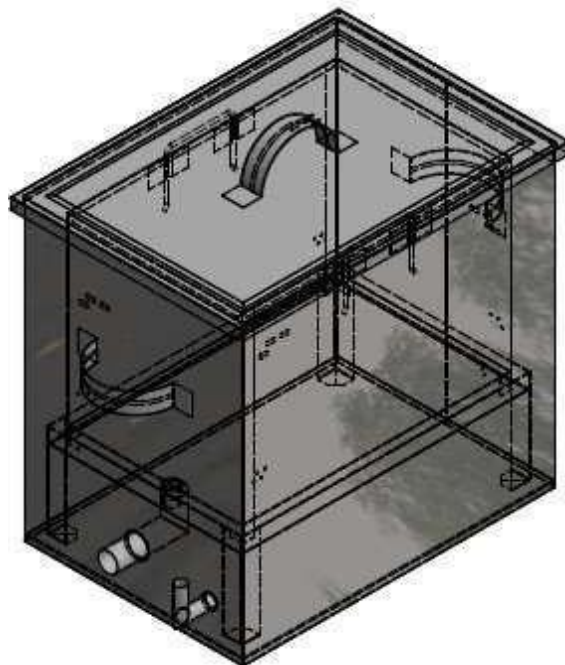
Fig.1.

Top up the water level up to the draining (pipe)
Fill up with water during operation.
Using a funnel, pour through the control opening
in order not to lose heat inside the melter
and to avoid scalding by hot steam.

5. Product description

These devices are intended to recover the wax from the frames or the dry matter itself by means of steam. It consists of an external water container and a basket containing the frames or dry wax matter. A gas stove is an accessory which, by heating up the water tank, produces steam.

5.1. Wax melter W4075UW



Device parameters:

- material - stainless steel

External tank dimensions:

- length - 515 mm
- width - 360 mm
- height - 495 mm

External frame basket dimensions:

- length – 455 mm
- width - 290 mm
- height – 330 mm
- drain diameter - 1"

GAS STOOL (Code: 43190001,

Name: GAS STOOL L-30 PRESSURE 28-37

MBAR): Length – 610 mm, width - 330 mm, height – 120 mm

Additional equipment (not included in the set, available in the offer):

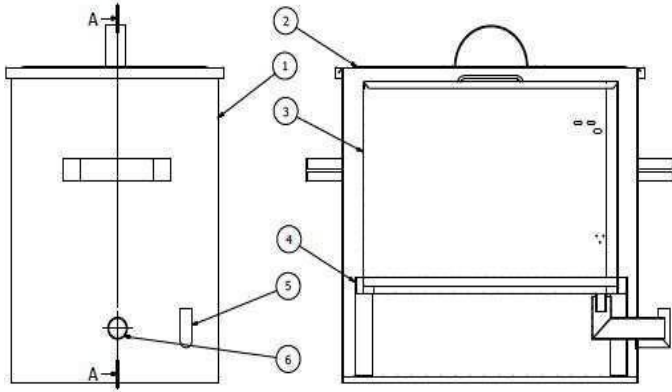
(Code: REDB, Name: GAS CYLINDER REDUCER)

Power supply – propane-butane (not included in the set, and in the offer).

Frame capacity:

- 8 frames Dadant hoffman
- 11 frames Dadant ordinary
- 8 frames Wielkopolska hoffman
- 11 frames Wielkopolska ordinary
- **Extended Warsaw frame DOES NOT FIT INTO a small wax extractor**

5.1.1. Schematics



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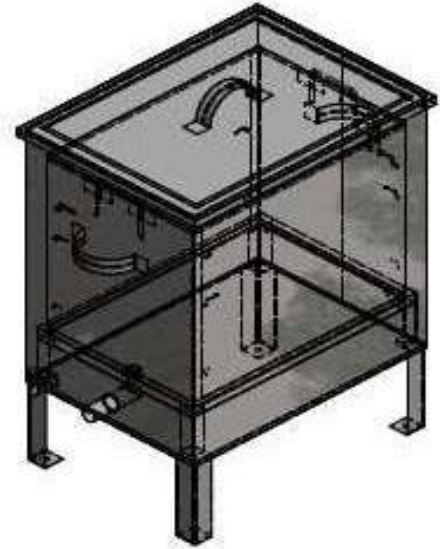
1. melter's tank
2. melter's lid
3. frame basket
4. basket base
5. water level pipe
6. wax drain tube

5.1.2. Water seal



The use of a water seal is intended to prevent the loss of steam coming out from under the cover of the fluxing machine. The ring (water seal) should be filled to the brim with water before the melter is operated.

5.2. Wax melter W4076UW



Device parameters:

- material – stainless steel

External tank dimensions:

- length - 580 mm
- width - 420 mm
- height - 610 mm

External frame basket dimensions:

- length – 530 mm
- width - 335 mm
- height – 440 mm
- drain diameter - 1"

GAS STOOL (Code: 43190001, Name: GAS STOOL L-30 PRESSURE 28-37 MBAR): Length – 610 mm, width - 330 mm, height – 120 mm

Additional equipment (not included in the set, available in the offer):

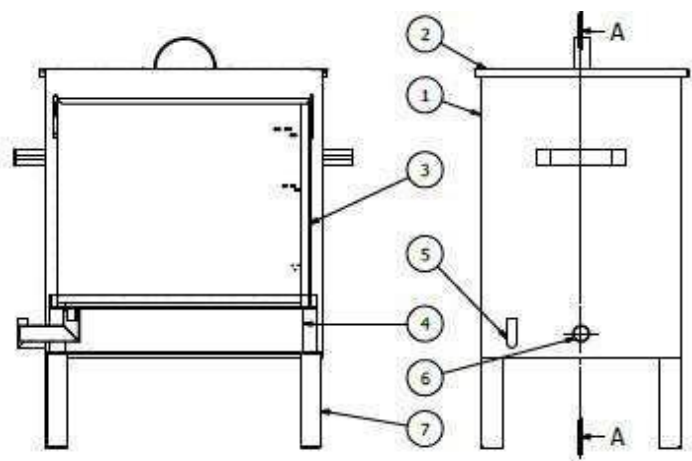
(Code: REDB, Name: GAS CYLINDER REDUCER)

Power supply – propane-butane (not included in the set, and in the offer).

Capacity for entire frames:

- 10 frames Dadant hoffman
- 14 frames Dadant ordinary
- 15 frames Wielkopolska hoffman
- 21 frames Wielkopolska ordinary
- 15 frames Extended Warsaw hoffman
- 21 frames Extended Warsaw ordinary

5.2.1. Schematics



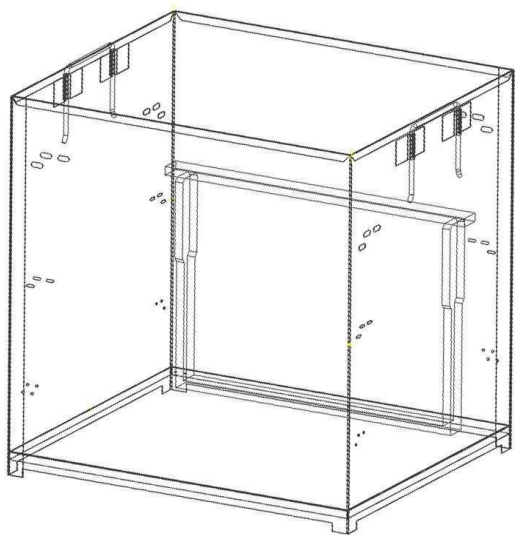
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- 1. melter's tank
- 2. melter's lid
- 3. frame basket
- 4. basket base
- 5. water level pipe
- 6. wax drain tube
- 7. legs

5.2.2. Positioning of frames

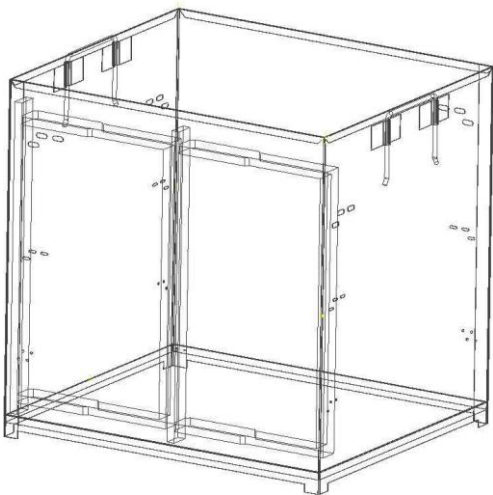
layout 1.

frame type	number of frames in the basket
Dadant	14 frames hoffman
Warsaw widened	14 frames hoffman
Warsaw standard	14 frames hoffman
Wielkopolska, Ostrowska	14 frames hoffman



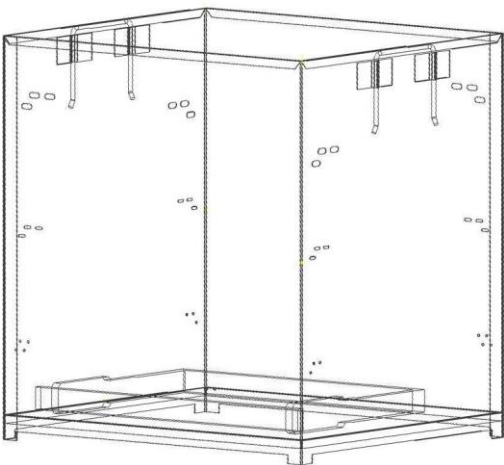
layout 2.

frame type	number of frames in the basket
Dadant	14 frames hoffman
Warsaw widened	14 frames hoffman
Warsaw standard	14 frames hoffman
Wielkopolska, Ostrowska	14 frames hoffman

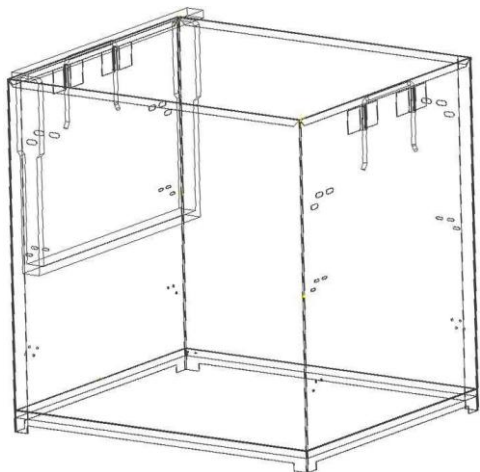


layout 3.

frame type	number of frames in the basket
Wielkopolska, Ostrowska	20 frames hoffman



layout 4.



frame type	number of frames in the basket
Dadant	12 frames hoffman
Warsaw widened	12 frames hoffman
Warsaw standard	12 frames hoffman
Wielkopolska, Ostrowska	12 frames hoffman

5.2.3. Water seal



The use of a water seal is intended to prevent the loss of steam coming out from under the cover of the fluxing machine. The ring (water seal) should be filled to the brim with water before the melter is operated.

5.3. Wax melter W4070UW

- Device parameters:
- material – stainless steel
 - material thickness 0,8mm, bottom 1 mm

External tank dimensions:

- length - 1050 mm
- width - 620 mm
- height - 940 mm

External frame basket dimensions:

- length – 875 mm
- width - 460 mm
- height – 455 mm
- drain diameter - 1”

GAS STOOL (Code: 43190001, Name: GAS STOOL L-30 PRESSURE 28-37 MBAR): Length – 610 mm, width - 330 mm, height – 120 mm

Additional equipment (not included in the set, available in the offer):

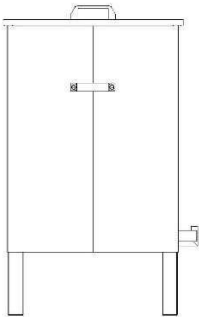
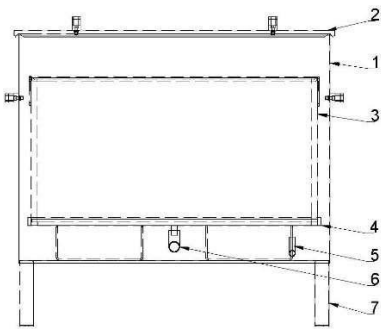
(Code: REDB, Name: GAS CYLINDER REDUCER)

Power supply – propane-butane (not included in the set, and in the offer).

Capacity for entire frames:

- 24 frames Dadant hoffman
- 34 frames Dadant ordinary
- 24 frames Wielkopolska hoffman
- 34 frames Wielkopolska ordinary
- 30 frames Extended Warsaw hoffman
- 44 frames Extended Warsaw ordinary

5.3.1. Schematics



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1. melter's tank
2. melter's lid
3. frame basket
4. basket base
5. water level pipe
6. wax drain tube
7. legs

5.3.2. Water seal



The use of a water seal is intended to prevent the loss of steam coming out from under the cover of the fluxing machine. The ring (water seal) should be filled to the brim with water before the melter is operated.

6. Cleaning and maintenance

An additional technical check should be carried out before the start of the pollen harvesting season, and if any defects are found, please contact the manufacturer.

After use, the wax melting unit must be thoroughly cleaned with hot water and a small amount of detergent approved for cleaning food equipment or with a pressure washer.



7. Waste disposal and environmental protection

The used product must be disposed in accordance with the local regulations. Return the device to a collection point from where it can be submitted for environmentally compatible recycling.

The consumer has the right to return used equipment directly to the manufacturer's distribution network, free of charge, while replacing it with a new unit as long as the used device is of the same kind and same application as the newly purchased device.

8. Warranty

The product purchased from the Lyson Company is covered by a manufacturer's warranty. The warranty period is 24 months from the date of purchase.

All purchased products come with receipts or VAT invoices.

Warranty details at: www.lyson.eu