

Shaking Water Baths by GFL are untiring

■ Precision in series

GFL Shaking Water Baths are regarded as untiring all-purpose experts. Our product range is designed for precise heating-up processes and, simultaneously, gentle mixing or vigorous shaking.

Models 1083, 1086 (with reciprocating motion) and 1092 (with orbital motion) are equipped with digital display of temperature and, according to the specifications, with digital display of shaking frequency and a cooling coil.



1083

Technical Data

Temperature range:

approx. 5 °C above ambient to +99.9 °C

with water level regulator 1919: approx.

3 °C above tap water temperature to +99.9 °C

Temperature constancy (temporal): $\pm 0,1$ °C

Shaking motion: reciprocating,
with on / off switch

Shaking amplitude: 22 mm

Exterior dimensions (W x D x H):

715 x 520 x 330 mm

Net / gross weight: 28 / 32 kg

Packing volume: approx. 0.29 m³

■ Order No. 1083

Specifications and Features

- ▶ Microprocessor-controlled temperature regulation ensures fast heating up to the set temperature and an excellent temperature constancy: ± 0.1 °C, temporal
- ▶ Optimum temperature distribution throughout the whole bath interior
- ▶ Temperature display and setting digitally via LED display, in 0.1 °C increments. Fast and exact setting, exact reproducibility of the preset temperature
- ▶ Electronic monitoring of the temperature controller. In case of a fault, the cause is displayed on the LED.

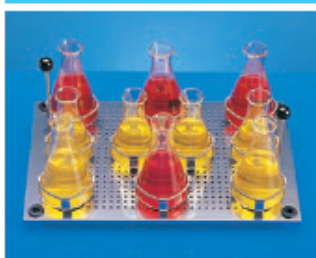
- ▶ Over-temperature cut-out: electronic, 4 °C above set temperature, and electro-mechanical > 130 °C
- ▶ Constant shaking frequency, independent of load, even when in continuous operation
- ▶ Maintenance-free and durable shaking device, electronically controlled and continuously settable shaking motion, gentle start-up. In models 1083 and 1086, the shaking device is guided on corrosion-resistant special ball bearings.
- ▶ Easily removable shaking rack
- ▶ Bath interior and shaking rack made of stainless steel

- ▶ No dripping back of condensate into the vessels due to double-walled insulating lid with interior camber
- ▶ Drain cock to empty the bath

Applications

Whenever exactly reproducible temperatures are required for shaking tasks, our Shaking Water Baths are used by standard and research laboratories. Their scope of applications comprises incubations, fermentations, homogenisations, chemical and biochemical reactions, enzyme and tissue studies.

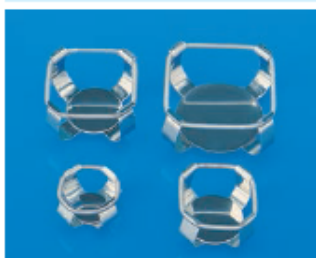
Shaking Water Baths 1083 / 1086 / 1092



Order No. 3960

Shaking Tray

made of stainless steel, with holes to accept clamps for Erlenmeyer flasks and other accessories. The tray has two handles that reach above the water's surface, for easy inserting and removing from the bath

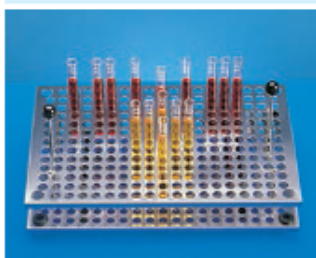


Clamps for Erlenmeyer flasks

made of stainless steel, to screw onto shaking tray 3960, supplied complete with fixing material

- Order No. 3983 for 25 ml flasks (52*)
- Order No. 3984 for 50 ml flasks (33*)
- Order No. 3985 for 100 ml flasks (22*)
- Order No. 3986 for 200 ml flasks (15*)
- Order No. 3987 for 250-300 ml flasks (13*)
- Order No. 3988 for 500 ml flasks (10*)
- Order No. 3989 for 1000 ml flasks (6*); raised lid required, price on request

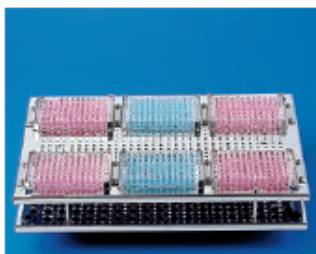
* maximum quantity of clamps per shaking tray



Test Tube Racks

made of stainless steel, with two handles that reach above the water's surface, for easy inserting and removing from the bath

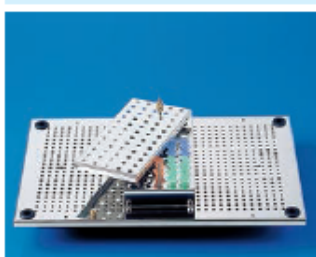
- Order No. 3920 for max. 243 tubes, Ø 16/17 mm, max. length 180 mm
- Order No. 3921 for max. 63 tubes, Ø 31 mm
- Order No. 3922 for max. 372 tubes, Ø 12 mm, max. length 180 mm



Order No. 3923

Rack

made of stainless steel, raised tray, with 6 holding frames for test plates

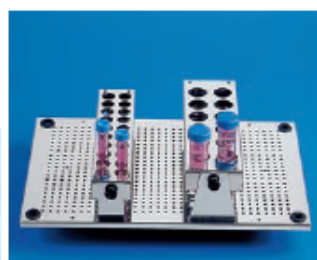


Holder for 58 reaction vessels

1.5 - 2.0 ml, with float protection, made of stainless steel, can be screwed onto tray 3960

Order No. 3926 max. 3 holders per tray

Accessories



Test Tube Racks

made of stainless steel. The holding device can be tilted by an angle of 90 ° and is equipped with springs for secure support. It can be screwed onto shaking tray 3960

- Order No. 3924 for example for Falcon tubes 15 ml, for max. 20 tubes Ø 12-17 mm, max. 4 racks per tray
- Order No. 3925 for example for Falcon tubes 50 ml, for max. 12 tubes Ø 25-29 mm, max. 3 racks per tray



Adjustable Water Level Regulator

to maintain a desired level of water (1083 / 1086 / 1092) and to cool Shaking Water Bath 1083 (from approx. 3 °C above tap water temperature)

Order No. 1919

THERMOLAB® 1070

Racks



for test tubes 50 ml
with 7 bore holes of 31 mm Ø each
Order No. 1710



for test tubes 15 ml
with 19 bore holes of 17 mm Ø each
Order No. 1711



for reaction vessels 1.5 - 2.0 ml
with 32 bore holes of 12 mm Ø each
Order No. 1712

1083 / 1086 / 1092 / 1070



Water Bath Protection Agent

ProAquaTop prevents the formation of algae, bacteria and mould. **Please use biocides safely. Always read labels and product information before use.**

Highly efficient: only 4 ml per litre of water. A necessary change of water is indicated by fading of the blue colouration.

3 Packing units:

- Order No. 1910 for 1 bottle / Contents 200 ml
- Order No. 1911 for 3 bottles / Contents 3 x 200 ml
- Order No. 1912 for 6 bottles / Contents 6 x 200 ml