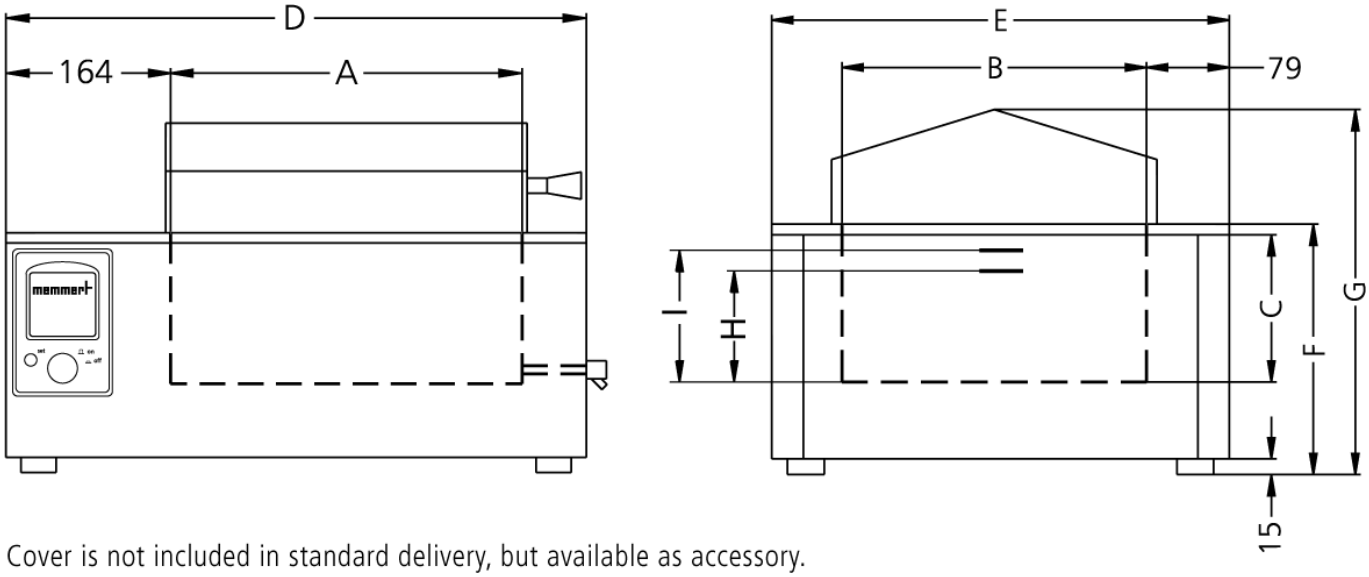
Waterbath

WNE 14

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.



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

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Temperature

Setting temperature range	+10 to +95 °C and boiling stage
Working temperature range in °C	min. 5 above ambient up to +95 °C with additional boiling mode
resolution of display and setting accuracy	0,1°C up to +99,9°C / 1°C from 100°C

Control of standard components

Controller	digital display (LED) of all set parameters, such astemperature and alarm values (0,1°C resolution)as well as time values
Timer	digital timer from 1 min. up to 999 hours for:ON (continuous operation),DELAYED ON,HOLD or HOLD set-temperature dependentwith guaranteed holding time
Calibration	on controller

Safety

Temperature sensor	2 Pt100 sensors Class A in 4-wire-circuit,mutually monitoring and taking over theperformance at the same temperature value
Temperature control	mechanical temperature limiter TB protectionclass 1 switching the heating off at approx. 30°Cabove max. temperature of the bath
Temperature control	independently working, electronicovertemperature controller TWWprotection class 3.1 or overtemperaturelimiter TWB protection class 2, adjustablein set-up menu by customer
Temperature control	in case of overtemperature due to failure,the heating is switched off at approx. 10°Cabove the set temperature (fixed value)
Autodiagnostic system	fuzzy-supported PID microprocessor controllerwith integrated autodiagnostic system withfault indication
Alarm	visual and acoustic alarm at programme endand as input acknowledgement as well asin case of low liquid level,heating is switched off automatically

Heating concept

Heating Baths	corrosion-proof large-area heating onthree sides

Stainless steel interior

Dimensions W x H x D in mm	$w_{(A)}$ x $h_{(C)}$ x $d_{(B)}$: 350 x 140 x 290 mm
Interior	easy-to-clean interior, made of stainlesssteel, reinforced by deep drawn ribbing,material no. 1.4301 (ASTM 304), laser-welded
Volume	14 l
Liquid level min.	(H) 97 mm
Liquid level max.	(I) 120 mm

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Textured stainless steel casing

Dimensions	$w_{(D)}$ x $h_{(G)}$ x $d_{(E)}$: 578 x 347 x 436 mm

Electrical data

Voltage	230 V, 50/60 Hz
Electrical load	approx. 1800 W (during heating)

Ambient conditions

Installation	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.
Ambient temperature	+5 °C to +40 °C
Humidity rh	max. 80 %, non-condensing
Overvoltage category	II
Pollution degree	2

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: 670 x 530 x 400 mm
Net weight	approx. 15 kg
Gross weight carton	approx. 21 kg

Standard units are safety-approved and bear the test marks

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