

Memmert

Water Baths - Oil Baths

1 2 3

Water Baths:

- Temperature range WNB / WNE from + 10 up to + 95 °C and additional boiling mode WPE 45 without boiling mode.
- Temperature deviation temporal / spatial max. ±0.1 / 0.25 °C.
- Housing made of textured stainless steel 1.4301.
- Deep-drawn, hermetically welded stainless steel working chamber 1.4301 (ASTM 304).
- Resolution of display for setpoint and actual values: 0.1 °C.
- Mains supply: 230 V (±10 %) 50 / 60 Hz.
- Standard units are safety-approved and bear the GS-, VDE-, EMV- and CE-test marks.

- 1 Pt100 sensor DIN class A in 4-wire-circuit.
- Integrated digital timer from 1 min to 99:59 h.
- ON (continuous operation) / WAIT (delayed on for continuous and limited timed operation) / HOLD.
- Digital display of setpoint and actual temperature as well as residual running time.
- LEDs for indication of programme status.
- Double overtemperature protection: In case of overtemperature due to failure the heating is switched off at approx. 10 °C above setpoint temperature. Mechanical temperature limiter TB protection class 1 to switch off heating at approx. 30 °C above max. bath temperature.

- Solid state switching unit.
- 2 Pt100 sensors DIN-class A in 4-wire-circuit, for monitoring each other and taking over the performance at the same temperature value.
- Digital timer from 1 min to 999 h.
- ON (continuous operation) / WAIT (delayed on) / HOLD or HOLD setpoint dependent with guaranteed holding time.
- Digital display of temperature, time and alarm values.
- Calibration facility on controller.
- Audible and visible alarm at programme end and as input acknowledgement as well as in case of low liquid level; heating is switched off automatically.
- Triple overtemperature protection: In case of overtemperature due to failure the heating is switched off at approx. 10 °C above setpoint temperature. Independently working, electronic temperature controller TWW protection class 3.1 or adjustable

temperature limiter TWB protection class 2 to be selected by customer in set-up. Resolution of display / setting accuracy: 0.1 up to 99.9 °C, 1 °C from 100 °C. Mechanical temperature limiter TB class 1 to switch off heating about 30 °C above max. bath temperature.

Oil Baths ONE 7-45:

Temperature range from + 20 to + 200 °C are available in the same sizes as water baths. Features similar to WNE, however, instead of overtemperature controller TWW the oil baths are provided with adjustable temperature limiter TWB class 2 (it is not possible to choose between TWW and TWB).

Water Baths WNB:

- Electronic microprocessor PID-controller with integrated autodiagnostic system with fault indicator.
- Solid state switching unit.

Water Baths WNE:

- PID-microprocessor-control with fuzzy-support with integrated autodiagnostic system with fault indication.

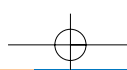


Type	Contents l	Inside dimension (W x D x H) mm	Outside dimensions (W x D x H) mm	Weight approx. kg	PU	Order No.
WNB 7	7	240 x 210 x 140	468 x 356 x 238 / 337	11	1	393-0WNB7
WNB 10	10	350 x 210 x 140	578 x 356 x 238 / 337	14	1	393-0WNB10
WNB 14	14	350 x 290 x 140	578 x 436 x 238 / 347	16	1	393-0WNB14
WNB 22	22	350 x 290 x 220	578 x 436 x 296 / 405	17	1	393-0WNB22
WNB 29	29	590 x 350 x 140	818 x 516 x 238 / 343	24	1	393-0WNB29
WNB 45	45	590 x 350 x 220	818 x 516 x 296 / 401	26	1	393-0WNB45
WBU 45	45	590 x 350 x 220	818 x 516 x 296 / 401	26	1	393-0WBU45
WNE 7	7	240 x 210 x 140	468 x 356 x 238 / 337	11	1	393-0WNE7
WNE 10	10	350 x 210 x 140	578 x 356 x 238 / 337	14	1	393-0WNE10
WNE 14	14	350 x 290 x 140	578 x 436 x 238 / 347	16	1	393-0WNE14
WNE 22	22	350 x 290 x 220	578 x 436 x 296 / 405	17	1	393-0WNE22
WNE 29	29	590 x 350 x 140	818 x 516 x 238 / 343	24	1	393-0WNE29
WNE 45	45	590 x 350 x 220	818 x 516 x 296 / 401	26	1	393-0WNE45
ONE 7	7	240 x 210 x 140	468 x 356 x 238 / 337	11	1	393-0ONE7
ONE 10	10	350 x 210 x 140	578 x 356 x 238 / 337	14	1	393-0ONE10
ONE14	14	350 x 290 x 140	578 x 436 x 238 / 347	16	1	393-0ONE14
ONE 22	22	350 x 290 x 220	578 x 436 x 296 / 405	17	1	393-0ONE22
ONE 29	29	590 x 350 x 140	818 x 516 x 238 / 343	24	1	393-0ONE29
ONE 45	45	590 x 350 x 220	818 x 516 x 296 / 401	26	1	393-0ONE45

More details!
Accessories on page 859.

Note: Supplied without cover - please order separately!

Exterior dimensions: height with flat cover / gable cover!

**Memmert****Accessories for Water Baths / Oil Baths**

- Flat cover made of stainless steel with openings and ring sets.
- Gable cover made of stainless steel.
- Constant water level device for WNB / WNE / WPE.

Description	For types	Openings with sets of rings	Openings- ø mm	PU	Order No.
Flat cover for water bath	WNE / WNB 7	1	187	1	393-LOWNB7
Flat cover for water bath	WNE / WNB 10	3	107	1	393LOWNB10
Flat cover for water bath	WNE / WNB 14	6	87	1	393LOWNB14
Flat cover for water bath	WNE / WNB 22	6	87	1	393LOWNB22
Flat cover for water bath	WNE / WNB 29	8	107	1	393LOWNB29
Flat cover for water bath	WNE / WNB / WBU 45	8	107	1	393LOWNB45
Gable cover for water bath	WNE / WNB 7	0	0	1	393-L1WNB7
Gable cover for water bath	WNE / WNB 10	0	0	1	393L1WNB10
Gable cover for water bath	WNE / WNB 14	0	0	1	393L1WNB14
Gable cover for water bath	WNE / WNB 22	0	0	1	393-L1WB22
Gable cover for water bath	WNE / WNB 29	0	0	1	393L1WNB29
Gable cover for water bath	WNE / WNB / WPE 45	0	0	1	393L1WNB45
Constant water level device	WNE / WNB / WPE	0	0	1	393-0000L3
Flat cover for oil bath	ONE 7	1	187	1	393-LOONE7
Flat cover for oil bath	ONE 10	3	107	1	393LOONE10
Flat cover for oil bath	ONE 14	6	87	1	393LOONE14
Flat cover for oil bath	ONE 22	6	87	1	393LOONE22
Flat cover for oil bath	ONE 29	8	107	1	393LOONE29
Flat cover for oil bath	ONE 45	8	107	1	393LOONE45
Gable cover for oil bath	ONE 7	0	0	1	393-L1ONE7
Gable cover for oil bath	ONE 10	0	0	1	393L1ONE10
Gable cover for oil bath	ONE 14	0	0	1	393L1ONE14
Gable cover for oil bath	ONE 22	0	0	1	393L1ONE22
Gable cover for oil bath	ONE 29	0	0	1	393L1ONE29
Gable cover for oil bath	ONE 45	0	0	1	393L1ONE45
Shaking device for water bath	WNE / WNB 14	0	0	1	393-OMM014
Shaking device for water bath	WNE / WNB 22	0	0	1	393-MM0022
Shaking device for water bath	WNE / WNB 29	0	0	1	393-MM0029
Shaking device for water bath	WNE / WNB 45	0	0	1	393-MM0045

