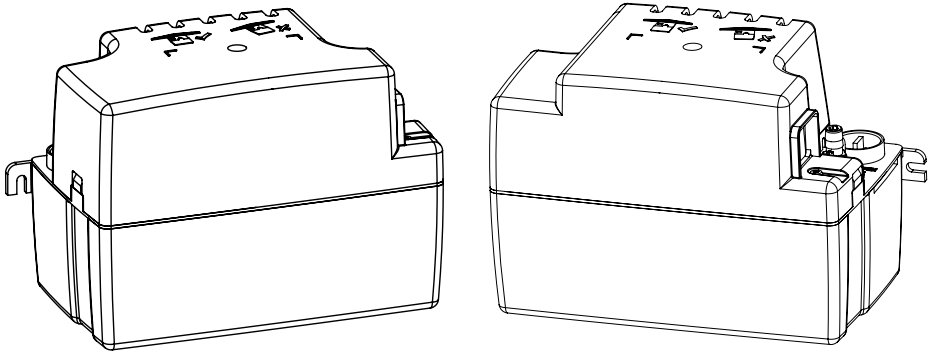


NOT192

07.21

Sanicondens Pro / Sanicondens Eco v02



EN OPERATING/INSTALLATION MANUAL





EN WARNING

This device can be used by children who are at least 8 years old and by people with reduced physical, sensory or mental capacities or those without knowledge or experience, if they are properly supervised or if they have been given instructions on safely using the device and the associated risks have been understood. Children should not play with the device. Children should not clean or perform maintenance on the device without supervision.

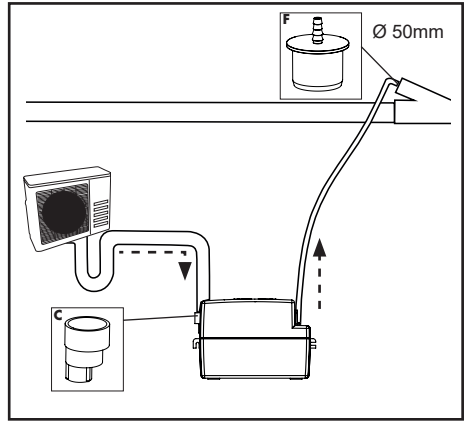
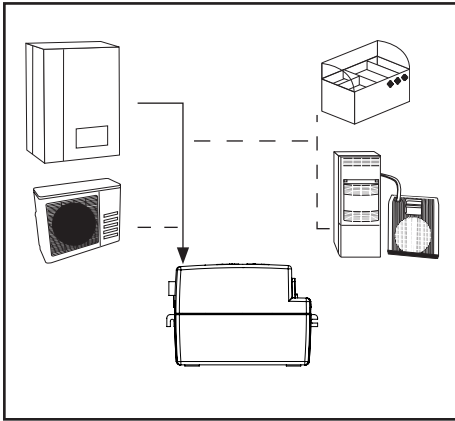
ELECTRICAL CONNECTIONS

The electrical installation must be done by a qualified electrical engineer. All wiring must conform to BS7671, 1992 requirements for electrical installations.

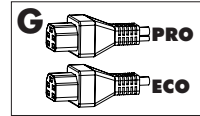
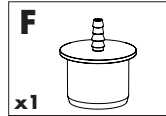
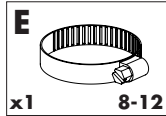
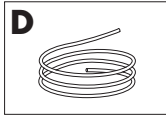
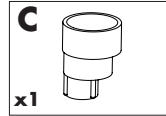
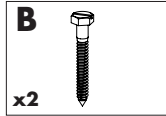
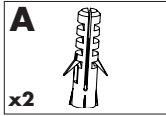
The device's power supply must be connected to ground (class I) and protected by a high

sensitivity differential circuit breaker (30 mA). Devices without plugs must be connected to a main switch on the power supply which disconnects all poles (contact separation distance of at least 3 mm). The connection must be used exclusively to provide the power to the product. If the power cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or customer service team.

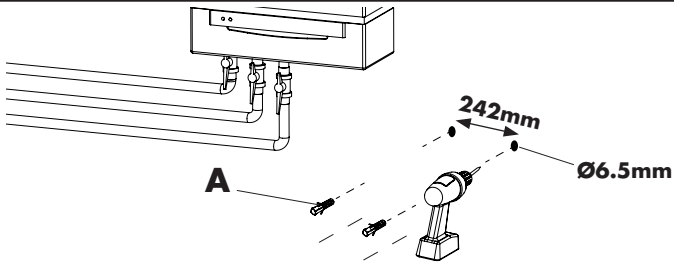
Disconnect electrical power before working on the unit !



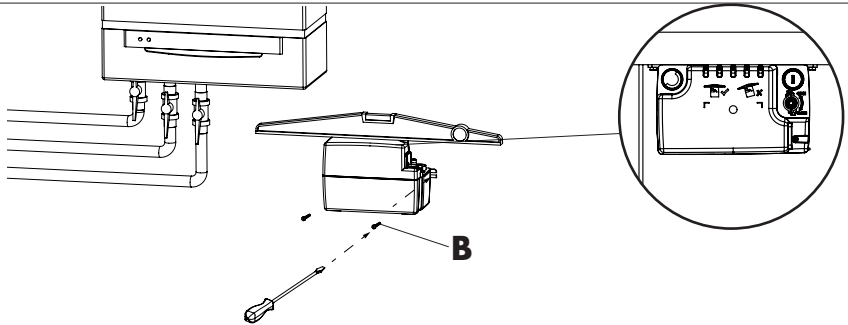
**PRO
ECO**

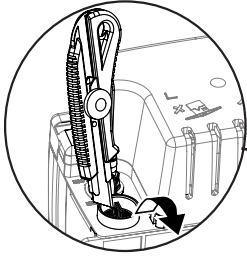
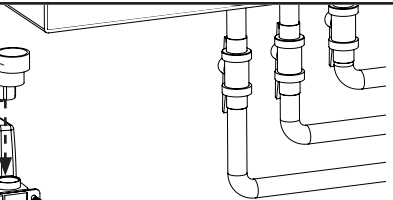
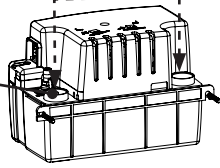
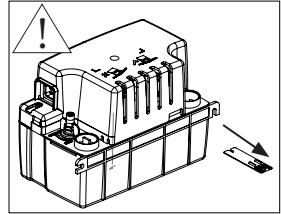
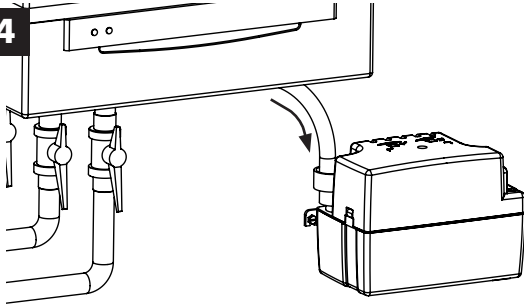
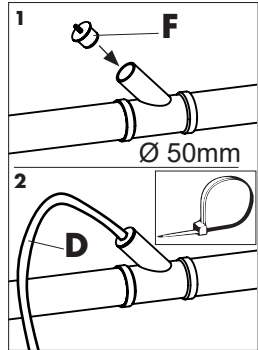
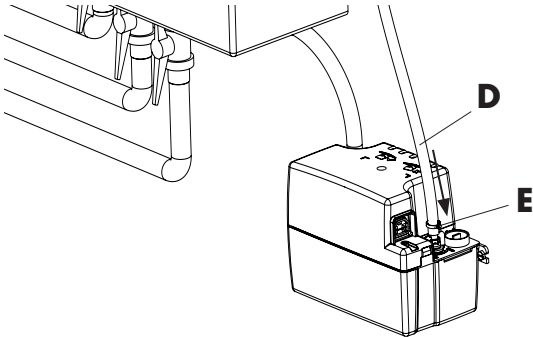
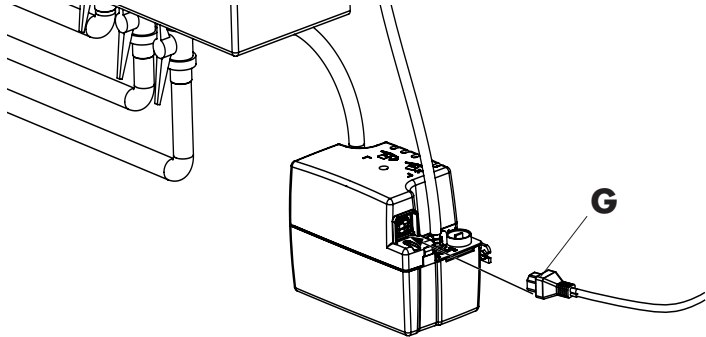


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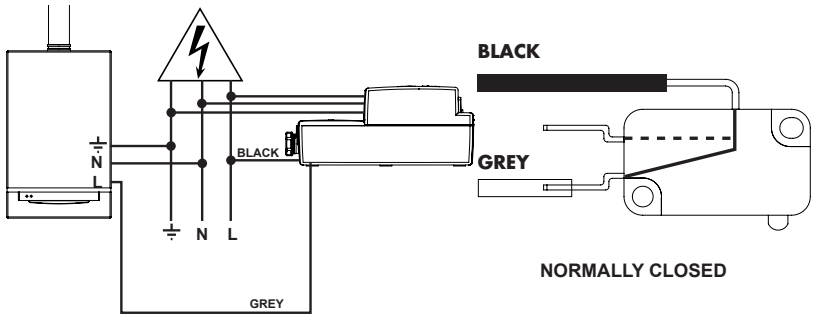


3**C****4****5****6**

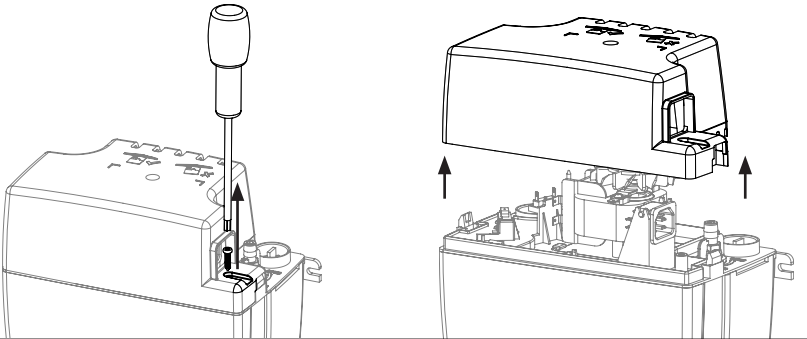
Sanicondens Pro

ALARM

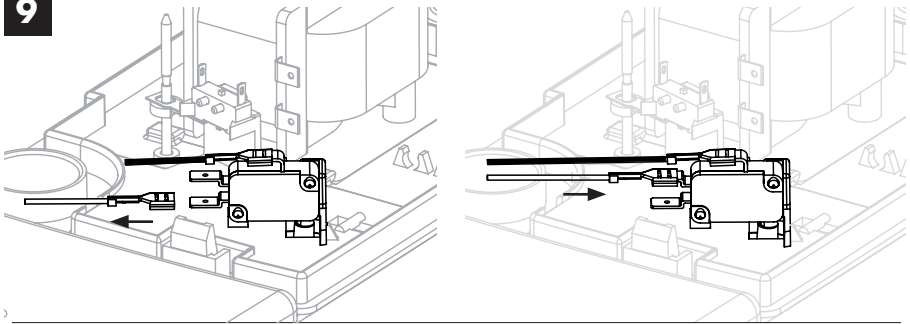
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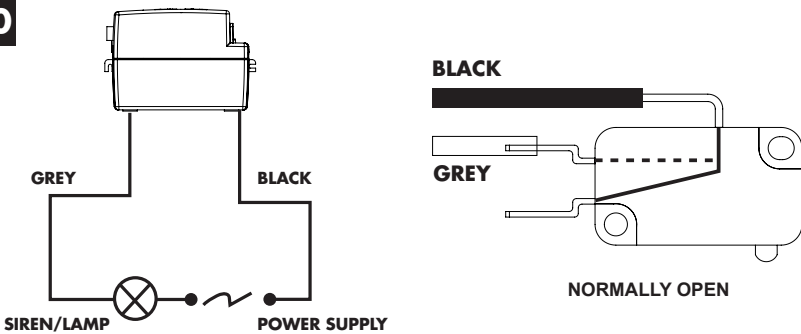
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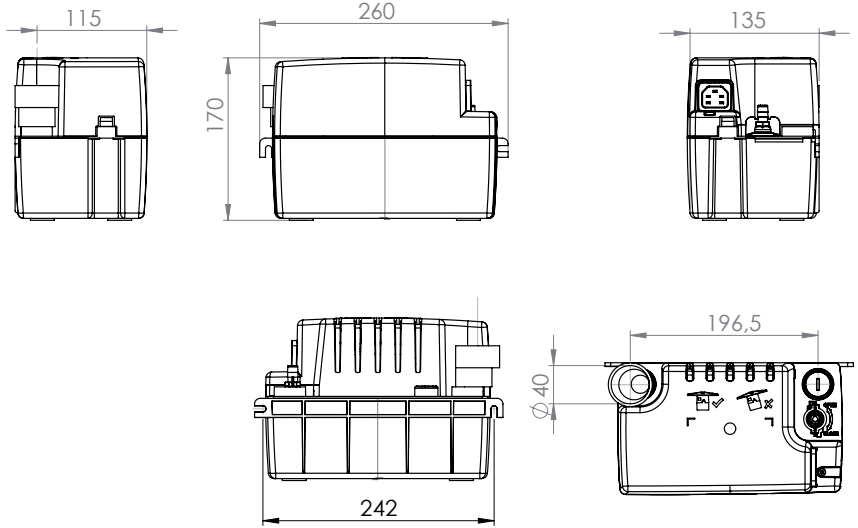
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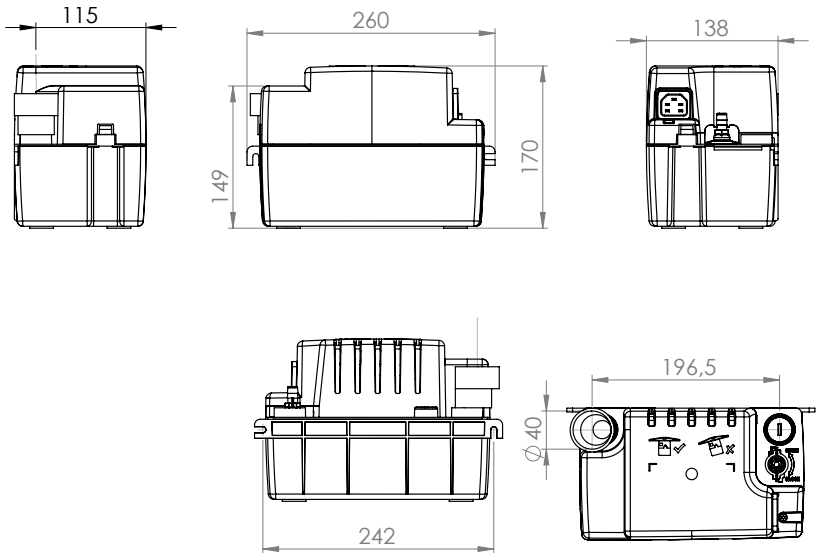
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Sanicondens Pro

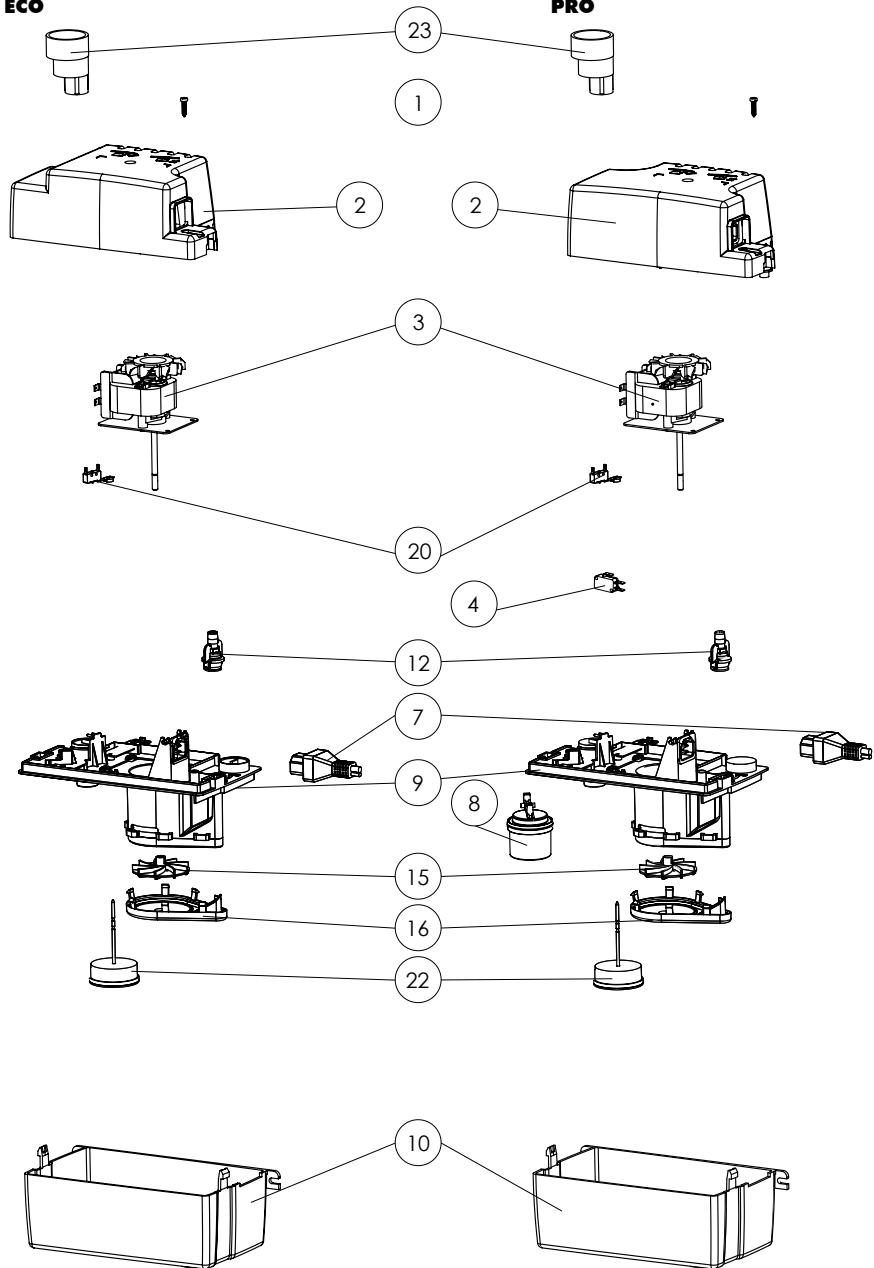


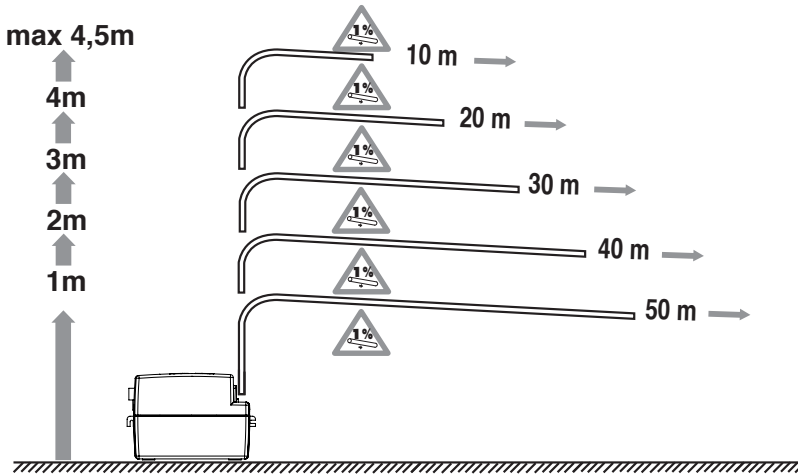
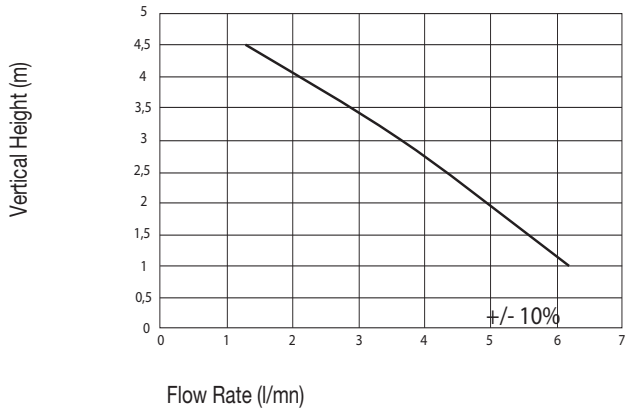
Sanicondens Eco






ECO

PRO





WARNING**Definition of warning signs:**

-  Indication that a risk of electrical origin exists.
-  Indication that a risk exists for the machine or its operation.
-  Directions to be used only by qualified professionals.

 **Disconnect electrical power before working on the unit!**

1 AREA OF APPLICATION

Sanicondens* Pro/Eco is a pump used to lift condensation water from an air conditioning system, a condensation boiler, dehumidifiers or from refrigeration units. If necessary, insert a neutralisation device (see your boiler manufacturer's instructions). The use of a neutraliser is mandatory on oil boilers in order to preserve the pump.

The pump starts automatically and has a high level of performance, safety and reliability as long as all the installation and maintenance instructions mentioned in this manual are strictly followed.

 **All applications other than those described in this manual are prohibited.**

2 DESCRIPTION**2.1 OPERATING PRINCIPLE**

Sanicondens* Pro/Eco contains a pump. The tank of the **SANICONDENS* Pro/Eco** has a built-in a float which controls the operation of the motor. When the condensate enters the tank, the pump starts up.

Sanicondens* Pro has also a built-in secondary float that can trigger an alarm (audible and/or visual).

2.2 TECHNICAL DATA

Type	CD 10	Sound level	< 45 dBA
Max. vertical pumping	4,5 m	Average operating temperature	35°C
Maximum flow rate	380 L/h	Maximum allowable temperature	80°C
Min. pH	2,5		S3 15% (1min30 ON/8min30 OFF)
Level ON/OFF	56 mm/46 mm	Weight of the unit	2 kg
Voltage	220-240 V	Tank volume	2,2 L
Frequency	50 Hz	Supply cable	1,5 m
Current consumption	0,52 A	Discharge hose	5 m, Øint: 10mm
Power rating	60 W	Alarm cable (2 cores) (Pro)	1,5 m
Electrical class	I	Max. power for the connected boiler	gas: 50 kW/oil: 30 kW
Protection index	IP20	Wall mounting	Yes

2.3 LIST OF PARTS SUPPLIED see pg. 6.


2.4 DIMENSIONS see pg. 9.

2.5 PERFORMANCE CURVES see pg. 11.

2.6 VERTICAL PUMPING/HORIZONTAL PUMPING see pg. 11.

3 START UP**3.1 INSTALLATION**

Always install the pump:

-  - horizontally, using a leveling tool,
- as close as possible to the appliance keeping in mind that the condensate has to drain through gravity into the pump.

To ensure proper ventilation of the motor, the pump must be free of any obstruction.

The pump can be mounted against a wall using the plastic anchors **A** and screws **B** supplied (accessory bag). See fig. 1 and 2.

Check that the **Sanicondens* Pro/Eco** is leveled: fig. 2.

3.2 HYDRAULIC CONNECTION**Connecting the inlet**

The pump has two inlets Ø28 mm that can be used as required (fig 3):

- The left inlet is open.
- The right inlet is protected by a break-off plug. To use the right inlet, first cut out the cut-off plug with a cutter and remove it.

Drain the condensate water to any of these inlets (fig 4). If necessary, use a rubber flexible adapter **C**.

Connecting the discharge pipe

The **Sanicondens® Pro/Eco** discharge connection must be connected to the flexible vinyl hose **D**.

- Unroll the flexible hose **D**.
- Insert the hose into the discharge connection that has a built-in non-return valve (see fig. 5).
- Position the flexible hose in the upmost vertical position possible to avoid any kinking. It is recommended to make a smooth turn to avoid the hose from kinking.
- Secure the hose by using the clamp **E** supplied (fig. 5).

The hose has an inner diameter of 10 mm and can be connected to a PVC pipe of larger diameter by a plastic reducer connection **F** (fig. 5.1). Provide a cable tie to secure the connection (fig. 5.2).

The **Sanicondens® Pro/Eco** is fitted with a non-return valve to prevent re-activation.



INSTRUCTIONS INTENDED SOLELY FOR QUALIFIED PROFESSIONALS

3.3 CONNECTING THE ALARM (SANICONDENS® PRO)

Sanicondens® Pro is fitted with a detection system that can cut off the power supply to the connected appliance if the water level rises too high. To connect the detection system, connect the other set of cables, black and grey (see "Alarm" label), to the appliance (refer to the instructions of the appliance). See fig. 7.

NOTE: It is possible to connect the detection system to an external alarm (audible or visual, from 1.5V to 230V) by changing the connection of the detection system. **Sanicondens® Pro** is controlled by a dry contact supplied NC (normally closed). To connect the external alarm, this contact must be changed to NO (normally open, fig. 10). To do this, open the cover (fig. 8), unplug the grey wire from its location and plug it to the free contact above (fig. 9).

! - ATTENTION : the connection of the detection system to the safety system of the connected appliance is mandatory. The guarantee does not cover damage caused if the alarm is not connected.

- The maximum current admissible for our detection system is 4 A.

- To protect the electrical components in the **Sanicondens Pro**, once the alarm has been triggered, any water continuing to fill the tank comes out through the overflow outlets of the tank.

3.4 MAINS CONNECTION

Connect the power cable **G** to the **Sanicondens® Pro/Eco** (fig. 6) and then to the main power. Comply with local installation requirements.

3.5 USE

Functional test

! Before turning on the pump, make sure you remove the protective lock pin from the rear of the device. Fig. 4.

- Pour water into the tank.
- Check that the pump starts and stops when the water level drops.

! - Check that there are no leaks in the connections.

Sanicondens® Pro/Eco is ready to use. Example of an installation of a **Sanicondens® Pro/Eco**: see pg. 6.

4 STANDARDS

Sanicondens® Pro/Eco conforms to the European directive on low voltage.



INSTRUCTIONS INTENDED SOLELY FOR QUALIFIED PROFESSIONALS

5 INTERVENTIONS

! Disconnect electrical supply before working on the unit!

5.1 MAINTENANCE

This device does not require any special maintenance.

5.2 TROUBLESHOOTING

Fault detected	Probable causes	Action needed
The pump doesn't start.	The pump is not connected to the power supply.	Plug in the unit.
	The lock pin has not been removed.	Remove the lock pin.
	The unit is not leveled.	Check the unit with a leveling tool.
	Power outage.	Check the main power.
	Float blocked.	Clean the tank.
	Condensates inlet pipe blocked.	Clean the inlet pipe.
The pump does not lift.	Non-return valve blocked.	Clean the valve.
	Discharge pipe blocked.	Clean the discharge pipe.

6 GUARANTEE

Sanicondens® Pro/Eco is guaranteed for 2 years for parts and labour, subject to correct installation and use of the unit.

Sanicondens[®] Pro/Eco v02

220-240 V - 50 Hz - 60 W

IP20 - $\frac{1}{3}$ - S3 15% T=80°C

SERVICE HELPLINES

TEL

FAX

United Kingdom
Ireland

08457 650011 (Call from a land line) 020 8842 1671
1850 23 24 25 (LOW CALL) + 353 46 97 33093

Service information : www.sfa.biz