

# User's guide **WOJTEK W**

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This sign marks information of special importance for personal safety and for proper operation of the unit

## 1. UNLOADING

The unit should be transported in an upright position, properly secured and stowed. The manufacturer sends the unit on a special wooden platform, secured by cardboard brackets and foil.

## 2. PRODUCT CHARACTERISTIC

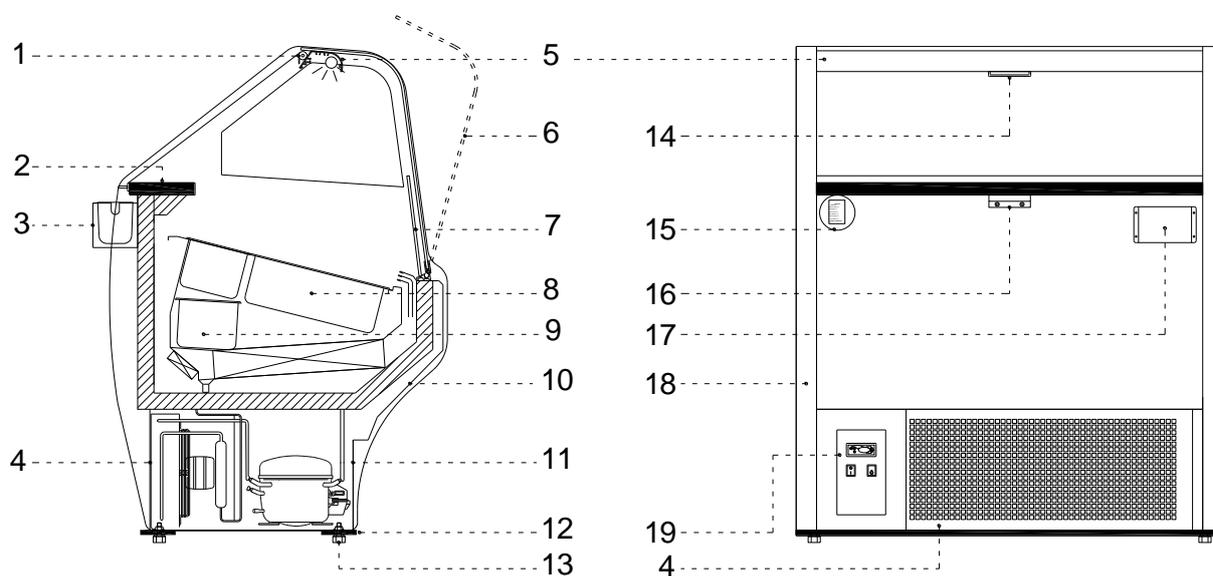
### 2.1. Purpose

The "Wojtek W" dispenser is a versatile freezing unit designed for display and short-term storage of ice cream in VGN containers at temperatures of  $-20^{\circ}\text{C}/-18^{\circ}\text{C}$  at an ambient temperature of  $+15^{\circ}\text{C}/+25^{\circ}\text{C}$  and relative humidity of up to 60%.

### 2.2. Unit description

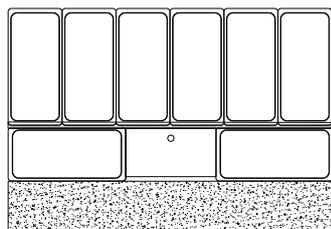
"Wojtek W" features dynamic cooling. It is equipped with automatic condensate evaporation and automatic defrosting functions. It also has an electronic thermostat cooperating with the

temperature recording module, which allows recording and signaling whenever the temperature inside the unit is too high or too low. The dispenser is equipped with a manual roller blind and interior lighting. "IGLOO" units are made in accordance with modern technologies and have the certifications required by law.

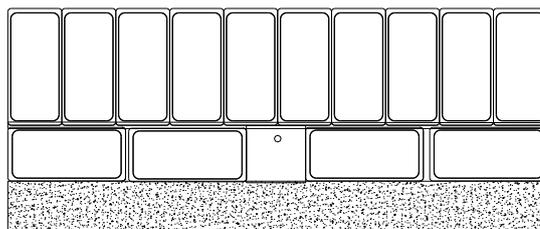


**Fig.1 Unit structure "Wojtek W"**

- 1 – Manual roller blind
- 2 – Worktop in stainless steel, acid-resistant
- 3 – Scoop washer
- 4 – Rear wind-chest (removal provides access to condenser fins) - **DO NOT BLOCK THE VENTS!!!**
- 5 – Aluminum lamp with backlight
- 6 – Front glass pane, bent
- 7 – Front screen
- 8 – VGN containers (display area)
- 9 – VGN containers (storage compartment)
- 10 – Unit front
- 11 – Unit base - **DO NOT BLOCK THE VENTS!!!**
- 12 - Wooden platform used to transport the unit
- 13 – Leveling feet for the unit
- 14 – Manual roller blind
- 15 - Nameplate
- 16 - Roller blind handle
- 17 - Rolling pin washer
- 18 – ABS sides
- 19 - Control panel (thermostat, switches)



**Wojtek 1.0 W**



**Wojtek 1.7 W**

**Fig.2 Distribution of VGN containers**

**Table 1 VGN containers**

Unit name	Wojtek 1.0 W	Wojtek 1.7 W
Number of VGN containers [pc]	8	14
Number of VGN containers in storage compartment [pc]	2	4
Max weight in 1 container [kg]	8	8

## 2.3. Specifications

**Table 2 Specifications**

Unit name	Rated voltage [V/Hz]	Rated current [A]	Rated power of lighting [W]	Power consumption [kWh/24h]	Cooling area [m <sup>2</sup> ]	Usable capacity [dm <sup>3</sup> ]	Unit weight [kg]
Wojtek 1.0 W	230/50	3.8	30	10.6	0.46	104	140
Wojtek 1.7 W	230/50	7.6	58	20.9	0.8	173	200

## 3. PREPARING THE UNIT FOR OPERATION

### 3.1. Requirements for the installation site

- Make sure the cross section of power cables is adequate for the unit's power consumption
- Do not connect the unit through extension cords or distributors
- The device must be connected to a separate, properly made electrical circuit with a pin protected socket (acc. to PBUE)



The unit may only be started after the electric shock protection has been proven effective by the results of measurements carried out in accordance with applicable regulations!

### 3.2. Connection and commissioning

- Unpack the unit and remove the wooden platform at its base [Fig.3 \(p.5\)](#)
- Place the device on a flat and sufficiently hard surface, and then level it with legs
- Remove the protective film from the glass-case elements
- **Cleaning the unit for the first time** should be carried out after unpacking the unit and before commissioning. The unit should be cleaned with water at a temperature of up to 40°C with added neutral cleaning agents. **Do not use agents containing chlorine and sodium varieties to wash and clean the unit, as they would compromise the protective layer and the unit's components!** Any residual glue or silicone on the unit's metal components should only be removed using petroleum ether (does not apply to items made of plastic!). Do not use other organic solvents.



It is forbidden to use water jets when washing the machine. The unit should be cleaned with a damp cloth.

- If the unit gets to the customer partially disassembled for protection during transport, perform the following steps:
  1. Place the crossbars in VGN containers
  2. Place the VGN containers as per *Fig.2 (p.4)*
  3. Put on the front screen *Fig.1/7 (p.3)*



After the installation of the unit at its target location has been completed, leave it to rest for at least 2 hours before switching on (for devices with internal unit), so that the oil level is established to prevent problems while starting the chiller!

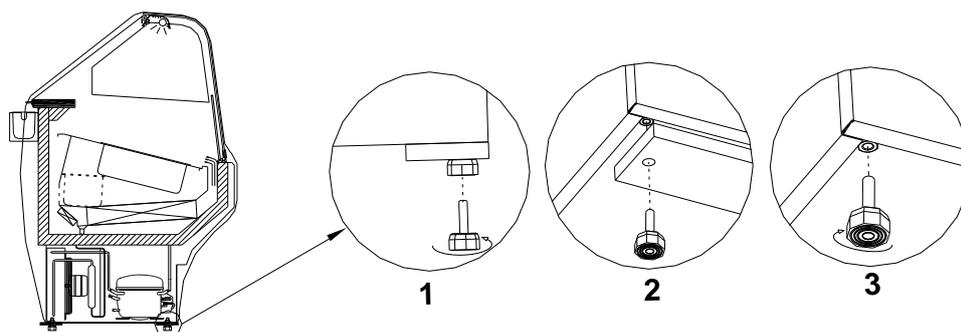
**WARNING: Protect the refrigerant circuit against damage!**

- Insert the connection cable directly into the socket (it is forbidden to connect the device via extension cords or distributors!)



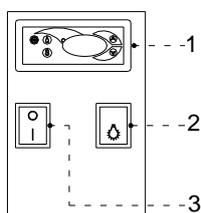
AC wall outlets (optional) can be used to power the cash register, scales, and other receivers with a power not exceeding 500W!

- Switch on the main switch *Fig.4/3 (p.5)*, which will start the thermostat, and then unit's aggregate
- Set the temperature in the thermostat panel *Fig.4/1 (p.5)* (detailed manual on *p.10 or 11*)
- Switch on the light *Fig.4/2 (p.5)*



**Fig.3 Removing the wooden platform**

- 1 – Unscrew the legs of the platform
- 2 – Remove the wooden platform
- 3 – Screw the legs into the nuts welded to the frame of the unit



**Fig.4 Control panel**

- 1 – Thermostat panel (temperature control) (detailed manual in Section 7 p.10 and 11)
- 2 – Light switch (lamp)
- 3 - Main switch (enables/disables the unit's aggregate)

## 4. OPERATION

The temperature of the refrigerated space and the cycle of the unit's operation may fluctuate. These depend on a number of factors, e.g. the quantity and temperature of the items placed inside, and ambient temperature. The unit should be placed in a dry, well ventilated place

without direct sunlight, ensuring good air exchange (min. distance between the wall and the unit 10 cm), away from heat sources and equipment forcing air flow (ceiling fans and portable fans, blower heaters). The unit functions properly in an environment where the temperature fits in the suitable climatic class indicated on the nameplate. The unit's operation may deteriorate if it is running for a long time at a temperature higher or lower than the specified range.



### Notes and Tips

- The glass-case should be properly leveled, which will prevent noisy operation and provide for proper drainage of water (condensate) while defrosting
- After transporting the unit, wait about 2 hours prior to its commissioning
- The first filling of the freezing space should be carried out after it has cooled down to operating temperature. This principle should also be observed after a longer break in operation
- Do not block any vents, as this could hamper the circulation of cooled air. You should also ensure proper air circulation around the unit (never cover the aggregate vents!)
- Keep the condenser clean. Impurities can cause the compressor to overheat and ultimately lead to failure of the unit, which is not covered by warranty.
- Do not use electrical appliances inside the food storing compartment.
- In the case of glass-case operation without having to present goods (night work; closed booth; confectionery), lower the blind in order to reduce electricity consumption!

## 4.1. Temperature control



Details on the operation of "Igloo" and "Carel" thermostats (temperature control) can be found in Section [7 \(p. 10 and 11\)](#)

The primary purpose of a thermostat is to control the cooling unit so as to reach the desired temperature inside the unit and keep it within certain ranges. All temperature control settings necessary for the normal functioning of the unit are entered by the manufacturer. The user should check and set the desired temperature on the control panel inside the machine prior to first start-up.

Digital display – displays the current temperature inside the unit.



Any interference with the factory settings of the thermostat will void the warranty!

## 5. MAINTENANCE

### 5.1. Cleaning and maintenance



All maintenance should be carried out when the device is disconnected from the power supply!



Protect the electrical installation against damage or flooding



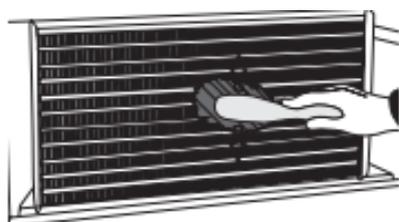
It is forbidden to use water jets when washing the machine. The unit should be cleaned with a damp cloth.

**!** Do not use any sharp objects to remove dirt!

**Once a month**, it is recommended to stop the unit operation to clean the interior, allow natural defrosting of the evaporator and clean the condenser.

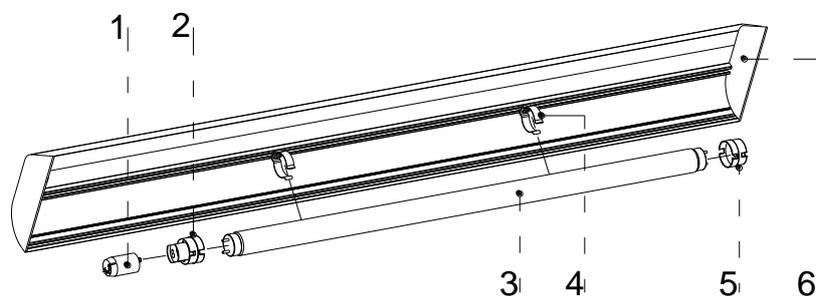
**!** Do not use mechanical means to accelerate the defrosting process!

**The unit's condenser** should be kept clean. Impurities impede heat transfer, resulting in e.g. increased electricity consumption, and can cause damage to the compressor unit. To clean the condenser, unscrew the self-tapping screws and remove the wind-chest. Clean the condenser fins with a soft brush. In case of severe soiling (clogging fins) of the condenser, it is advisable to use a vacuum cleaner or compressed nitrogen to suck / blow out dirt located between the fins.



**Fig.5** Cleaning the condenser

**!** The manufacturer is not liable for damage to the condensing unit arising from failure to clean the condenser!



**Fig.6** Lamp replacement

- 1 - Lamp igniter
- 2 - Lamp and igniter fitting
- 3 - Lamp
- 4 - Lamp holder
- 5 - Lamp fitting
- 6 - Aluminum lamp

**!** The unit's components **may corrode when used or maintained improperly. Please follow** these rules:

- Avoid contact between the unit's surface and agents containing chlorine and/or variants of sodium, as this would compromise their protective layer and the unit's components (also applies to various grades of stainless steel)

**!** During maintenance, be careful not to damage the unit's nameplate *Fig.7 (p.10)*, as it contains important information for maintenance technicians and waste disposal companies.

## 6. SERVICE

## 6.1. Identification and repair of faults

In the event of any problems during commissioning or operation of the unit, return to these Sections of the manual that explain the operations to be performed. This is to make sure the device is handled properly. If the problem persists, the following tips will help in its removal.

### **Unit not working...- Make sure that:**

- The unit is connected to the mains
- The voltage and frequency in the mains are suitable for those recommended by the manufacturer (see nameplate)
- The main switch is on
- The thermostat is on (*applies to Igloo thermostat – If the screen only displays two dots - turn the thermostat on*)

### **Unit working, the light is off...- Make sure that:**

- The light switch is in the ON position
- The lamp or the igniter in the unit have not burned out

### **Unit does not reach appropriate temperature, the light is on...- Make sure that:**

- The main switch is in the ON position
- The temperature is properly set on the thermostat
- The thermostat works properly
- The condenser is not dirty, clean if necessary
- Ambient temperature is not higher than 25°C
- There have been enough time to cool the products
- The vents of the unit are not obstructed

### **(Applies to "IGLOO" thermostat) The thermostat displays C0 or C1 or C2 instead of temperature:**

This is the case if one of the sensors of the controller has been damaged; the following error messages can be displayed:

- C0 – temperature sensor inside the compartment damaged - contact an authorized technician
- C1 – evaporator sensor damaged - contact an authorized technician
- C2 – condenser alarm sensor damaged (or second evaporator sensor damaged) – contact an authorized technician

### **(Applies to "CAREL" thermostat) Thermostat displays E0 or E1 or L0 or HI or EE or Ed or DF instead of temperature:**

- E0 - temperature sensor inside the compartment damaged - *contact an authorized technician*
- E1 - evaporator sensor damaged - *contact an authorized technician*
- L0 – low temperature alert (lower than the preset range inside the unit) - *contact an authorized technician*
- HI - high temperature alert - *contact an authorized technician*
- EE - controller internal error - *contact an authorized technician*
- Ed – max. defrost time exceeded
- DF – defrosting in progress (this is not an error message)

### **(Applies to "IGLOO" thermostat) Unit working, sound signaling activated...- Make sure that**

- The condenser is not dirty, clean if necessary
- The condenser fan is working
- Ambient temperature is not higher than 25°C

**Unit is too noisy...- Make sure that**

- The unit is stable
- The furniture adjacent to the unit does not vibrate when the chiller compressor is working

 Noises made by the working unit are normal. The unit includes fans and compressor motors, which turn on and off automatically. **Every compressor produces a noise while working. These sounds are generated by the motor unit and by the refrigerant flowing in the circuit. This phenomenon is a technical feature of refrigeration equipment and does not indicate faulty work.**

 **The deposition of water vapor on the unit's glass panes at high relative humidity above 60% is a natural phenomenon and does not require a service call!**

 In case of exceeding the ambient conditions as per the third climate class (relative humidity above 60%) water may overflow from the system with automatic condensate evaporation (evaporator). **This does not indicate malfunction and does not require a service call.**

## 6.2. Service

Phone number to IGLOO service: +48 (14) 662 19 56 or +48 605 606 071

e-mail: serwis@igloo.pl

If the unit still does not work properly after checking the steps in Section 6.1 "Identification and repair of faults", please contact Igloo Technical Service, giving information on the nameplate Fig.7 (p.10)

- Serial number (NS)
  - Date of manufacture
  - Type (name of the unit)
- and
- Date of purchase
  - Description of the problem
  - Your exact address and phone number including your area code

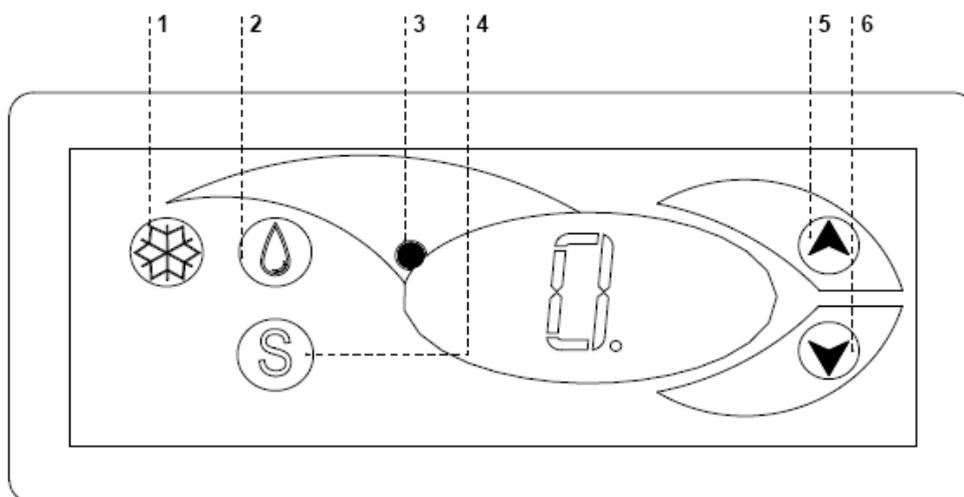


**Fig.7 Nameplate**

 The above figure shows an example of a nameplate and the data contained therein are sample data that do not necessarily refer to "Wojtek W"!

## 7. THERMOSTAT OPERATION

### 7.1. "IGLOO" thermostat



**Fig.8 "Igloo" thermostat panel**

- 1 – On/off button for cooling
- 2 – Manual defrost button
- 3 – Indicator of the unit's operation and defrosting
- 4 - Temperature preview button on the defrost sensor
- 5 – Temperature up button
- 6 – Temperature down button

**Checking the preset temperature (inside the unit)** – You can check the preset temperature by pressing "▲" or "▼" once. The screen will show the set temperature with a blinking red dot (LED) next to it. The preview will end automatically after about 3 seconds.

**Decreasing (or increasing) the temperature** – press "▼" (or "▲"), and the panel will display the set temperature. By pressing "▼", you will reduce the temperature to your desired value. The function is exited automatically after about 3 sec.

**Manual defrosting** – button **No. 2** allows activating the defrost cycle at any time during the unit's operation (regardless of the automatic defrost); the button does not work when the temperature is higher than the defrost temperature.

 It is recommended that you turn the unit on/off using only the main switch, and not the button on the thermostat panel. Switching on the main switch automatically switches on the thermostat!

\* More info at [www.igloo.pl](http://www.igloo.pl)

## 7.2. "CAREL" thermostat

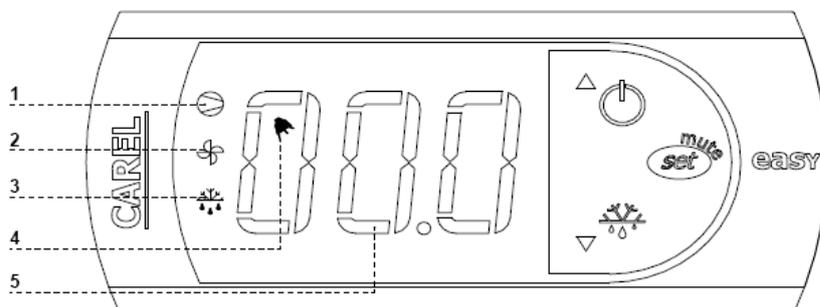


Fig.9 "Carel" thermostat panel

### THE MEANING OF LEDs ON THE DISPLAY

**LED 1 is lit - Compressor:** this symbol is visible when the compressor is working. It flashes when the compressor start is delayed by a safeguard procedure. It blinks in the cycle: two flashes - pause, when running in continuous mode.

**LED 2 is lit - Fan:** this symbol is visible when the evaporator fans are working. It flashes when the fans' start is delayed by external shutoff, or when another procedure is in progress.

**LED 3 is lit - Defrosting:** this symbol is visible when the defrosting function is on. It flashes when the defrosting start is delayed by external shutoff, or when another procedure is in progress

**LED 4 is lit - Alarm:** this symbol is visible when an alarm is active

**5** – displays the current temperature inside the unit (decimal values shown following a comma)

### SETTING THE DESIRED TEMPERATURE

- press  for 1 second: the set value will appear on the screen;

- increase or decrease the set value using  and  , until you have reached your desired value;

- press  again to confirm your new settings;

### FORCING MANUAL DEFROST CYCLE

Defrosting is done automatically. However, you can force it any time by pressing and holding  for at least 5 seconds. LED 1 blinks during manual defrost.

\* More info at [www.alfaco.pl](http://www.alfaco.pl)

**NOTE: IF YOU DO NOT APPLY THE PRINCIPLES CONTAINED HEREIN CONCERNING THE CONNECTION AND OPERATION OF THE UNIT, THE MANUFACTURER RESERVES THE RIGHT TO WAIVE ITS GUARANTOR DUTIES!!!**

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