

**EN**

INSTRUCTIONS FOR USE

Before using the product, please read the information in this manual and follow all instructions.

Biogents CO₂ CONTROL SET™



See the instruction videos

 **@Biogents**

 **biogents**

 **Biogents**

 **@Biogents**



TABLE OF CONTENTS

• Instructions for Use	03
• What's in my Box?	04
• Assembly is Easy!	05-06
• CO ₂ Options	07
• Information about CO ₂	08
• Connecting a 5-10 kg CO ₂ Cylinder	09
• Connecting a 425 g CO ₂ Cylinder	10
• MyBiogents APP	11
• CO ₂ Controller	12
• Installation with the BG-Mosquitaire trap	13
• Warning - Safety Instructions	14
• Technical Data	15
• Contact & Manufacturer's Warranty	16



INSTRUCTIONS FOR USE

Product information

Model: Biogents CO₂ CONTROL SET

Use and operation

The combination of the Biogents outdoor mosquito trap and the Biogents SWEETSCENT scent attractant is already very effective at attracting and capturing tiger mosquitoes. However, the addition of carbon dioxide* (CO₂), which mimics human breathing, further increases the mosquito capture rate considerably. The Biogents CO₂ boost kit and the MyBiogents APP allow you to adjust and control the emission of CO₂:

CO₂ CONTROL SET

- Captures 5 times more tiger mosquitoes**
- Captures **all other mosquito species, including house and flood water mosquitoes**
- Compatible with all CO₂ cylinders, including 425 g CO₂ cylinders for sparkling water with screw caps

MyBiogents APP

- Setting of CO₂ emission time frames
- Notification of CO₂ and attractant replacement
- Advice and videos



*CO₂ bottle not included

**compared to using the trap without CO₂



WHAT'S IN MY BOX?

- ① CO₂ controller (Bluetooth[®])
- ② Power cable (2 m)
- ③ Y-shaped electrical cable for connecting the CO₂ controller to the trap
- ④ CO₂ nozzle
- ⑤ CO₂ tubing (2 m)

Accessories for CO₂ cylinder 425 g

- ⑥ Adapter
- ⑦ Support bracket
- ⑧ Anchor for mounting bracket in the ground



Information about the BG-Mosquitaire trap

If you own a BG-Mosquitaire trap, you will need a compatibility kit which you can obtain free of charge here:



You will find installation information on page 13.



You will also need:





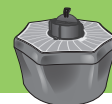
ASSEMBLY IS EASY!

With AERO TRAP



AERO TRAP

If you own a BG-Mosquitaire,
please refer to page 13.



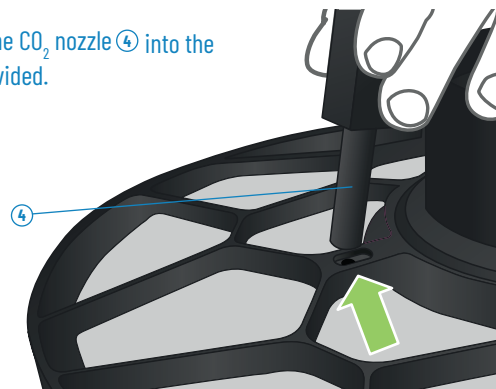
BG-Mosquitaire

Connecting the CO₂ tube

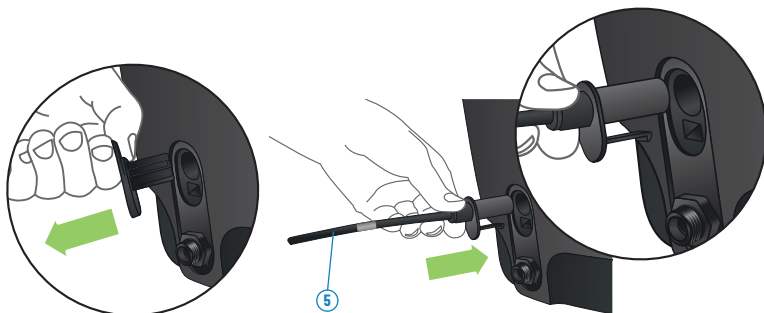
- A** Remove the "CO₂" cover from the top of the trap.



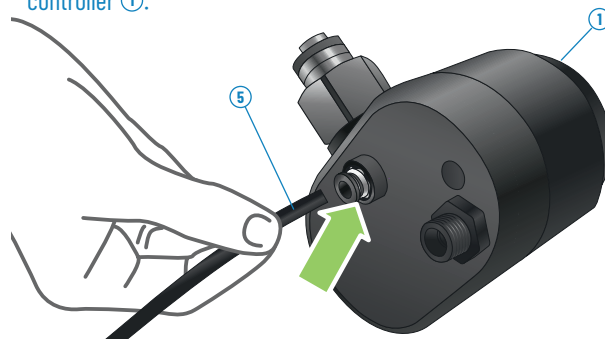
- B** Insert the CO₂ nozzle ④ into the slot provided.



- C** Remove the cover on the side of the trap, then insert the end of the CO₂ tube ⑤. Note: once connected, it cannot be removed



- D** Firmly insert the other end of the CO₂ tube ⑤ into the controller ①.



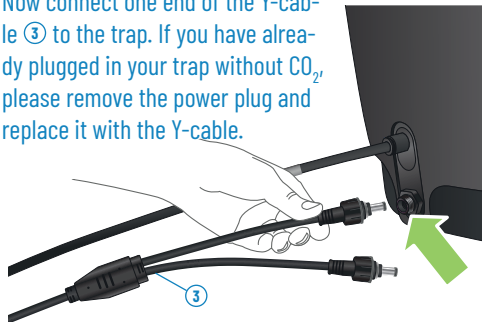


ASSEMBLY IS EASY!

Connecting the electrical cables

Connecting the trap to the power supply

- E** Now connect one end of the Y-cable ③ to the trap. If you have already plugged in your trap without CO₂, please remove the power plug and replace it with the Y-cable.

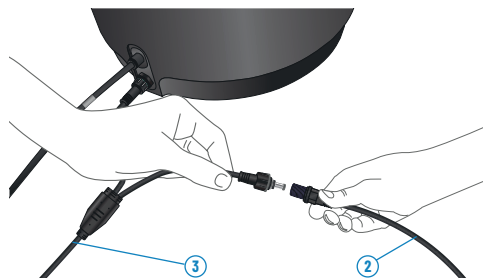


- F** Connect the electrical cable (included with the AERO TRAP) to the Y-cable ③, then connect the other end of the electrical cable to the power supply unit (included with the AERO TRAP). Plug the power supply unit into a safe, waterproof electrical socket. The flap opens as soon as the trap is on.

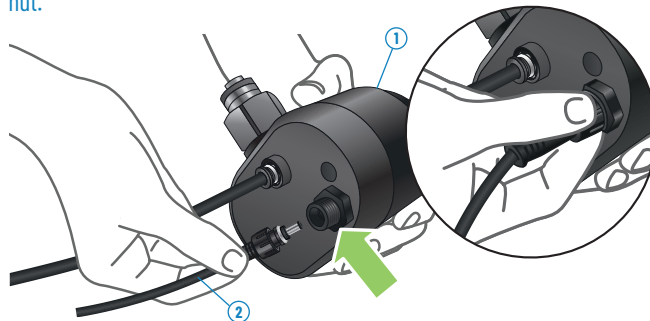


Connecting the CO₂ controller to the trap

- G** Connect the electrical cable ② from the controller to the other end of the Y-cable ③.



- H** Connect the other end of this electrical cable ② to the controller ① and secure it with the nut.



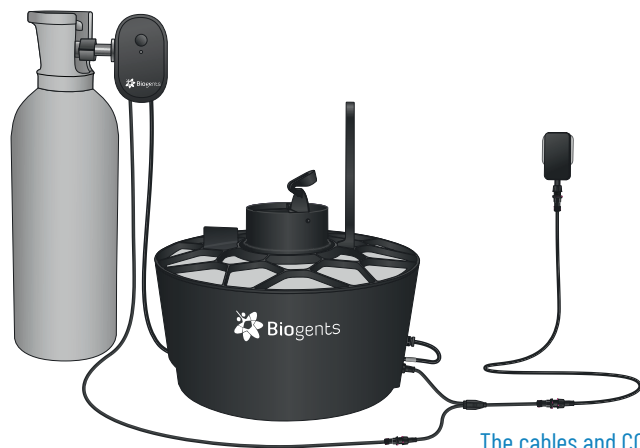


2 CO₂ OPTIONS FOR 2 DIFFERENT PURPOSES

The CO₂ CONTROL SET is compatible
with all CO₂ cylinders.

Permanent boost

Connection to a 5 to 10 kg CO₂ cylinder for a permanent boost and maximum long-term efficiency. See page 9.



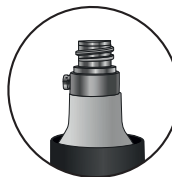
The cables and CO₂ controller are water resistant.

Caution

The use of CO₂ does not replace the use of Biogents SWEETSCENT attractant: it is the combination of the two that most accurately replicates human presence.

Boost up to 3 days

Connection to a 425 g sparkling water cylinder (with screw cap) for up to 3 days: for weekends, periods of high mosquito activity, emergencies or to easily try out using CO₂ with your trap! See page 10.



Screw cap





INFORMATION ABOUT CO₂

WHERE CAN YOU FIND CO₂?

The AERO TRAP PLUS trap requires a CO₂ cylinder (not supplied).

PERMANENT BOOST

For a permanent boost, Biogents recommends using a 10 kg cylinder, available from specialist shops or online.

BOOST FOR 3 UP TO DAYS

For a boost up to 3 days, Biogents recommends 425 g CO₂ bottles with screw caps, **available in stores**.

HOW TO INSTALL THE BOTTLE?



Not in direct sunlight



Outdoors



Vertically



HOW LONG DOES A CO₂ CYLINDER LAST?

Recommended periods
for CO₂ emissions:

Estimated lifespan of a CO₂
cylinder:

HOUSE MOSQUITOES

3:00 - 5:00
20:00 - 24:00



3 days



80 days

FLOODWATER MOSQUITOES

7:00-23:00



1,5 days



30 days

TIGER MOSQUITOES

8:00 - 10:00
16:00 - 23:00



2 days



50 days

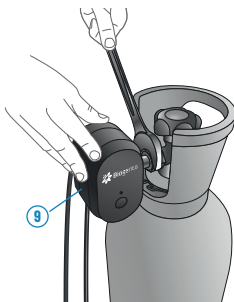
Not sure what type of mosquitoes you are dealing with? You can identify mosquito species in the MyBiogents APP.



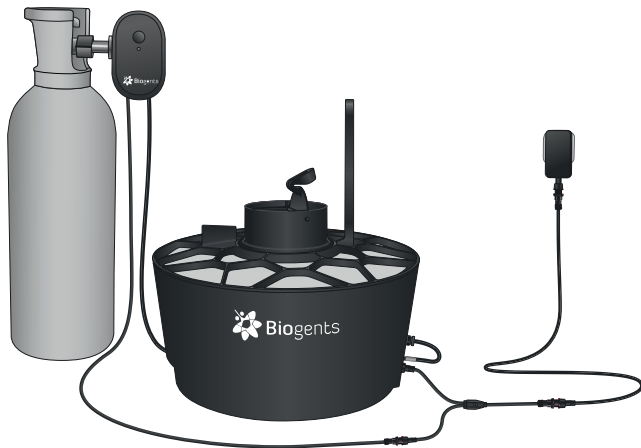
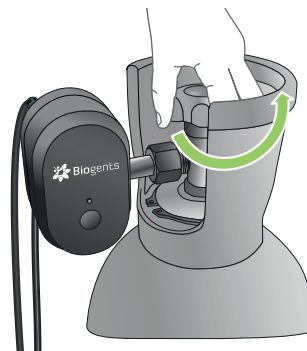
CONNECTING A 5-10 KG CO₂ CYLINDER

Permanent boost: Biogents recommends the use of 10 kg gas cylinders.

- A** Screw the controller nut onto the CO₂ cylinder. Tighten the nut using a 27 mm open-end wrench or an adjustable wrench to prevent gas leaks.



- B** Open the valve on the gas bottle by turning it counter-clockwise.



C MyBiogents APP

The CO₂ CONTROLLER is controlled and adjusted via the **MyBiogents APP**

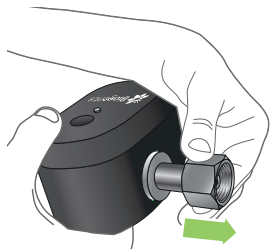
Continued on **page 11**



CONNECTING A 425 G CO₂ CYLINDER

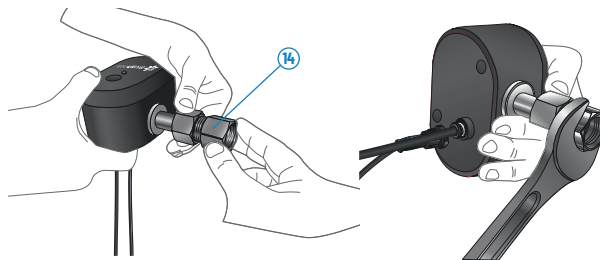
Boost up to 3 days: with a cylinder of CO₂ for sparkling water, 425 g with screw cap

- A** Push the nut forward until the thread is visible inside.



- B** Screw the adapter **14** for the CO₂ cylinder onto the controller using a 27 mm wrench or an adjustable wrench.

Caution: always use a wrench to prevent gas leaks. If necessary, use two wrenches.



- C** Assemble the bracket **15** and place the CO₂ cylinder inside.

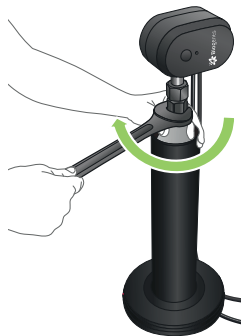


- D** To secure the bracket to the ground and ensure its stability, insert the anchor **16** under the housing.

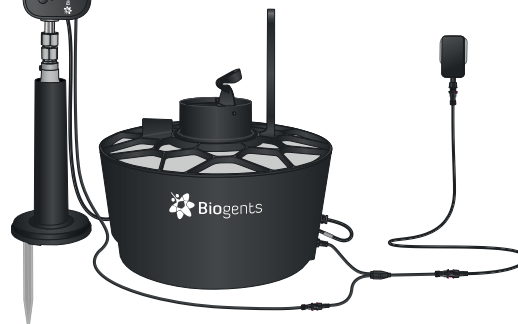


- E** Screw the controller onto the cylinder and tighten the nut using a 27 mm wrench or adjustable wrench.

Caution: you must use a wrench to prevent gas leaks.



- F** MyBiogents APP Continued on **page 12**





CONTROLLED BY APP

MyBiogents APP
with BLUETOOTH® connection

Install the MyBiogents APP to
activate the CO₂ CONTROL SET:

Android

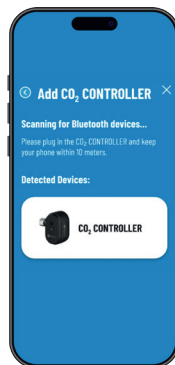


Apple



MyBiogents APP

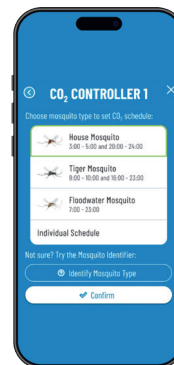
- Adjustment of CO₂ emission ranges
- Notification when CO₂ and attractant need replacing
- Advice and videos



Add your
CO₂ controller



Add your CO₂
cylinder



Choose a prede-
fined time slot or
customised time
slot for
emissions



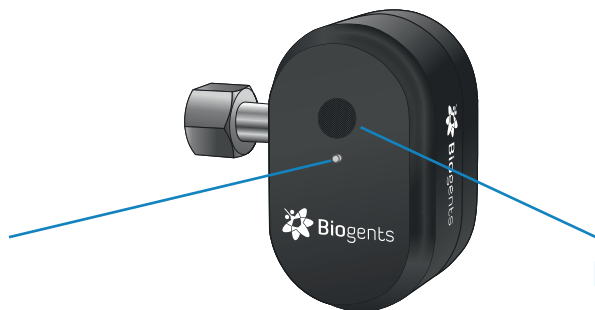
... And you're ready
to go!

The Biogents CO₂ controller communicates with the MyBiogents APP via Bluetooth and can receive firmware updates from Biogents' secure cloud server. No personal data is collected or transmitted directly by the device. For more details on data processing in relation to the app and connected services, please refer to the privacy policy at www.biogents.com.



CO₂ CONTROLLER

CONTROL AND DISPLAY ELEMENTS



LED

- **Bluetooth connection:**
 - Flashing blue light: searching for device for Bluetooth connection.
 - Permanent blue light: Bluetooth connection established.
- **Continuous green light:**
 - The device is active and reports no problems.
- **Error cases:**
 - Slow flashing red light: the CO₂ cylinder is empty, replace the cylinder.
 - Fast flashing red light: CO₂ leak, check the connection between the CO₂ cylinder to the programmer.
- **No light:**
 - The controller is not powered.

Plug the power cable ② of CO₂ controller into plug ⑨a of the Y-cable and connect the other end of the power cable to the CO₂ controller. Secure it with the screw.

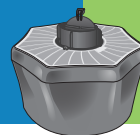
BUTTON

- To connect new Bluetooth devices, hold down the button until the light flashes blue.
- To reset the CO₂ CONTROLLER, press the button for 10 seconds. Once the blue light flashes and a red light comes on and then goes off again, the CO₂ controller has been reset.
- In the event of a CO₂ leak, briefly press the button after repair to reset the controller.



INSTALLATION WITH THE TRAP BG-MOSQUITAIRE

BG-Mosquitaire compatibility kit, available free of charge here:



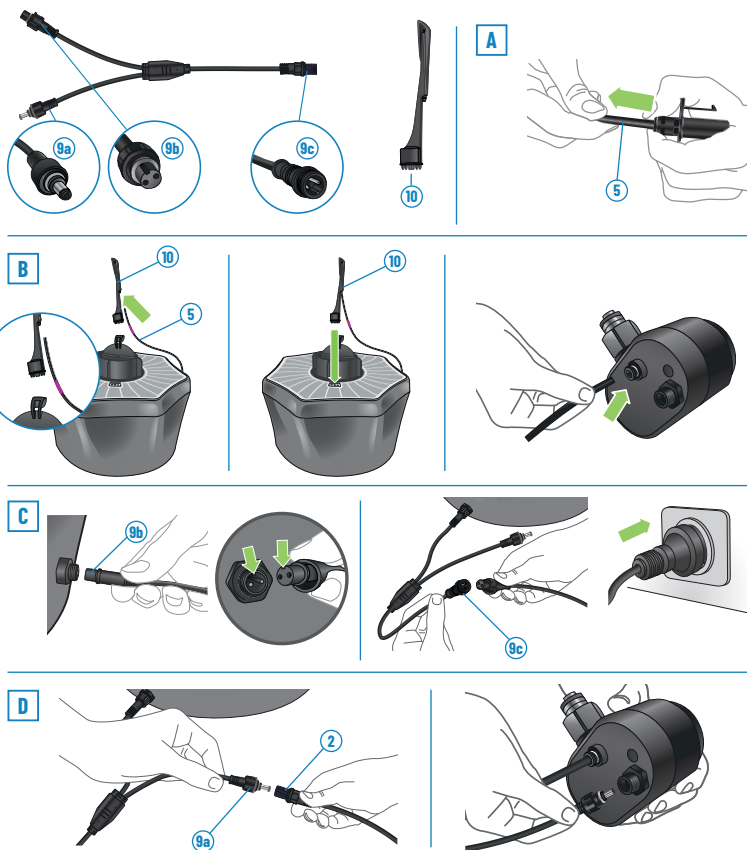
What does the compatibility kit include?

- 9 Y-cable adapter for BG-Mosquitaire trap
 - 9a for connection to the CO₂ controller
 - 9b for connection to the trap
 - 9c for connection to the electrical cable
- 10 CO₂ nozzle for BG-Mosquitaire trap

Just follow these steps

- A Remove the CO₂ tube adapter 5 by pressing on the end of the adapter and pulling.
- B Insert the end of the CO₂ tube 5 with the purple insert into the hole in the middle of the CO₂ nozzle 10. Remove the CO₂ sticker on top of the trap and insert the CO₂ nozzle with the CO₂ tube into the three openings. Firmly insert the other end of the CO₂ tube into the CO₂ controller.
- C Connect the plug 9b of the electrical Y-cable to the trap. Connect the plug 9c to the power cable. Plug the transformer into a water-proof and secure power outlet.
- D Plug the power cable 2 of CO₂ controller into plug 9a of the Y-cable and connect the other end of the power cable to the CO₂ controller. Secure it with the screw.

Go to the CO₂ options on page 7.





WARNING – SAFETY INSTRUCTIONS

Biogents CO₂ CONTROL SET

- The Biogents CO₂ CONTROL SET trap should only be used outdoors.
- This device may be used by children aged 8 years and above and by persons with reduced physical, sensory, or mental capabilities or lack of experience and knowledge, provided they are supervised or have been given instructions on how to use the device safely and understand the risks involved. Children should not play with the appliance. Cleaning and user maintenance should not be carried out by children without supervision.
- The Biogents CO₂ CONTROL SET must be kept out of the reach of children.
- Secure the CO₂ cylinder vertically to a stable support. A CO₂ cylinder that is not positioned vertically (e.g. lying down) is dangerous.
- Carbon dioxide (CO₂) can be supplied by various companies. Always follow the supplier's instructions and safety regulations.
- The manufacturer cannot be held liable for any damage caused by incorrect use or modification of the product.
- Only use accessories and spare parts recommended by the manufacturer.
- Biogents declines all responsibility for damage resulting from the use of non-original parts or accessories.
- Only specialists using original parts may service or repair the Biogents AERO TRAP PLUS trap
- The device must only be powered by a very low safety voltage corresponding to the marking on the device.



TECHNICAL DATA



Technical data

Model: Biogents CO₂ CONTROL SET

Weight: 1.44 kg

Dimensions of the CO₂ controller:

11.5 x 11 x 8 cm (4.5 x 4.3 x 3.1 in)

Input: 12 V DC;

Power consumption: 1 Watt;

IP code: IPX5

Cylinder connection: W 21.8 x 1/14"

Compatible with DIN 477 No. 6 CO₂ gas cylinders

Frequency range: 2.402 - 2.480 MHz

Maximum transmission power: 10 mW

Manufacturer: Biogents AG, An der Irler Höhe 3a,
93055 Regensburg, Germany



The «crossed-out wheeled garbage bin» WEEE symbol means that you are legally obliged to dispose these devices separately from unsorted municipal waste. Disposal in household waste, e.g. in the residual waste bin or the yellow bin, is prohibited. Avoid improper disposal by correctly disposing of the device at special collection and return points

Trap manufactured in Germany
CO₂ CONTROL SET manufactured in the PRC

The Bluetooth® word mark and logos are registered trademarks of Bluetooth SIG, Inc. and are used by Biogents AG under licence. Other trademarks and brand names are the property of their respective owners.

Declaration of conformity: Biogents AG hereby declares that the radio equipment type (item no.: 20065) complies with Directive 2014/53/EU. The complete EU declaration of conformity test report is available at the following Internet address: www.biogents.com



CONTACT

Biogents AG, An der Irlter Höhe 3a, 93055
Regensburg, Germany

www.biogents.com
e-mail: sales@biogents.com



**EXTEND YOUR WARRANTY
FROM TWO TO THREE YEARS**

REGISTER TODAY



We respect your privacy and will never sell or rent your data to third parties. You can find more information about data protection online.