



## Product specification

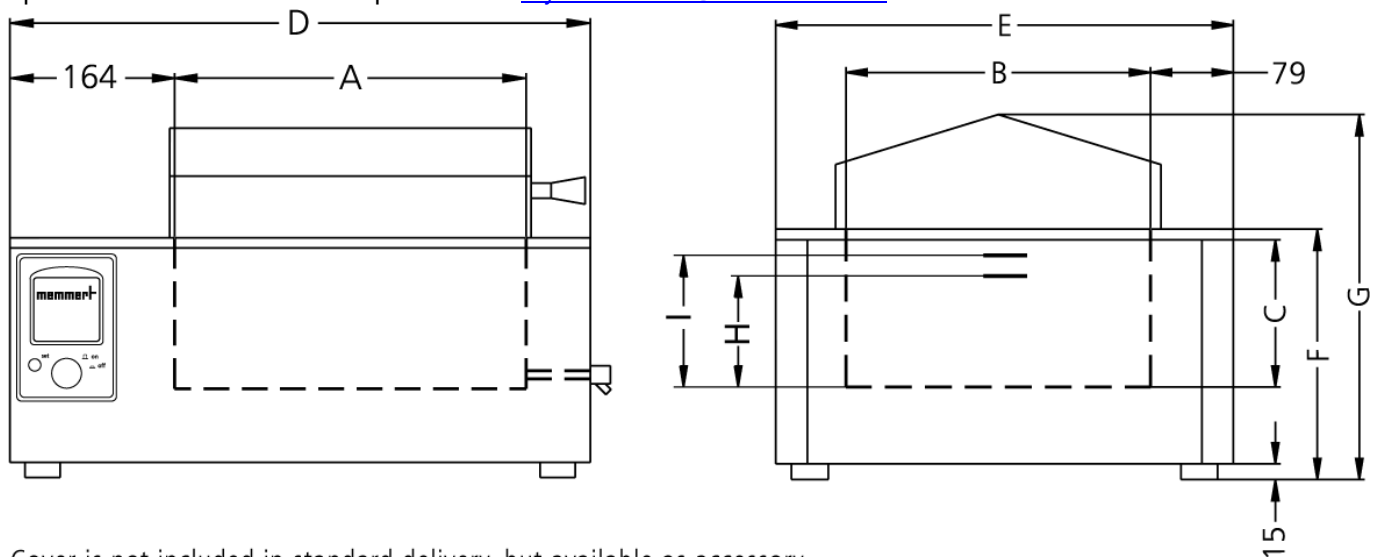
### Waterbath

### WNB 45

The combination of corrosion-resistant stainless steel, precise electronics and multiple temperature protection guarantees the highest level of safety in the laboratory.



On this page, you can find all the essential technical data on the Memmert water bath. Our customer relations team will be pleased to help if you want further information. If you should require a customised special solution, please contact our technical specialists at [myAtmoSAFE@memmert.com](mailto:myAtmoSAFE@memmert.com).



Cover is not included in standard delivery, but available as accessory.

## Temperature

Temperature range in °C	min. 5°C above ambient up to +95°C with additional boiling mode (+100°C)
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## Control of standard components

Temperature	1 Pt100 sensor class A in 4-wire-circuit
Timer	integrated digital timer from 1 min. to 99,99 hours for: ON continuous operation WAIT (delayed on for continuous and limited timed operation) HOLD

## Safety

Temperature control	mechanical temperature limiter TB protection class 1 switching the heating off at approx. 30°C above max. temperature of the bath
Temperature control	in case of overtemperature due to failure, the heating is switched off at approx. 10°C above the set temperature (fixed value)
Autodiagnostic system	microprocessor PID-temperature controller with integrated autodiagnostic system with fault indicator

## Heating concept

Heating Baths	corrosion-proof large-area heating on three sides
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## Standard equipment

Controller	digital display (LED) of set and actual temperature (0,1°C resolution) and of (remaining) programme time
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## Stainless steel interior

Dimensions W x H x D in mm	$w_{(A)} \times h_{(C)} \times d_{(B)}$ : 590 x 220 x 350 mm
Interior	easy-to-clean interior, made of stainless steel, reinforced by deep drawn ribbing, material no. 1.4301 (ASTM 304), laser-welded
Volume	45 l
Liquid level min.	(H) 177 mm
Liquid level max.	(I) 200 mm

## Textured stainless steel casing

Dimensions	$w_{(D)} \times h_{(G)} \times d_{(E)}$ : 818 x 401 x 516 mm
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**Electrical data**

<b>Voltage</b>	230 V, 50/60 Hz
<b>Electrical load</b>	approx. 2800 W (during heating)

**Ambient conditions**

<b>Installation</b>	The vent openings in the left and back side must remain unobstructed. Minimum wall spacing on all sides is 80 mm. The minimum spacing from the top of the bath to the next ceiling is 750 mm.
<b>Ambient temperature</b>	+5 °C to +40 °C
<b>Humidity rh</b>	max. 80 %, non-condensing
<b>Overvoltage category</b>	II
<b>Pollution degree</b>	2

**Packing/shipping data**

<b>Transport information</b>	The appliances must be transported upright
<b>Customs tariff number</b>	8419 8998
<b>Country of origin</b>	Federal Republic of Germany
<b>WEEE-Reg.-No.</b>	DE 66812464
<b>Dimensions approx incl. carton</b>	w x h x d: 910 x 610 x 460 mm
<b>Net weight</b>	approx. 26 kg
<b>Gross weight carton</b>	approx. 33 kg

**Standard units are safety-approved and bear the test marks**

