

# RAYPA

Leading  
Lab Technologies

 Incubation and drying

## STANDARD INCUBATORS ID SERIES

PRECISE TEMPERATURE  
CONTROL AND EXCELLENT  
PERFORMANCE FOR A WIDE  
RANGE OF APPLICATIONS



# Standard incubators

**The standard ID Series natural convection incubators offer precise, uniform and highly effective in-chamber temperature control.** Temperature is regulated by a digital PID microprocessor. High quality temperature probes guarantee excellent sensitivity and accuracy. They are designed to actively prevent cross-contamination during cultivation with a stainless steel interior, frame and trays to minimize and eliminate contamination as well as mitigate the effect of airborne contaminants.

## INTENDED USE

- + INCUBATION OF MICROBIOLOGICAL AND CELL CULTURES
- + CRYSTAL GROWTH
- + CONDITIONING OF THERMOSENSITIVE MATERIALS
- + CONTROLLED STORAGE OF SAMPLES
- + SCIENTIFIC RESEARCH

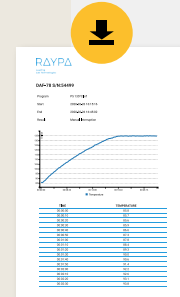


## FEATURES

- Incubation by natural convection.
- Setting temperature range from room temperature +5°C to 80°C.
- Heating by electric elements assembled in an independent chamber for optimal temperature stability.
- Temperature and time controlled by digital PID microprocessor, with 10 editable programs of customizable name, programmable with up to 10 temperature/time segments.
- Timer start and timer stop adjustable by date, hour and minute.
- Intuitive alphanumeric 3,5" LCD touchscreen user interface that displays time, temperature and cycles in graphs, has audiovisual alarms and advanced cycle and timer programming.
- Ethernet connection that allows the use of the online **RAYPanet** platform to view and export cycles, generate reports and simultaneously manage different equipment.
- Standard rear adjustable aeration device plus lateral in ID-20/40/50/90 or top in ID-150/480/720 for moisture evacuation and external probe access.
- Elastic silicone gasket.
- Easy to clean external metallic frame with epoxy resin coating.
- Inner chamber, inner side door and trays made of stainless steel AISI-304.
- Inner tempered glass door with magnetic lock.
- Only for ID-480 and ID-720: two-leaf outer door, two-leaf tempered glass inner door with magnetic lock and 4 swiveling casters with brakes.
- Temperature probe Pt100 class A.
- Available under special orders the adaptation with bacteriological filter in the inlet and/or outlet air for clean rooms or biohazardous applications.



## RAYPAnet NEW ONLINE DATA PROCESSING PLATFORM



All incubation and drying equipment have a Ethernet connection that allows the use of the **RAYPAnet** online platform on a PC to view and export all the information of the cycles with graphs and all the relevant data, with the ability to export data reports.



All cycle data can be viewed on the platform in real time or through the cycle history registry. Furthermore, all data can be exported in .csv and .pdf file formats for later consultation, study and storage.



The platform is compatible with all web browsers and multiple equipment can be connected and controlled simultaneously.



Touchscreen microprocessor detail.

## NEW MICROPROCESSOR FOR ALL INCUBATION AND DRYING EQUIPMENT



Intuitive alphanumeric user interface through a 3,5" LCD touchscreen that allows the display of time, temperature and cycle evolution in graphic format in real time.



Compatible with Celsius or Fahrenheit scales with a resolution of 0.1°C/°F.



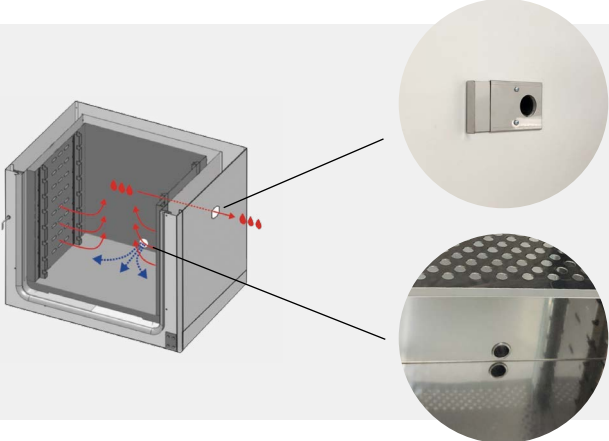
Capable of advanced cycle and timer programming, with up to 10 preset programs editable in parameters and name, programmable at a fixed temperature during an infinite time or with up to 10 time and temperature segments. Timer start and timer stop customizable by date and time.



Audiovisual security alarms for cycle finalization, probe failure, heating error, overheating and temperature out of range.

# Standard incubators

## Moisture evacuation scheme

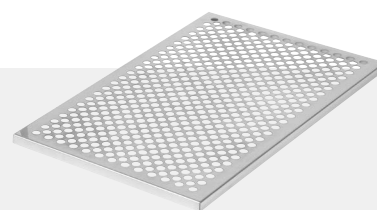


Holes for the evacuation of the moisture produced in the chamber and as an access port for external probes.

ID-20, ID-40, ID-50, ID-90 and ID-150 models: Posterior and lateral holes.

ID-288, ID-480 and ID-720 models: Single top hole.

## Accessories



### PERFORATED TRAYS MADE OF STAINLESS STEEL AISI-304

Reference	BE-20	BE-40	BE-50	BE-90	BE-150	BE-288	BE-480	BE-720
Incubator model	ID-20	ID-40	ID-50	ID-90	ID-150	ID-288	ID-480	ID-720
Maximum number of trays	5	7	6	9	9	15	19	23
Number of trays supplied	2	2	2	2	2	2	2	2
Dimensions L x D mm	235 x 225	325 x 285	443 x 315	425 x 385	575 x 485	590 x 574	775 x 570	975 x 570



### BACTERIOLOGICAL FILTER

Bacteriological filter of 0.22µm for inlet and/or exhaust air.  
Reference: FIL-ID/DOD



### LOCKABLE HANDLE

Lockable door protects samples from unauthorized access.  
Reference: MCLL

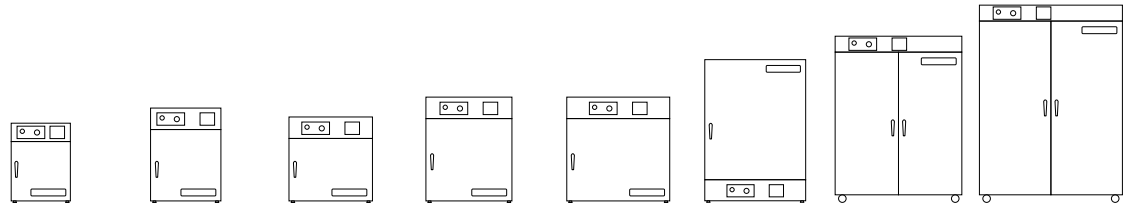


### DOUBLE GLASS EXTERIOR DOOR

Double tempered glass door under request.

## TECHNICAL DATA

### Dimensions and performance



Reference	ID-20	ID-40	ID-50	ID-90	ID-150	ID-288	ID-480	ID-720
Capacity L	20	40	50	90	150	288	480	720
Stability °C	±0,2	±0,2	±0,2	±0,2	±0,2	±0,2	±0,2	±0,2
Homogeneity %	±2	±2	±2	±2	±3	±3	±3	±3
Resolution °C	0,1	0,1	0,1	0,1	0,1	0,1	0,1	0,1
Internal dimensions L x D x H mm	230 x 250 x 300	350 x 300 x 400	450 x 330 x 330	430 x 400 x 500	580 x 500 x 500	600 x 600 x 800	800 x 600 x 1000	980 x 600 x 1200
External dimensions L x D x H mm	440 x 440 x 590	540 x 435 x 690	660 x 465 x 620	640 x 550 x 790	790 x 635 x 790	740 x 750 x 1100	950 x 725 x 1270	1150 x 725 x 1470
Power W	160	260	260	400	500	1000	1800	1800
Voltage* V	230	230	230	230	230	230	230	230
Weight Kg	27	40	45	54	74	120	223	280

\* Also available with a voltage of 115 V.

### Features

Reference	ID-20	ID-40	ID-50	ID-90	ID-150	ID-288	ID-480	ID-720
Casters with brakes	-	-	-	-	-	-	✓	✓
Doors	internal	1	1	1	1	1	2	2
	external	1	1	1	1	1	2	2
Usb and ethernet connection	✓	✓	✓	✓	✓	✓	✓	✓

✓: Included

### Supplied with

- 2 perforated trays made of stainless steel AISI-304 adjustable in height, with anti-tilting system.
- Access to the online platform **RAYPanet**.

### Safety

- Audiovisual security alarms: end of cycle, probe failure, heating error, overheating and temperature out of range.
- Manual push-button that governs all the oven circuits and lights up when activated.
- Manually adjustable class 2 hydraulic safety thermostat that interrupts heating in case of failure of the main regulator. Thermostat is accompanied by a push-button to reset the thermostat and a immobilization device that immobilizes the thermostat knob to avoid involuntary displacement. Thermostat's correct operation is displayed by a warning light that lights up after proper rearming.
- Stainless steel interior and corrosion-resistant easy-to-clean metallic exterior that remains at safe temperature without overheating.
- Door lock protects samples from unauthorized access (optional accessory: MCLL).
- Homogeneity and temperature stability according to DIN 12880 regulation.
- Safety according to EN 61010-1 and EN 61010-2-010 regulations.

+ info


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ACCESS  
TO THE VIDEO  
OF THE  
ID SERIES

Find out more about **ID Series** incubators on our **Youtube Channel**



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