



**Thermo-bug<sup>®</sup> basic 3.0**  
**For pest control**

60 °C  
24 hrs.  
=  
100%  
deadly

## Thermo-bug® basic 3.0 Just hot air? As if!

Dear readers,

As pest controllers, we are expected to control pests of all kinds, **discreetly, quickly** and **quietly**.

As **odourless as possible, without the use of chemicals. Sustainable, effective** and **100% deadly**.

In 2005, we succeeded in creating a small revolution with the mobile Thermo-bug®. Denaturation by thermal disinfestation is the magic word. In closed rooms, due to ambient temperatures up to 60 °C, every protein compound is destroyed and irrevocably killed.

Just hot air? As if! The **Thermo-bug®** method has become a standard tool for smart pest controllers.

The next generation has been in use since October 2020. **Thermo-bug® basic 3.0**: Even safer, more efficient and more stable than its predecessor.

Convince yourself, you will be amazed – and your clientele will love you ...

Yours sincerely,



Thilo Fleschhut



Thilo Fleschhut  
Pest controller,  
managing director of  
Thermo-bug® GmbH



# Thermo-bug® basic 3.0

## 100% deadly.

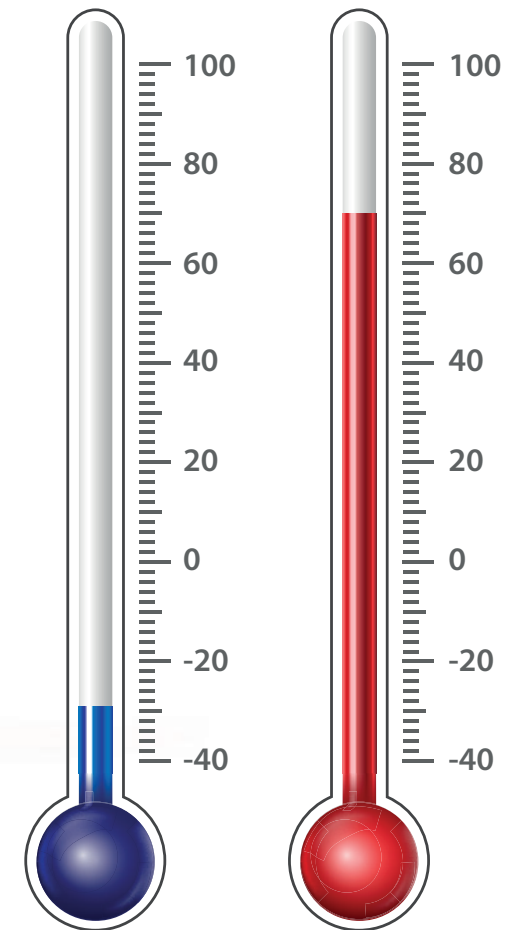


### The strategy is heat

The biochemist calls it denaturation. This term refers to a structural change in the biomolecules (e.g. proteins), which is associated with the loss of the biological function of these molecules. Every cell consists of proteins.

**Thus, if the ambient temperature is raised to 45 - 60 °C for a longer period of time (at least 1 hr.) each protein compound coagulates irreversibly. Everything that lives dies.**

With the **Thermo-bug® basic 3.0**, heating the room temperature up to 70 °C max. is possible without any problems. Fast, quiet, without chemicals and 100% lethal. For an even, penetrating heating of the room air we recommend the use of two **Thermo-bug® basic 3.0** appliances.

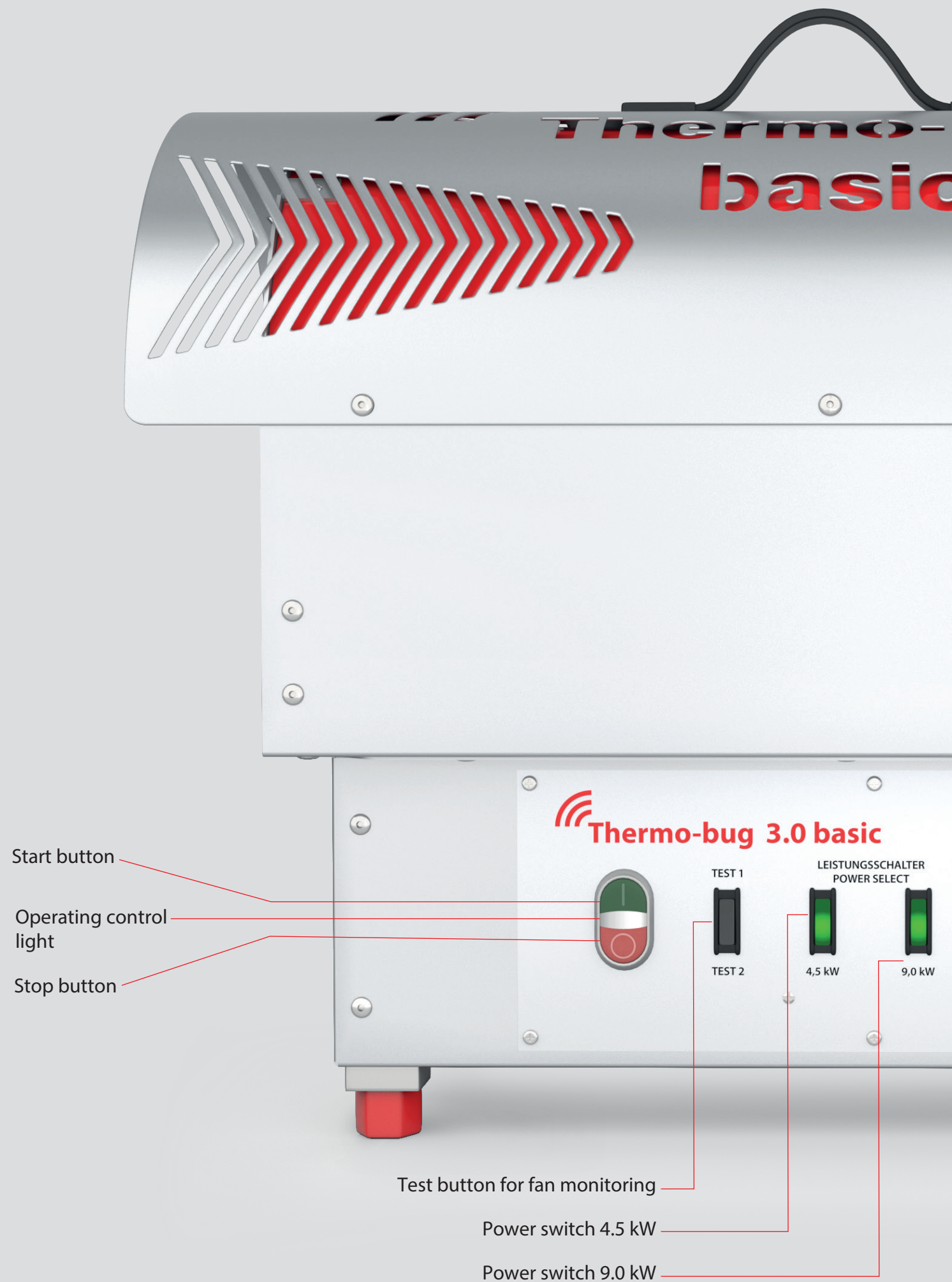


**Ambient temperatures below -18 °C and above 45 °C destroy unprotected forms of life within a short time.**



## Thermo-bug® basic 3.0

### Work with the best pest control ever.



From a very functional point of view, the new **Thermo-bug® basic 3.0** is also a heater for generating warm air for use in the field of pest control.

But only from a very objective point of view. And of course ambitious, Swabian **Thermo-bug®**-engineers are not satisfied with this. With 52.5 dB, the new **Thermo-bug®**-Generation 3.0 is as quiet as never before. The new housing has been made more stable than ever before as a result of double-walled supporting parts. To avoid thermal overload, the connection housing with all of the operating elements was repositioned under the radiator.

The heating pipe was provided with a perforated contact protection all around. The temperature measurement in the room is now carried out by an integrated temperature sensor. 4 composite ceramic feet ensure an even more secure and temperature-resistant stand. The comfortable plastic carrying handle has been reinforced with an integrated metal band and made even more durable.

**Once again, here is a list of all of the innovative features as facts:**

- Even more accurate, independent monitoring circuits and sensors for even safer working
- Test button for testing the safety circuits
- Safety circuit with fan monitoring
- Very quiet operation, only 52.5 dB
- Circuit breaker for 4.5 kW (half power)
- Circuit breaker for 9 kW (full power)
- Operating elements under the heating element
- Greater stability thanks to a more stable housing
- Heating pipe with all-round contact protection
- Temperature measurement in the room as a result of the integrated temperature sensor
- 4 composite ceramic feet for a secure stand
- Comfortable plastic carrying handle, reinforced with an integrated metal band

# Thermo-bug® basic 3.0

## Definitely the best form of pest control.

The appliance has a microprocessor-controlled temperature regulator with a digital temperature sensor. The sensor is positioned on the air intake side. The use of a digital precision sensor means that no subsequent adjustment of the controller is necessary during the lifetime of the appliance.

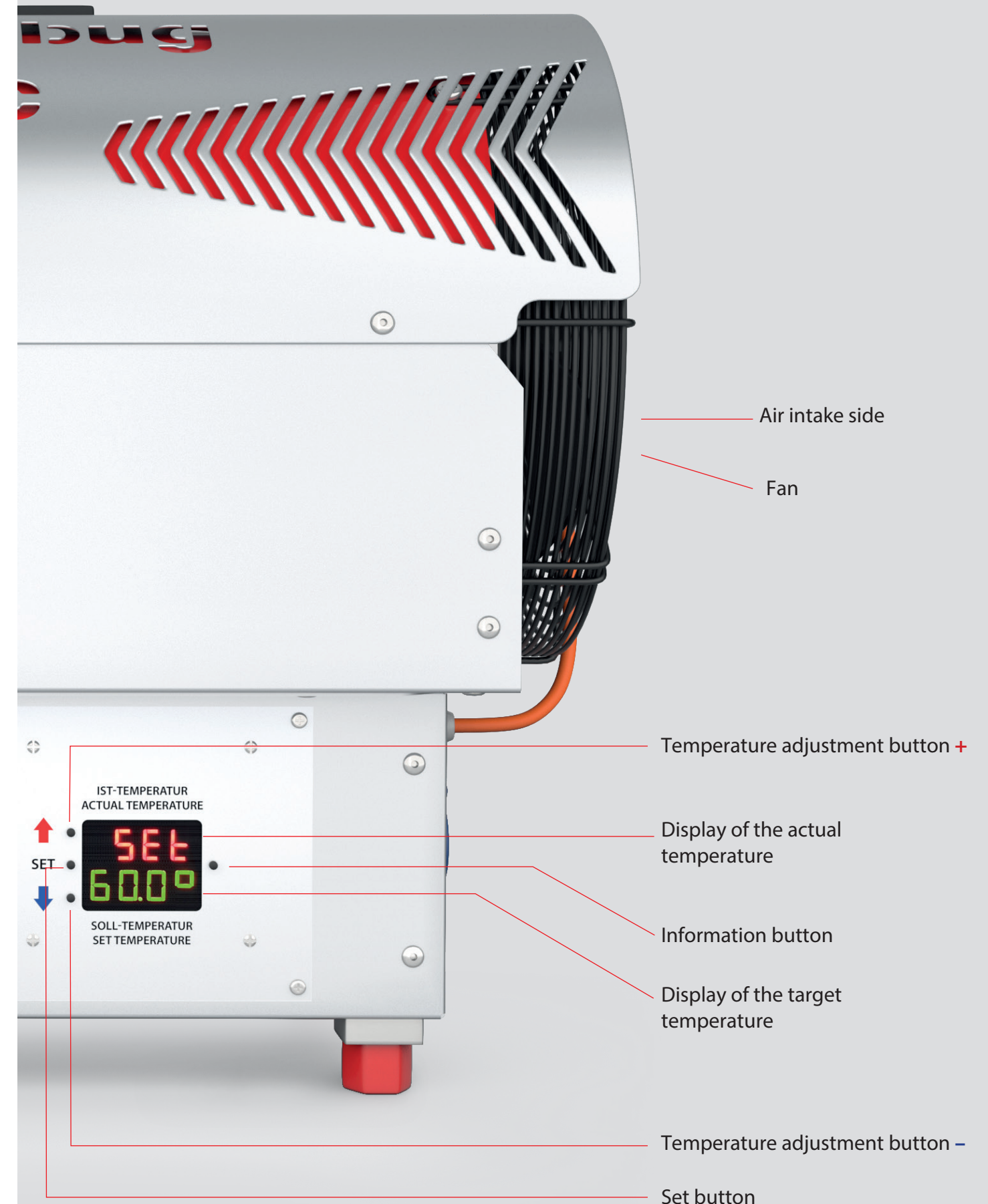
The measuring interval is 1 measurement / second. The correct functioning of the control programme is continuously monitored by an integrated programme sequence monitoring system.

A failure or fault affecting the temperature control system leads to an immediate shutdown of the heaters. The temperature of the appliance is continuously monitored by an independent safety circuit. If the temperature of the appliance is higher than 80 °C on the air intake side, this leads to a safety shutdown.

In addition, there is an electromechanical temperature safety switch on the output side of the appliance, which also switches off the appliance if a certain temperature is exceeded.

The function of the built-in fan is controlled by a monitoring circuit. A failure of the fan due to a blockage and/or sluggishness as a result of foreign bodies that have been sucked in or age-related wear is detected and this leads to a safety shutdown. The unit is designed in such a way that there is no automatic restart after a power failure or after a safety shutdown.

- 230 V socket with 4A fuse, for additional fan
- High performance fan for high temperatures
- Microprocessor-controlled temperature regulation
- Digital precision temperature sensor
- Safety shutdown in case of overtemperature
- Control programme with integrated programme sequence monitoring
- Fan failure monitoring
- Fan blockage monitoring
- Test button for testing the safety circuits
- CE labelling and tested according to EMC guidelines
- Continuous monitoring of the safety-relevant parameters by independent circuits



Air intake side

Fan

Temperature adjustment button +

Display of the actual temperature

Information button

Display of the target temperature

Temperature adjustment button -

Set button



# Technical data



Dimensions	Width: 670 mm, Depth: 330 mm, Height: 600 mm
Weight	approx. 19 kg
Operating voltage	Three-phase current 3 x 220 - 240 V / star circuit
Rated voltage	400 V, 50 Hz three-phase alternating current with neutral conductor
Rated power	9000 kW
Operating voltage input / mains connection	CEE built-in plug 16A
Heater output (switchable to two levels)	Level 1: 4.5 kW   Level 2: 9.0 kW
Power without heating (air circulation)	approx. 90 kW
Electrical safety	Safety class I
Setting the control temperature	30 °C - 70 °C, in increments of 1 °C
Control accuracy	+/- 0.5 °C
Measuring interval	1 second
Fault detection time	< 2 seconds
High-performance fan:	Ø 300 mm, 1800 m³/h
Noise level:	52.5 dB
1 internal temperature sensor:	0 °C - 80 °C
Safety thermostat (ST) automatic shutdown	at 80 °C

(Additional independent electromechanical temperature safety switch)



**Thermo-bug® GmbH**

Felix-Wankel-Straße 17  
88339 Bad Waldsee

Tel. +49 (0)7524/401 17-27

Fax +49 (0)7524/401 17-28

info@thermo-bug.com

# 18

All over the world, the **quick, discrete** and quiet control of pests is expected. As **odourless as possible, without the use of chemicals. Sustainable, effective** and **100% deadly**.

- |               |                  |
|---------------|------------------|
| ■ Bulgaria    | ■ Switzerland    |
| ■ Germany     | ■ Slovenia       |
| ■ England     | ■ Spain          |
| ■ France      | ■ Czech Republic |
| ■ Italy       | ■ Hungary        |
| ■ Netherlands | ■ Australia      |
| ■ Austria     | ■ Fiji           |
| ■ Poland      | ■ Malaysia       |
| ■ Romania     | ■ New Zealand    |

## countries where the Thermo-bug® is in use



[www.thermo-bug.de/en](http://www.thermo-bug.de/en)