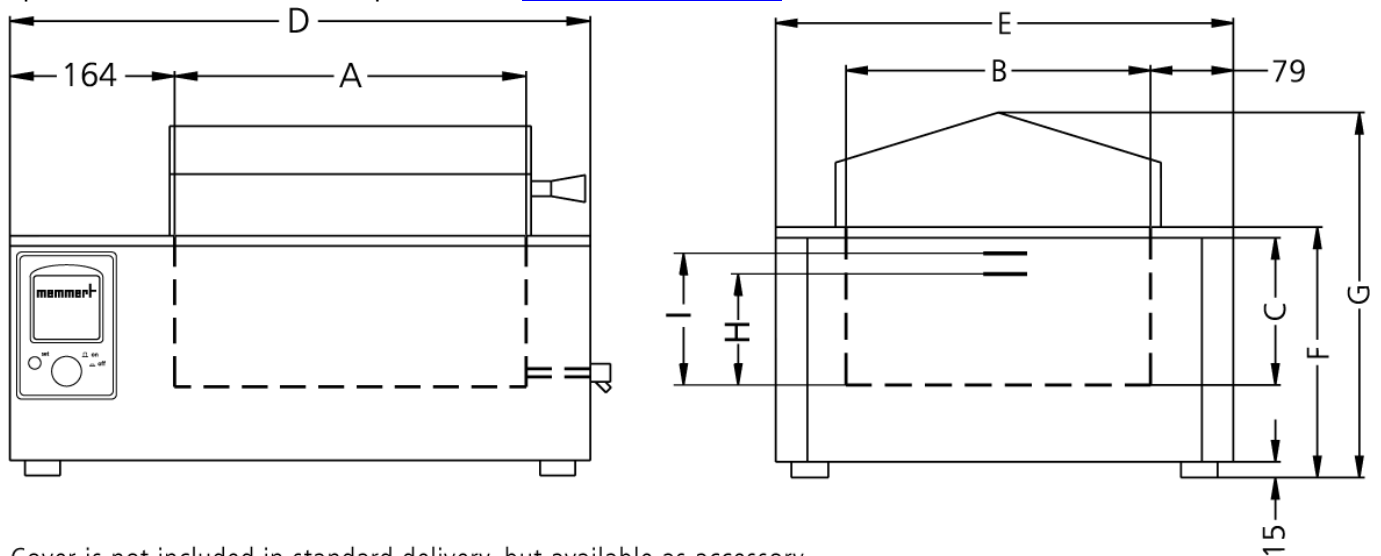


### WPE 45

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 [sales@memmert.com](mailto:sales@memmert.com).



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

## Temperature

<b>Setting temperature range</b>	+10 to +95 °C and boiling stage
<b>Temperature range in °C</b>	min. 15°C above ambient up to +95°C (only with pump switched off)
<b>resolution of display and setting accuracy</b>	0,1°C up to +99,9°C / 1°C from 100°C

## Control of standard components

<b>Circulation pump</b>	pump can be switched on and off
<b>Circulation pump</b>	pump is switched off at programme end
<b>Controller</b>	digital display (LED) of all set parameters, such as temperature and alarm values (0,1°C resolution) as well as time values
<b>Timer</b>	digital timer from 1 min. up to 999 hours for: ON (continuous operation), DELAYED ON, HOLD or HOLD set-temperature dependent with guaranteed holding time
<b>Calibration</b>	on controller

## Control technology

<b>Controller</b>	Electronic microprocessor temperature controller with auto-diagnostic system
-------------------	--

## Safety

<b>Temperature sensor</b>	2 Pt100 sensors Class A in 4-wire-circuit, mutually monitoring and taking over the performance at the same temperature value
<b>Temperature control</b>	mechanical temperature limiter TB protection class 1 switching the heating off at approx. 30°C above max. temperature of the bath
<b>Temperature control</b>	independently working, electronic overtemperature controller TWW protection class 3.1 or overtemperature limiter TWB protection class 2, adjustable in set-up menu by customer
<b>Temperature control</b>	in case of overtemperature due to failure, the heating is switched off at approx. 10°C above the set temperature (fixed value)
<b>Autodiagnostic system</b>	fuzzy-supported PID microprocessor controller with integrated autodiagnostic system with fault indication
<b>Alarm</b>	visual and acoustic alarm at programme end and as input acknowledgement as well as in case of low liquid level, heating is switched off automatically

## Heating concept

<b>Heating Baths</b>	corrosion-proof large-area heating on three sides
----------------------	---

## Stainless steel interior

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

## Textured stainless steel casing

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

## Electrical data

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

## Ambient conditions

Installation	The vent openings in the left and back side must remain unobstructed. The distance to the wall must be at least 100 mm on the sides and at least 150 mm to the rear. The minimum spacing from the top of the bath to the next ceiling is 750 mm.
Ambient temperature	+5 °C to +40 °C
Humidity rh	max. 80 %, non-condensing
Overvoltage category	II
Pollution degree	2
Water bath with circulation pump	

## Packing/shipping data

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

Standard units are safety-approved and bear the test marks

