



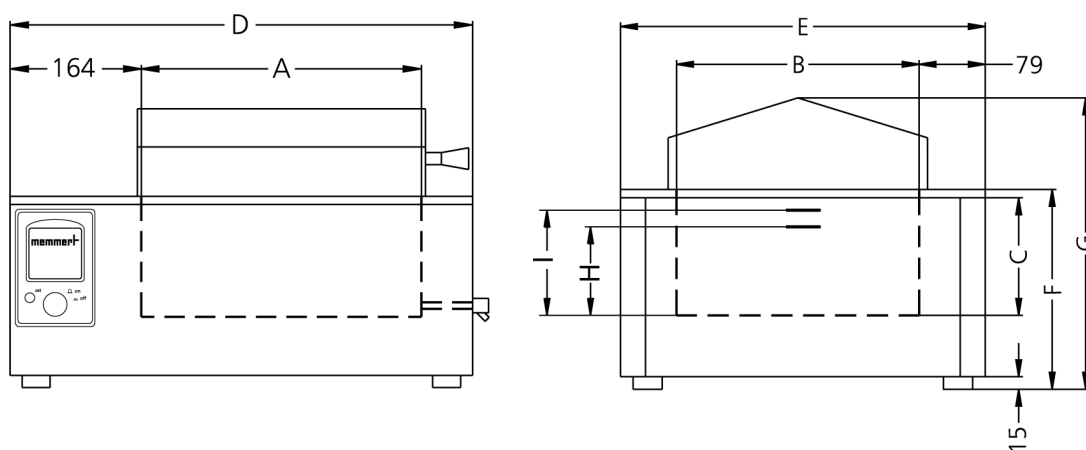
## Oilbath

### ONE 45

Absolute safety for laboratory and samples, even at high temperatures through corrosion-resistant stainless steel, precise electronics and multiple temperature protection.



On this page, you can find all the essential technical data on the Memmert oil 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).



## Control of standard components

|                   |                                                                                                                                                           |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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>Controller</b> | digital display (LED) of all set parameters, such as temperature and alarm values (0,1°C resolution) as well as time values                               |

## Temperature

resolution of display and setting 0,1°C below 99,9°C, 1°C above 100°C

|                                |                                     |
|--------------------------------|-------------------------------------|
| <b>Temperature range in °C</b> | min. 5°C above ambient up to +200°C |
|--------------------------------|-------------------------------------|

## Control technology

|                    |               |
|--------------------|---------------|
| <b>Calibration</b> | on controller |
|--------------------|---------------|

## Safety

|                              |                                                                                                                                                      |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Autodiagnostic system</b> | fuzzy-supported PID microprocessor controller with integrated autodiagnostic system with fault indication                                            |
| <b>Temperature control</b>   | 2 Pt100 sensors Class A in 4-wire-circuit, mutually monitoring and taking over the performance at the same temperature value                         |
| <b>Alarm</b>                 | audible and visual alarm at programme end and as input acknowledgement as well as in case of low liquid level, heating is switched off automatically |
| <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>Temperature control</b>   | independently working, electronic overtemperature temperature limiter TWB protection class 2                                                         |
| <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                    |

## Heating concept

corrosion-proof large-area heating on three sides

## Standard equipment

|                 |                                                                                                                                 |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>Interior</b> | material 1.4301 (ASTM 304), corrosion resistant                                                                                 |
| <b>Interior</b> | easy-to-clean interior, made of stainless steel, reinforced by deep drawn ribbing, material no. 1.4301 (ASTM 304), laser-welded |

## Stainless steel interior

|                                         |                    |
|-----------------------------------------|--------------------|
| $w_{(A)} \times h_{(B)} \times d_{(C)}$ | 350 x 220 x 590 mm |
| <b>Volume</b>                           | 0 l                |

## Textured stainless steel casing

$w_{(D)} \times h_{(E)} \times d_{(F)}$ : 516 x 296 x 818 mm

## Electrical data

approx. 2800 W (during heating)

230 V, 50/60 Hz

## Packing/shipping data

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 B x H x T: 910 x 610 x 460 mm

Net weight approx. 24 kg

Gross weight carton approx. 31 kg