

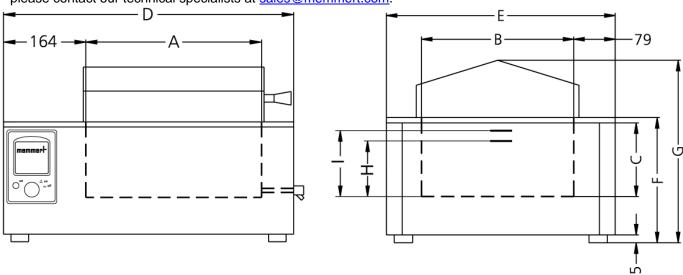
# Waterbath

# **WNE 22**

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 <a href="mailto:sales@memmert.com">sales@memmert.com</a>.



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

Temp	erat	ure
------	------	-----

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 the performance 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	I <sub>(A)</sub> x w <sub>(B)</sub> x h <sub>(C)</sub> : 350 x 290 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	22	
Liquid level min.	177 mm	
Liquid level max.	200 mm	

#### **Textured stainless steel casing**

**Dimensions**  $w_{(D)} \times h_{(G)} \times d_{(E)} = 578 \times 405 \times 436 \text{ mm}$ 

#### **Electrical data**

**Voltage** 230 V, 50/60 Hz

Electrical load approx. 2000 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

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 ||

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.** w x h x d:  $670 \times 530 \times 460 \text{ mm}$ 

carton

**Net weight** approx. 16 kg

Gross weight carton approx. 23 kg

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



