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MLL Series

Water Bath

Equipment

WATER BATH

MLL SERIES

TYPE: ANALOG 147

DESCRIPTION

Analog water baths MLL 147 are dedicated for conducting analytical-medical, microbiological, physical, chemical and other research requiring temperature regimes in the range from 20 ° C to 99.9 ° C.

The containers in all baths are made of stainless steel with a seamless method, which completely eliminates the possibility of leaks.

Water baths are available in version:
two station
four station
six station
nine station.

SPECIFICATION

- Temperatue can be set smoothly from 20°C to 100°C
- Accuracy of temperature stabilization up to +/- 1,5°C (with stirer +/- 0,5°C)
- Optical signaling:
  - current temperature is shown on the LED display
  - low water level with automatic heating block (LED diode)
  - reaching the set water temperature (LED diode)
  - current water temperature is higher than the set temperature (LED diode)
  - signaling water heating (LED diode)
- power supply ~230 ~240 VAC, 50/60 Hz
- minimal water level is 65mm from container bottom (water level sensor is covered)
- Storage temperature range from +5°C to +40°C
- Working temperature range from +10°C to +40°C
- The temperature is set at least 5°C above ambient temperature.

KINDS

(container depth 150 mm lub 200 mm)

Water bath MLL 147/2

- Power consumption: maximum 1000 W, average 100 W
- Device dimensions: 390 x 325 x 170 mm
- Empty bath weight: 3,0 kg
- Container dimensions: 300 x 240 x 150(/200) mm

Water bath MLL 147/4

- Power consumption: maximum 1000 W, average 100 W
- Device dimensions: 480 x 325 x 170 mm
- Empty bath weight: 4,0 kg
- Container dimensions: 329 x 300 x 150(/200) mm

Water bath MLL 147/6

- PPower consumption: maximum 1500 W, average 150 W
- Device dimensions: 660 x 325 x 170 mm
- Empty bath weight: 5,0 kg
- Container dimensions: 505 x 300 x 150(/200) mm

Water bath MLL 147/9

- Power consumption: maximum 2000 W, average 200 W
- Device dimensions: 780 x 530 x 170 mm
- Empty bath weight: 9,0 kg
- Container dimensions: 625 x 505 x 150(/200) mm

ADDITIONAL EQUIPMENT

- Lids made of stainless steel (enables high temperatures of the water bath to be achieved):
  - reduction lid - allows you to adjust the size of the holes for inserting tubes or flasks.
  - smooth (with handle) – has steam release
- heate cover (perforated stainless steel sheet) – mounted on the heater inside the container. It allows placing containers with material directly inside the bath.
- The wide range of plexiglass and stainless steel tripods.
- Holders for flasks, baskets, hanges (stainless steel)

WATER BATH

MLL SERIES

TYPE: DIGITAL 547

DESCRIPTION

Digital water bath MLL 547 are dedicated for conducting analytical-medical, microbiological, physical, chemical and other research requiring temperature regimes in the range from 10.0 ° C to 99.9 ° C.

The baths of this group use digital technology that allows maintaining high stability of the set tempererature, programming the heating time and saving the preferred settings. The work with device is facilitated by LCD display messages and automatically activated security devices.

The containers in all baths are made of stainless steel with a seamless method, which completely eliminates the possibility of leaks.

Water baths are available in version:
two station
four station
six station.
nine station

SPECIFICATION

- Temperature set in range from 10°C to 99,9° (res. 0,1°C)
- Accuracy of temperature stabilization up to 0,2°C
- LCD display messages:
  - current temperature
  - set temperature
  - set heating time
  - water sensor damage (with heating block)
  - low water level (with heating block)
- Acustic signalization:
  - reaching the set temperature
  - end of programmed heating time (with heating block)
  - tempeature sensor damage (with heating block)
  - low water level (with heating block)
- signaling water heating (LED diode)
- power supply 230~240 VAC, 50/60 Hz
- minimal water level is 65mm from container bottom (water level sensor is covered)
- storage temperature range from +5°C to +40°C
- working temperature range from +10°C to +40°C
- the temperature is set at least 5°C above ambient temperature

KINDS

(container depth 150 mm lub 200 mm)

Water bath MLL 547/2

- Power consumption: maximum 1000 W, average 100 W
- Device dimensions: 390 x 325 x 170 mm
- Empty bath weight: 3,0 kg
- Container dimensions: 300 x 240 x 150(/200) mm

Water bath MLL 547/4

- Power consumption: maximum 1000 W, average 100 W
- Device dimensions: 480 x 325 x 170 mm
- Empty bath weight: 4,0 kg
- Container dimensions: 329 x 300 x 150(/200) mm

Water bath MLL 547/6

- Power consumption: maximum 1500 W, average 150 W
- Device dimensions: 660 x 325 x 170 mm
- Empty bath weight 5,0 kg
- Container dimensions: 505 x 300 x 150(/200) mm

Water bath MLL 547/9

- Power consumption: maximum 2000 W, average 200 W
- Device dimensions 780 x 530 x 170 mm
- Empty bath weight: 9,0 kg
- Container dimensions: 625 x 505 x 150(/200) mm

ADDITIONAL EQUIPMENT

- Lids made of stainless steel (enables high temperatures of the water bath to be achieved):
  - reduction lid - allows you to adjust the size of the holes for inserting tubes or flasks.
  - smooth (with handle) – has steam release
- heater cover (perforated stainless steel sheet) – mounted on the heater inside the container. It allows placing containers with material directly inside the bath.
- The wide range of plexiglass and stainless steel tripods.
- Holders for flasks, baskets, hanges (stainless steel)

LW SERIES

Water Bath Equipment

WATER BATH

LW SERIES

TYP: ANALOG 102

DESCRIPTION

Analog water bath LW 102 is dedicated for conducting analytical-medical, microbiological, physical, chemical and other research requiring temperature regimes in the range from 20.0 ° C to 60 ° C.

The LW bath thermostat is equipped with a stirrer that guarantees even temperature distribution throughout the entire container. The bath may be equipped with a cooling element which, when connected to an external water system, allows the set temperature to be kept below ambient temperature.

The water temperature maintained by the thermostat in the container can be adjusted:

- smoothly by means of two regulators, one for coarse regulation and the other for fine adjustment (it is necessary to control the temperature with an external thermometer)
- fixed with a switch on one of four sizes (no external temperature control needed)

The containers can be made of stainless steel (seamless method, which prevents leakage) or of glass.

Glass containers and plexiglass tripods allow observation of samples during tests.

SPECIFICATION

- Temperature is set in range from 20°C to 60°C
- Accuracy of temperature stabilization up to 0,1°C
- Temperature constant sets 25°C, 30°C, 37°C, 56°C
- Heating time to 56°C - 20 min (LW 102D 30 min)
- Rotation stirer 1100 rot/min
- Optical signalization:
  - heating water
  - reaching the set tempeature
  - exceeding the set temperatue
  - low water level with heating block
- Acoustic signalization:
  - exceeding the set temperatue with 1°C
  - water level is below sensor
- signaling water heating (LED diode)
- power supply 230~240 VAC, 50/60 Hz
- storage temperature range from +5°C to +40°C
- working temperature range from +10°C to +40°C
- the minimum difference between the ambient temperature and the set temperature:
  - 0°C with external cooling
  - 5°C without external cooling

KINDS

(according to the container material)

L

- Power consumption: maximum 1000 W, average 100 W
- 16,2 L glass container (dimensions exw. 360 x 300 x 150 mm)
- Additional equipment-tripods for test tubes made of plexiglass (2 pcs. - 44 holes at wed. 13 mm)

L

- Power consumption: maximum 1000 W, average 100 W
- 7 L glass container (dimensions exw. 360 x 130 x 150 mm)
- Additional equipment - tripods for test tubes made of plexiglass

L

- Power consumption: maximum 1000 W, average 100 W
- 5.5 l stainless steel container (dimensions exw. 176 x 325 x 150 mm)

ADDITIONAL EQUIPMENT

- wide range of plexiglass and staintelss steel tripods

WATER BATH

LW SERIES

TYPE: DIGITAL 502

DESCRIPTION

Digital water bath LW 502 is dedicated for conducting analytical-medical, microbiological, physical, chemical and other research requiring temperature regimes in the range from 10°C to 62°C.

The baths of this group use digital technology that allows maintaining high stability of the set tempererature, programming the heating time and saving the preferred settings. The work with device is facilitated by LCD display messages and automatically activated security devices.

The LW bath thermostat is equipped with a stirrer that guarantees even temperature distribution throughout the entire container. The bath may be equipped with a cooling element which, when connected to an external water system, allows the set temperature to be kept below ambient temperature.

The containers can be made of stainless steel (seamless method, which prevents leakage) or of glass.

Glass containers and plexiglass tripods allow observation of samples during tests

SPECIFICATION

- Temperature set in range from 10°C to 62° (res. 0,1°C)
- Accuracy of temperature stabilization up to 0,2°.
- LCD display messages:
  - current temperature
  - set temperature
  - set heating time
  - water sensor damage (with heating block)
  - low water level (with heating block)
- Acoustic signalization:
  - reaching the set temperature
  - end of programmed heating time (with heating block)
  - tempeature sensor damage (with heating block)
  - low water level (with heating block)
- signaling water heating (LED diode)
- power supply 230~240 VAC, 50/60 Hz
- storage temperature range from +5°C to +40°C
- working temperature range from +10°C to +40°C
- the minimum difference between the ambient temperature and the set temperature:
  - 0°C with external cooling
  - 5°C without external cooling

KINDS

(according to the container material)

○ Glass container

Water bath LW 502/S

- Power consumption: maximum 1000 W, average 100 W
- Glass container, capacity 7l (dimensions 360 x 130 x 150mm)

Water bath LW 502/D

- Power consumption: maximum 1000 W, average 100 W
- Glass container, capacity 16,2l (dimensions 360 x 300 x 150 mm)

○ Stainless steel container

Water bath LW 502/M – 1 – 150

- Power consumption: maximum 1000 W, average 100 W
- Container dimensions: 300 x 151 x 150 mm

Water bath LW 502/M – 2 – 150

- Power consumption: maximum 1000 W, average 100 W
- Container dimensions: 240 x 300 x 150mm

Water bath LW 502/M – 4 – 150

- Power consumption: maximum 1000 W, average 100 W
- Container dimensions: 329 x 300 x 150mm

Water bath LW 502/M – 6 – 150

- Power consumption: maximum 1000 W, average 100 W
- Container dimensions: 505 x 300 x 150mm

ADDITIONAL EQUIPMENT

- wide range of plexiglass and staintelss steel tripods

LWO SERIES

Plasma thawing bath

Water bath Equipment

WATER BATH

LWO SERIES

TYPE: PLASMA THAWING

DESCRIPTION

Digital water bath LWO is dedicated for conducting analytical-medical, microbiological, physical, chemical and other research requiring temperature regimes in the range from 10°C to 62°C.

These baths also meet all recommendations regarding plasma thawing conditions:

- the digital technology used allows maintaining high stability of the set temperature and programming the heating time
- each water bath has a thermostat with a stirrer, which guarantees even temperature distribution throughout the entire container
- containers are made of stainless steel with a seamless method, which eliminates the possibility of leaks
- container size: as per customer's expectation for 1,2,4,6 plasma bags
- the design of the baskets for placing the plasma bags ensures free flow of water around the material to be thawed

The work with device is facilitated by LCD display messages and automatically activated security devices.

SPECIFICATION

- temperature set in range from 10°C to 62° (res. 0,1°C)
- accuracy of temperature stabilization up to 0,2°.
- LCD display messages:
  - current temperature
  - set temperature
  - set heating time
  - water sensor damage (with heating block)
  - low water level (with heating block)
- acoustic signalization:
  - reaching the set temperature
  - end of programmed heating time (with heating block)
  - tempeature sensor damage (with heating block)
  - low water level (with heating block)
- signaling water heating (LED diode)
- power supply 230~240 VAC, 50/60 Hz
- power consumption: maximum 1000 W, average 100 W
- minimal water level is 65mm from container bottom (water level sensor is covered)
- storage temperature range from +5°C to +40°C
- working temperature range from +10°C to +40°C
- the minimum difference between the ambient temperature and the set temperature:
  - 0°C with external cooling
  - 5°C without external cooling

KINDS

(stainless steel container)

Water bath LWO 502/M – 1 – 200

- container capacity 7,5 l (dimensions 300 x 151 x 200mm)

Water bath LWO 502/M – 2 – 200

- container capacity 11,7 l (dimensions 240 x 300 x 200 mm)

Water bath LWO 502/M – 4 – 200

- container capacity 16,7 l (dimensions 329 x 300 x 200 mm)

Water bath LWO 502/M – 6 – 200

- container capacity 26,50 l (dimensions 505 x 300 x 200 mm)

ADDITIONAL EQUIPMENT

- wide range of plexiglass and staintelss steel tripods

VIBRA SERIES

With shaking

Water bath

Equipment

WATER BATH

VIBRA SERIES

TYPE: WATER BATH WITH SHAKING

DESCRIPTION

Digital water bath VIBRA is dedicated for conducting analytical-medical, microbiological, physical, chemical and other research requiring temperature regimes in the range from 10.0 ° C to 99.9 ° C.

The VIBRA digital water bath is used in laboratories and laboratories, where it is advisable to shake the material being analyzed or processed at a certain frequency.

The design of the bath allows the use of a cover during operation to limit the escape of steam.

The VIBRA series baths have a removable basket. After disassembly, they can also be used with the heater cover or reduction cover.

The containers in all baths are made of stainless steel with a seamless method, which completely eliminates the possibility of leaks.

Water baths are available in version:
four station
six station.

SPECIFICATION

- Temperature set in range from 10°C to 99,9° (res. 0,1°C)
- Accuracy of temperature stabilization up to 0,2°C
- LCD display messages:
  - current temperature
  - set temperature
  - set heating time
  - water sensor damage (with heating block)
  - low water level (with heating block)
- Acustic signalization:
  - reaching the set temperature
  - end of programmed heating time (with heating block)
  - tempeature sensor damage (with heating block)
  - low water level (with heating block)
- signaling water heating (LED diode)
- power supply 230~240 VAC, 50/60 Hz
- minimal water level is 65mm from container bottom (water level sensor is covered)
- storage temperature range from +5°C to +40°C
- working temperature range from +10°C to +40°C
- the temperature is set at least 5°C above ambient temperature

KINDS

VIBRA 4

- basket area: 180 x 240 mm
- external dimensions: 546 x 335 x 240 mm
- power consumption: maximum 1000 W, average 100 W

VIBRA 6

- basket area: 340 x 240 mm
- external dimensions: 725 x 335 x 240 mm
- power consumption: maximum 1500 W, average 150 W

ADDITIONAL EQUIPMENT

- Lids made of stainless steel (enables high temperatures of the water bath to be achieved)
- heater cover (perforated stainless steel sheet) – mounted on the heater inside the container. It allows placing containers with material directly inside the bath.
- The wide range of plexiglass and stainless steel tripods.
- Holders for flasks, baskets, hanges (stainless steel)

PW SERIES

With circulation

Water bath

Equipment

WATER BATH

PW SERIES

TYPE: WATER BATH WITH CIRCULATION

DESCRIPTION

Digital water bath PW is dedicated for conducting analytical-medical, microbiological, physical, chemical and other research requiring temperature regimes in the range from 10.0 ° C to 99.9 ° C.

The PW digital water bath is used in laboratories, where during heating the material undergoing analysis or treatment, it is advisable to secure an even distribution of water temperature throughout the entire container.

The water pump is placed in the bath housing, which allows you to fully use the entire surface of the container.

The intensity of the water flow around the tank is regulated by a knob.

The design of the bath allows the use of a cover during operation to limit the escape of steam.

The containers in all baths are made of stainless steel with a seamless method, which completely eliminates the possibility of leaks.

Water baths are available in version:
four station
six station.

SPECIFICATION

- Temperature set in range from 10°C to 99,9° (res. 0,1°C)
- Accuracy of temperature stabilization up to 0,2°C
- LCD display messages:
  - current temperature
  - set temperature
  - set heating time
  - water sensor damage (with heating block)
  - low water level (with heating block)
- Acustic signalization:
  - reaching the set temperature
  - end of programmed heating time (with heating block)
  - tempeature sensor damage (with heating block)
  - low water level (with heating block)
- signaling water heating (LED diode)
- power supply 230~240 VAC, 50/60 Hz
- minimal water level is 65mm from container bottom (water level sensor is covered)
- storage temperature range from +5°C to +40°C
- working temperature range from +10°C to +40°C
- the temperature is set at least 5°C above ambient temperature

KINDS

LPW 4

- external dimensions: 546 x 335 x 240 mm
- container dimensions 329 x 300 x 200 mm
- container capacity 16,7 L
- power consumption: maximum 1000 W, average 100 W

LPW 6

- external dimensions 725 x 335 x 240 mm
- container dimensions 505 x 300 x 200 mm
- container capacity 26,5 L
- Power consumption: maximum 1500 W, average 150 W

ADDITIONAL EQUIPMENT

- Lids made of stainless steel (enables high temperatures of the water bath to be achieved):
  - reduction lid - allows you to adjust the size of the holes for inserting tubes or flasks.
  - smooth (with handle) – has steam release
- heater cover (perforated stainless steel sheet) – mounted on the heater inside the container. It allows placing containers with material directly inside the bath.
- The wide range of plexiglass and stainless steel tripods.
- Holders for flasks, baskets, hanges (stainless steel)

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