



# BIOLAN

Keep these instructions

## ICELETT

### Instructions for use

Biolan Icelett 20 is an odourless, clean and eco-friendly toilet. Icelett is placed on the floor. No water or a drain is required for its operation – just electricity is enough. The operating principle of the device is freezing of waste. The unit cools the waste to -15 degrees at which point the microbial activity stops. Icelett has a hinged, insulated and dampened soft close lid that can be removed for cleaning.

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\* Accessories for toilets and composting products at the Biolan online store: [www.biolan.fi](http://www.biolan.fi)

# (EN) INSTRUCTIONS FOR USE

## 1. PLANNING AND INSTALLATION

In the placement of the Biolan Icelett 20, make sure that the space has electricity supply and ample room for the use and maintenance of the unit. The toilet unit is not connected to the ventilation system or the drain. Place the unit horizontally on the floor. Plan the composting or other disposal of toilet waste in connection with the installation of the toilet unit.

### 1.1 Dimensions and specifications

- capacity: 1-5 people
  - dimensions 64 x 44 x 51 cm (L x W x H)
  - seat height 48 cm
  - inner vessel volume 20 l
  - length of the power cord 2.5 m
  - weight 28 kg
  - voltage 230 V
  - output 46 W
  - fuse min. 10 A
  - power consumption: average 0.48 kWh/day
- Contents of delivery: toilet device and biodegradable bags 15 pcs

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### 1.2 Placement in the toilet

The unit is installed in warm indoor space. Icelett 20 can also be installed in a space with underfloor heating. The optimum room temperature is +10 - 22 °C. Install the unit horizontally. The legs of the unit can be adjusted by twisting them to allow you to position the unit horizontally.

**When moving the unit, grip it as low as possible. Do not lift from the seat ring.**

## 2. USE AND MAINTENANCE

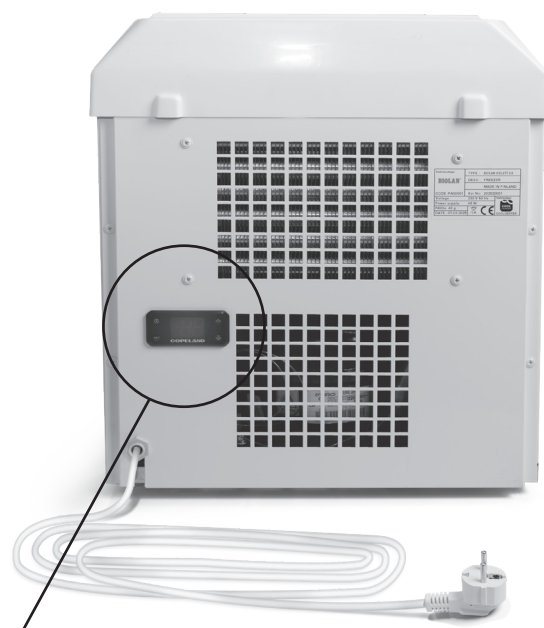
### 2.1 Prior to use

After transport, wait one hour before starting the unit to ensure that the oil has returned from the pipeline.

- Check that the unit is horizontal. If necessary, adjust the legs of the device.
- Push the bottom of the biodegradable bag to the bottom of the vessel and fold the edges of the bag over the edges of the vessel.
- Insert the pail into the device. The pail is correctly in place when the seat ring and lid close well.
- Insert the plug into the wall, the device will turn on. The toilet can be used immediately.

### 2.2 Freezing temperature setting

The freezing temperature is pre-set at the factory at -15 degrees Celsius, where the unit operates between -12 and -16 degrees Celsius. There is no need to touch the device setting. However, if the adjustment has changed, the device controller instructions can be found on our website [www.biolan.fi](http://www.biolan.fi)



Adjuster. Pre-set at the factory with the correct values, no need to adjust.

### 2.3 What can I put in the Icelett?

Icelett is intended for compostable toilet waste, including toilet paper. Do not put anything in the toilet that impedes the function of the compost, does not compost or may cause a fire hazard, such as:

- debris, sanitary towels
- chemicals, lime
- detergents, washing water
- matches, ash, cigarette butts

### 2.4 Using the bulking material

In Biolan Icelett 20, there is no need to use a bulking material; adding it to the post-composting process is sufficient. For visual reasons, you can use Biolan's bulking material on the toilet waste. At the same time, the need to add bulking material in the composting stage is reduced.

### 2.5 Emptying

The emptying interval of Icelett depends on the amount of use. Empty the vessel no later than when about 2/3 of the vessel has been filled.

Emptying:

- Turn the edges of the bag inside the vessel and lift the vessel out of the appliance.
- Compost toilet waste in a suitable composter or dispose of it according to the regulations in your area.
- Put plenty of bulking matter in the compost before adding toilet waste to bind the liquid.
- For example, pierce the surface of the bag with a manure fork or a compost mixer\*. Finally, cover with a generous layer of Biolan bulking material.
- Check whether ice has accumulated on the edges of the pail.

Defrost if necessary and dry. Also dry the walls of the pail before putting in a new bag.

## 2.6 Cleaning

Clean Biolan Icelett by wiping with a damp rag. You can use all common household cleaners. Avoid using excessive amounts of water when cleaning the appliance.

The pail can be washed with water, when removed from the unit. Dry the pail before putting it in place. You can also remove the lid for cleaning. Press the buttons on the outer edges of the hinges and lift the seat cover up. Do not use water to clean the back wall. Vacuum the back wall of the device at least once a year.

## 2.7 Longer breaks in operation

If the device is not used for a long time:

- Unplug the unit from the socket.
- Empty the unit.
- Clean and dry the freezing basin of the unit as well as the vessel.
- Leave the seat lid open.

## 3. COMPOSTING TOILET WASTE

Waste discharged from Biolan Icelett requires composting before reuse.

Compost the waste in a composter suitable for toilet waste. You can compost toilet waste as such, with garden waste and household biowaste. In composting, consider local rules and regulations for waste management and sufficient safety distances to neighbours, wells and waterways.

## 4. TROUBLESHOOTING

### 4.1 The device does not work

Check that:

- The plug is in the socket.
- The unit has power supply and the display on the control panel is illuminated.

### 4.2 The waste does not freeze or freezes slowly

The waste freezes more slowly if the number of users and the loading are very large. If use has been standard, check that:

- The room temperature does not exceed + 25°C.
- The unit is not in the immediate vicinity of a radiator.
- There is no layer of ice on the walls of the cooling basin.
- If ice is present, empty and defrost the device according to instructions 2.5 - 2.7.

### 4.3 The operating sound of the device is abnormal

The bubbling or hissing noises from the cooling circuit of the unit are normal sounds for a refrigeration unit. If the sound is not normal, check that:

- The unit stands firmly on all four legs.
- The unit is not in contact with a water pipe, wall or other piece of furniture.



During transport, compressor oil may have entered the pipeline. Wait one hour before starting the unit to allow the oil to return.



For more information on regulations concerning composting, contact your local waste advisor. For more information on composting, visit [www.biolan.com](http://www.biolan.com).

## 5. RECYCLING THE PRODUCT

When decommissioning Biolan Icelett, take it to a refrigeration collection point for proper dismantling. Always follow the regional and collection-point specific instructions.

For the latest product information, see [www.biolan.fi](http://www.biolan.fi)

## WARRANTY

The warranty (2 years) is valid for consumer use.

1. The warranty is valid from the date of purchase and covers possible defects in material and workmanship. The warranty does not cover any indirect damage.
2. Biolan Oy reserves the right to either repair or replace damaged parts at its discretion.
3. Any damage resulting from careless or forcible handling of the device, failure to observe the operating instructions, or normal wear and tear are not covered by this warranty.

In warranty-related matters, please consult Biolan Oy directly.

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