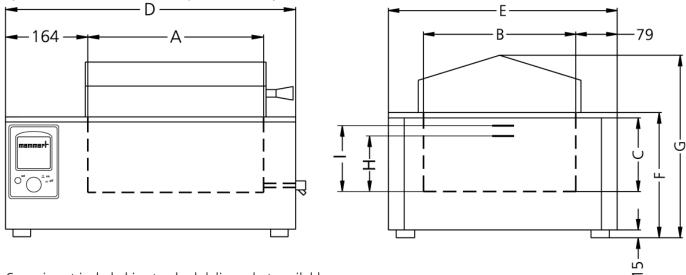
# Waterbath

**WNE 7** 

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 <u>myAtmoSAFE@memmert.com</u>.



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

# 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**

| Calibration | on controller   |
|-------------|---|
| 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 |
| Controller  | digital display (LED) of all set parameters, such astemperature and alarm values (0,1°C resolution)as well as time values                             |

#### Safety

| Temperature sensor    | 2 Pt100 sensors Class A in 4-wire-circuit, mutually monitoring and taking over theperformance at the<br>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<br>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<br>mm | w <sub>(A)</sub> x h <sub>(C)</sub> x d <sub>(B)</sub> : 240 x 140 x 210 mm   |
|-------------------------------|---|
| Interior                      | easy-to-clean interior, made of stainlesssteel, reinforced by deep drawn ribbing,material no. 1.4301 (ASTM 304), laser-welded |
| Volume                        | 71  |
| Liquid level min.             | (H) 97 mm   |
| Liquid level max.             | (I) 120 mm  |

#### Textured stainless steel casing

| Dimensions | w <sub>(D)</sub> x h <sub>(G)</sub> x d <sub>(E)</sub> : 468 x 337 x 356 mm |
|------------|---|
|            |   |

#### **Electrical data**

| Voltage         | 230 V, 50/60 Hz                 |
|-----------------|---------------------------------|
| Electrical load | approx. 1200 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-RegNo.                       | DE 66812464                                |
| Dimensions approx incl.<br>carton | w x h x d: 570 x 450 x 420 mm              |
| Net weight                        | approx. 11 kg                              |
| Gross weight carton               | approx. 16 kg                              |

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