

1002 - 1008

Successfully used

The range of Incubation and Inactivation Baths comprises seven models with five different sizes of 7 to 40 l capacity. Water Bath 1005 is especially suitable for warming medical hot packs. Water Baths 1012 and 1013 are equipped with a circulation system, thus guaranteeing an optimal temperature uniformity.

Specifications and features

- ▶ Short heating-up times.
- ▶ Temperature display and setting digitally via LED display, in 0.1 °C increments. Fast and exact setting, exact reproducibility of the set value.
- ▶ Electronic monitoring of the temperature regulator. In case of failure, the cause of the fault is shown on the display.
- ▶ Soft-touch keys with clear symbols. Two-finger operation prevents unintentional alterations of the set value.
- ▶ Interior (bath interior and heating element, cover frame, lid and perforated floor) made of stainless steel. Standard equipment: lid and perforated floor. Water Bath 1005 is supplied without perforated floor if the rack for hot packs 1923 (accessory) is ordered.



1005 Water Bath, 40 litres



1003 Water Bath, 14 litres

Technical data

Model Order No.	Interior dimensions			Exterior dimensions			Capacity approx. litres	Electrical connection*	Weight approx.		Packing volume approx m ³
	Width mm	Depth mm	Working height † mm	Width mm	Depth mm	Height mm			net kg	gross kg	
1002	245	200	145	340	395	255	7	230 V / 50...60 Hz / 1.0 kW	9,0	11	0.11
1003	400	245	145	500	440	255	14	230 V / 50...60 Hz / 1.5 kW	12,5	15	0.13
1004	600	245	145	700	440	255	21	230 V / 50...60 Hz / 1.5 kW	16,7	21	0.26
1005	410	296	315	510	490	445	40	230 V / 50...60 Hz / 1.5 kW	20,7	27	0.30
1008	400	245	205	500	440	325	20	230 V / 50...60 Hz / 1.5 kW	14,7	17	0.13

† perforated floor to upper rim

* Other voltages available on request

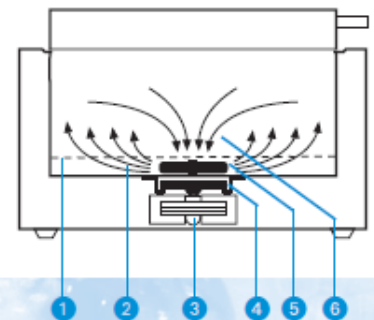
1012 / 1013

- ▶ Cover frame and lid have mirror finish. Lift-up, insulating lid with inner camber, no dripping back of condensate into the tubes.
- ▶ Corrosion-resistant outer housing, made of electrolytically galvanised sheet steel, powder-coated. Drain cock at the back.

Applications

All Water Baths models 1002 to 1013 are successfully used for incubations and inactivations of cultures, such as e.g. for warming bacteriological media, carrying out chemical reactions or thawing samples.

The circulation system of Water Baths 1012 and 1013 ensures optimum temperature uniformity throughout the whole bath. An electric motor with rotary magnet is flanged to the bath floor. Its torque is transmitted to a PTFE coated stirring magnet in the bath. The stirring magnet forces the water into the centre of the bath and then evenly back again.



- 1 Perforated floor
- 2 Water circulation
- 3 Motor
- 4 Rotary magnet
- 5 Stirring magnet
- 6 Water circulation

Additional technical data of models 1002 - 1013

Temperature regulation:	Microprocessor-controlled
Temperature constancy:	±0.1 °C temporal at 50 °C
Temperature range:	approx. 5 °C above ambient temperature to +99.9 °C
with water level regulator 1919:	approx. 3 °C above tap water temperature to +99.9 °C
Over-temperature cut-out:	electronic, 4 °C above set temperature and electro-mechanical >130 °C



1013 Water Bath with circulation system, 14 litres

Technical data

Model Order No.	Interior dimensions			Exterior dimensions			Capacity approx. litres	Electrical connection*	Weight approx.		Packing volume approx m ³
	Width mm	Depth mm	Working height [♦] mm	Width mm	Depth mm	Height mm			net kg	gross kg	
1012	245	200	145	340	395	325	7	230 V / 50...60 Hz / 1.0 kW	10,6	12	0.11
1013	400	245	145	500	440	325	14	230 V / 50...60 Hz / 1.5 kW	14,6	17	0.13

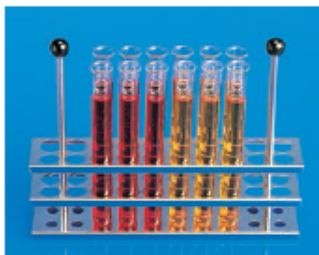
♦ perforated floor to upper rim

* Other voltages available on request

Accessories



1002-1008



Test Tube Rack
made of stainless steel,
with 20 openings of 18 mm Ø,
for test tubes of 16/17 mm Ø,
max. height 185 mm

Order No. 1920

Capacities:

Water Bath 1002	4 racks =	80 test tubes
Water Bath 1003 / 1008	8 racks =	160 test tubes
Water Bath 1004	12 racks =	240 test tubes
Water Bath 1005	9 racks =	180 test tubes



Test Tube Rack
made of stainless steel,
with 5 openings of 31 mm Ø,
max. height 185 mm

Order No. 1921

Capacities:

Water Bath 1002	4 racks =	20 test tubes
Water Bath 1003 / 1008	8 racks =	40 test tubes
Water Bath 1004	12 racks =	60 test tubes
Water Bath 1005	9 racks =	45 test tubes



Test Tube Rack
made of stainless steel,
with 20 openings of 13 mm Ø,
for test tubes of 12 mm Ø,
max. height 185 mm

Order No. 1922

Capacities:

Water Bath 1002	4 racks =	80 test tubes
Water Bath 1003 / 1008	8 racks =	160 test tubes
Water Bath 1004	12 racks =	240 test tubes
Water Bath 1005	9 racks =	180 test tubes



Milk Bottle Rack
made of stainless steel,
with 12 openings of 56 mm Ø,
for baby milk bottles

Order No. 1942

Capacities:

Water Bath 1002	1 rack =	12 bottles
Water Bath 1003 / 1008	2 racks =	24 bottles
Water Bath 1004	3 racks =	36 bottles
Water Bath 1005	2 racks =	24 bottles



**Adjustable
Water Level Regulator**
to keep the water level constant
and to cool Water Baths 1002-
1008 (approx. 3 °C above tap
water temperature)

Order No. 1919



1005



Rack for Water Bath 1005
made of stainless steel,
especially suitable for warming
medical hot packs.

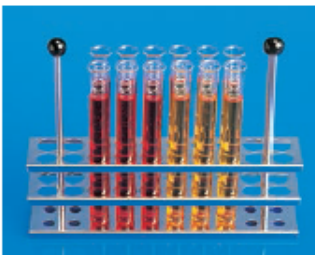
Order No. 1923

Capacities:

Water Bath 1005	up to 8 hot packs
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1012 / 1013



Test Tube Rack
made of stainless steel,
with 20 openings of 18 mm Ø,
for test tubes of 16/17 mm Ø,
max. height 185 mm

Order No. 1920

Capacities:

Water Bath 1012 4 racks = 80 test tubes
Water Bath 1013 8 racks = 160 test tubes



Test Tube Rack
made of stainless steel,
with 5 openings of 31 mm Ø,
max. height 185 mm

Order No. 1921

Capacities:

Water Bath 1012 4 racks = 20 test tubes
Water Bath 1013 8 racks = 40 test tubes



Test Tube Rack
made of stainless steel,
with 20 openings of 13 mm Ø,
for test tubes of 12 mm Ø,
max. height 185 mm

Order No. 1922

Capacities:

Water Bath 1012 4 racks = 80 test tubes
Water Bath 1013 8 racks = 160 test tubes



Milk Bottle Rack

made of stainless steel,
with 12 openings of 56 mm Ø,
for baby milk bottles

Order No. 1942

Capacities:

Water Bath 1012 1 rack = 12 bottles
Water Bath 1013 2 racks = 24 bottles



**Adjustable
Water Level Regulator**

to keep the water level constant
and to cool Water Baths 1012-
1013 (approx. 3 °C above tap
water temperature)

Order No. 1919

1002-1013



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.

Order No. 1910

Packing unit 1 bottle / Contents 200 ml.

Order No. 1911

Packing unit 3 bottles / Contents 3 x 200 ml

Order No. 1912

Packing unit 6 bottles / Contents 6 x 200 ml



Lid with openings

made of stainless steel, with sets
of rings made of heat-resistant
plastic material. Number and
diameter of openings can be
chosen between 52 and 192
mm, in steps of 20 mm.

Example

Price available on request

please state number and
diameter of openings

Increases the variability of the
Water Bath and reduces the loss
of heat when placing large
vessels into the Bath