



OVENS



DRYING AND STERILIZING OVENS "TERMODRY"

Natural air convection.
 For adjustable temperatures from 40°C to 250°C.
 Temperature homogeneity $\pm 2\%$.
 Temperature stability $\pm 0,5\%$.
 Thermic tests of homogeneity and stability temperature beyond rules DIN-50011
 Safety beyond rules EN-61010-1, EN-61010-2-010

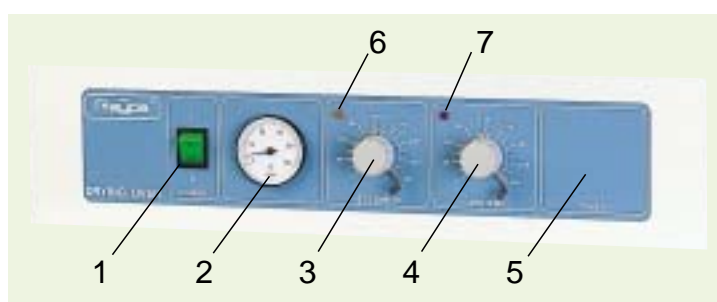
CHARACTERISTICS

Epoxy resin oven painted external case.
 Inside tray, double body and counter door made of stainless steel AISI 304.
 Elastic silicone seal.
 Adjustable aeration device.
 Temperature regulation by hydraulic thermostat.
 Analogical thermometer, inside temperature reader.
 Heating by electric resistance assembled in independent chamber, which allows the optimum temperature stabilization.
 Fully supplied with two perforated shelves AISI 304 height adjustable with anti tip system.



CODE	REF.	CAPACITY	INT. MEASURES mm.	EXT. MEASURES mm.	POWER	WEIGHT
		LITERS	HEIGHT x WIDTH x DEPTH	HEIGHT x WIDTH x DEPTH	W	Kg
17360020	DO-20	20	300 x 250 x 250	610 x 440 x 400	600	27
17370040	DO-40	40	400 x 350 x 300	710 x 540 x 450	900	40
17380050	DO-50	50	330 x 470 x 330	520 x 790 x 470	900	45
17390090	DO-90	90	500 x 450 x 400	810 x 640 x 550	1.200	54
17400015	DO-150	150	500 x 600 x 500	690 x 920 x 640	1.500	70

CONTROL PANEL



- 1.- Mains switch.
- 2.- Analogue thermometer.
- 3.- Hydraulic thermostat.
- 4.- Safety thermostat class 2 incorporated from factory.
- 5.- Space for disconnecting clock (ACCESSORY)
- 6.- Heating pilot-light.
- 7.- Safety thermostat pilot-light

ACCESSORIES

Stainless steel perforated trays

CODE	REF.	FOR OVEN	N° OF TRAYS PER OVENS
90170120	BE-20	DO-20	5
90170340	BE-40	DO-40	7
90170550	BE-50	DO-50	6
90170790	BE-90	DO-90	9
90170915	BE-150	DO-150	9

Disconnecting clock of 0-120 minutes
 Ref. RD-120
 Code 90000004

Disconnecting clock of 0-12 hours
 Ref. RD-12
 Code 90000003

BACTERIOLOGICAL AND CULTURE OVENS "INCUTERM"



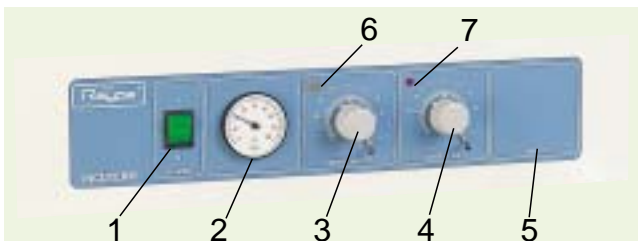
Natural air convection.
 For adjustable temperatures from ambient +5 to 80°C.
 Temperature homogeneity $\pm 2\%$.
 Temperature stability $\pm 0,5^\circ\text{C}$
 Thermic tests of homogeneity and stability temperature beyond rules DIN-58945
 Safety beyond rules EN-61010-1, EN-61010-2-010

CHARACTERISTICS

Epoxy resin oven painted external case.
 Inside tray, double body and counter door made of stainless steel AISI 304.
 Elastic silicone seal.
 Adjustable aeration device.
 Temperature regulation by hydraulic thermostat.
 Analogical thermometer, inside temperature reader.
 Heating by electric resistance assembled in independent chamber, which allows the optimum temperature stabilization.
 Inside door made of tempered glass with magnetic closure.
 Fully supplied with two perforated shelves AISI 304 height adjustable with anti tip system.

CODE	REF.	CAPACITY LITERS	INT. MEASURES mm. HEIGHT x WIDTH x DEPTH	EXT. MEASURES mm. HEIGHT x WIDTH x DEPTH	POWER W	WEIGHT Kg
17250020	I-20	20	300 X 250 x 250	610 x 440 x 400	160	27
17260040	I-40	40	400 x 350 x 300	710 x 540 x 450	260	40
17270050	I-50	50	330 x 470 x 330	520 x 725 x 490	260	44
17280090	I-90	90	500 x 450 x 400	810 x 640 x 550	400	54
17670015	I-150	150	500 x 600 x 500	690 x 920 x 640	500	70
17640028	I-288	288	800 x 600 x 600	1.100 x 750 x 760	1.000	88

CONTROL PANEL



- 1 Mains switch.
- 2 Analogue thermometer.
- 3 Hydraulic thermostat.
- 4 Safety thermostat. Class 3.1 incorporated from factory
- 5 Space for disconnecting clock (ACCESSORY)
- 6 Heating pilot-light.
- 7 Safety thermostat pilot-light

ACCESSORIES

Stainless steel perforated trays

CODE	REF.	FOR OVEN	N°OF TRAYS FOR OVEN	CODE	REF.	FOR OVEN	N°OF TRAYS FOR OVEN
90170120	BE-20	I-20	5	90170790	BE-90	I-90	9
90170340	BE-40	I-40	7	90170915	BE-150	I-150	9
90170550	BE-50	I-50	6	90171128	BE-288	I-288	15

Disconnecting clock of 0-12 hours
 Ref. RD-12
 Code 9000003

“DIGIT” OVENS WITH DIGITAL REGULATION AND READING OF TIME AND TEMPERATURE



DRYING OVEN DIGIT, Mod. DOD:
Drying and sterilizing ovens with natural air convection.



DIGIOVEN, Mod. DAF:
Drying and sterilizing ovens with forced air circulation.



INCUTERM DIGIT, Mod. ID:
Bacteriological and culture ovens.

CHARACTERISTICS

Epoxy resin oven painted external case.

Inside tray, double body and counter door made of stainless steel AISI 304.

Elastic silicone seal.

Adjustable aeration device.

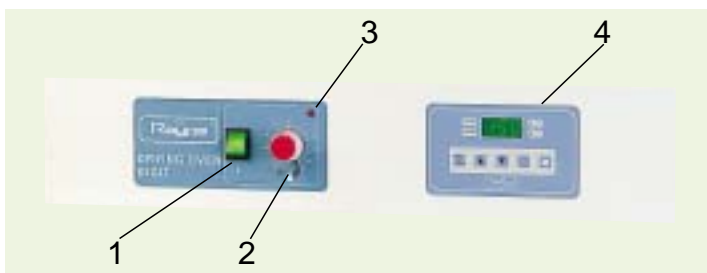
Electronic thermostat by microprocessor with digital selection and reading of temperature. Waiting time when starting can be programmed from 0 to 99,50 hours. Still time of temperature programmable from OFF to 99,50 hours.

Temperature sensor PT 100 DIN.

Heating by electric resistance assembled in independent chamber, which allows the optimum temperature stabilization.

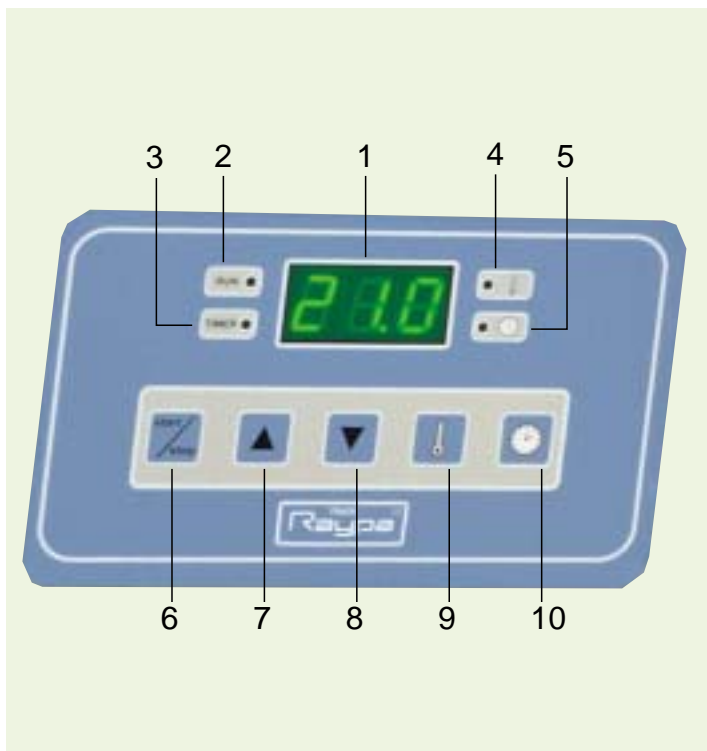
Fully supplied with two perforated shelves AISI 304 height adjustable with anti tip system.

CONTROL PANEL



- 1 Mains switch.
- 2 Safety thermostat. incorporated from factory.
- 3 Safety thermostat pilot-light.
- 4 Temperature and time controller, digital microprocessor, with P.I.D. action.

TECNICAL SPECIFICATIONS



1 TEMPERATURE DISPLAY

Digital display of 3 green digits for the display of the temperature, and for the display of the different messages and values of the edition and configuration variables.

2 RUN PILOT INDICATOR

It will light up when the controller is executing the program.

3 TIMER PILOT INDICATOR

It will light up when the controller is executing the waiting time.

4 THERMOMETER PILOT INDICATOR

It will light up when the controller is ON, the heating exit is activated.

5 CLOCK PILOT INDICATOR

It will light up when the controller is ON, and it is executing the still temperature time.

6 START/STOP KEY

It starts or stops the executing program.

7 UP KEY

It increases the variable values of edition and configuration.

8 DOWN KEY

It decreases the variable values of edition and configuration.

9 THERMOMETER KEY

To enter in the edition of the temperature consignment.

10 CLOCK KEY

To enter in the edition of the waiting and keeping times.

DRYING AND STERILIZING OVENS "DIGIT" MOD. DOD



Natural air convection.
 For adjustable temperatures from 40°C to 250°C.
 Temperature homogeneity $\pm 2\%$.
 Temperature stability $\pm 0,25\%$.
 Thermic tests of homogeneity and stability
 temperature beyond rules DIN-50011
 Safety beyond rules EN-61010-1, EN-61010-2-010
 Safety thermostat class 2 incorporated from factory
 with overheating lamp
 Thermic isolation by mineral wool, of low conductivity.
 Microprocessor's keyboard and screen with IP-54.
 Blocking device of the safety thermostat. It blocks
 the involuntary turn.

CODE	REF.	CAPACITY LITERS	NT. MEASURES mm. HEIGHT x WIDTH x DEPTH	EXT. MEASURES mm. HEIGHT x WIDTH x DEPTH	POWER W	WEIGHT Kg
17710020	DOD-20	20	300 x 250 x 250	610 x 440 x 400	600	27
17720040	DOD-40	40	400 x 350 x 300	710 x 540 x 450	900	40
17730050	DOD-50	50	330 x 470 x 330	520 x 790 x 470	900	45
17740090	DOD-90	90	500 x 450 x 400	810 x 640 x 550	1.200	54
17750150	DOD-150	150	500 x 600 x 500	690 x 920 x 640	1.500	70

ACCESSORIES

Stainless steel perforated trays

CO	REF.	FOR OVEN	N° OF TRAYS PER OVENS
90170120	BE-20	DOD-20	5
90170340	BE-40	DOD-40	7
90170550	BE-50	DOD-50	6
90170790	BE-90	DOD-90	9
90170915	BE-150	DOD-150	9

UNIVERSAL DRYING AND STERIZING OVENS "DIGIOVEN" MOD. DAF

Air forced circulation.

For adjustable temperatures from ambient +5°C to 250°C.

Temperature homogeneity $\pm 1,5\%$.

Temperature stability $\pm 0,1\%$.

Thermic tests of temperature homogeneity and stability beyond rules DIN-50011

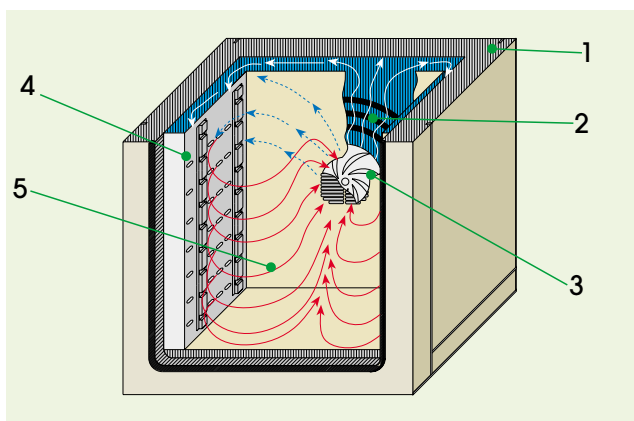
Safety beyond rules EN-61010-1, EN-61010-2-010

Safety thermostat class 2 incorporated from factory with overheating lamp

Thermic isolation by mineral wool, of low conductivity.

Microprocessor's keyboard and screen with ip-54.

Blocking device of the safety thermostat. It blocks the involuntary turn.



AIR CIRCULATION SYSTEM

- 1 Mineral fibre isolation.
- 2 Heating resistance.
- 3 Stainless steel aeration fan with tropicalized motor
- 4 Air outlet
- 5 Air circulating system

CODE	REF.	CAPACITY LITERS	INT. MEASURES mm. HEIGHT x WIDTH x DEPTH	EXT. MEASURES mm. HEIGHT x WIDTH x DEPTH	POWER W
17510043	DAF-43	43	330 x 470 x 280	520 x 790 x 470	1.000
17530078	DAF-78	78	500 x 450 x 350	810 x 640 x 550	1.000
17550013	DAF-135	135	500 x 600 x 450	690 x 920 x 640	1.000
17570025	DAF-250	250	800 x 600 x 520	1100 x 750 x 760	3.000

ACCESSORIES

Stainless steel perforated trays

CODE	REF.	FOR OVEN	N° OF TRAYS PER OVENS
90170443	BE-43	DAF-43	6
90170678	BE-78	DAF-78	9
90170813	BE-135	DAF-135	9
90171025	BE-250	DAF-250	15



Programming regulator for time and temperature of 100 segments, with a capacity of 10 programmes of 10 segments each. Adjustable time from 1 segment to 99 hours. Program repetition from 0 to 99 times.

Ref. RPTT-100

Code 90000011

BACTERIOLOGICAL AND CULTURE OVENS INCUTERM "DIGIT" MOD. ID



Natural air convection.
 For adjustable temperatures from ambient +5 to 80°C.
 Temperature homogeneity $\pm 2\%$.
 Temperature stability $\pm 0,2^\circ\text{C}$
 Thermic tests of homogeneity and stability temperature beyond rules DIN-58945
 Safety beyond rules EN-61010-1, EN-61010-2-010
 Safety thermostat class 3.1 Incorporated from factory with overheating lamp
 Thermic isolation by mineral wool, of low conductivity.
 Blocking device of the safety thermostat. It blocks the involuntary turn.
 Inside door made of tempered glass with magnetic closure.

CODE	REF.	CAPACIDAD LITERS	INT. MEASURES mm. HEIGHT x WIDTH x DEPTH	EXT. MEASURES mm. HEIGHT x WIDTH x DEPTH	POWER W	WEIGHT Kg
17650020	ID-20	20	300 x 250 x 250	610 x 440 x 400	160	27
17660040	ID-40	40	400 x 350 x 300	710 x 540 x 450	260	40
17670050	ID-50	50	330 x 470 x 330	520 x 790 x 470	260	44
17680090	ID-90	90	500 x 450 x 400	810 x 640 x 550	400	54
17690150	ID-150	150	500 x 600 x 500	690 x 920 x 640	500	70
17290028	ID-288	288	800 x 600 x 600	1.100 x 750 x 760	1.000	88

ACCESSORIES

Stainless steel perforated trays

CODE	REF.	FOR OVEN	N° OF TRAYS PER OVENS
90170120	BE-20	ID-20	5
90170340	BE-40	ID-40	7
90170550	BE-50	ID-50	6
90170790	BE-90	ID-90	9
90170915	BE-150	ID-150	9
90171128	BE-288	ID-288	15

BIG FORMAT OVENS "MACRO" SERIES

DIGIOVEN-MACRO Mod. DAF: Drying and sterilizing ovens, with forced air circulation.

INCUTERM-MACRO Mod. I: Bacteriological and culture ovens.

CHARACTERISTICS

Epoxy resin oven painted external case.

Inside tray, double body and counter door made of stainless steel AISI 304.

Elastic silicone seal.

Adjustable aeration device.

Electronic thermostat by microprocessor with digital selection and reading of temperature. Waiting time when starting can be programmed from 0 to 99,50 hours. Still time of temperature programmable from OFF to 99,50 hours.

Temperature sensor PT 100 DIN class A.

Heating by electric resistance.

Fully supplied with two perforated shelves AISI 304 height adjustable with anti tip system.

DRYING AND STERILIZING OVENS DIGIOVEN-MACRO



Air forced circulation.

For adjustable temperatures from ambient +5°C to 250°C.

Temperature homogeneity $\pm 2,5\%$.

Temperature stability $\pm 0,2\%$.

Double door.

Rotating wheels to move the oven easily.

Safety thermostat class 2 incorporated from factory with overheating lamp

The rest of the characteristics and temperature control are the same as the ovens series "digit" and "digioven".

CODE	REF.	CAPACITY LITERS	INT. MEASURES mm. HEIGHT x WIDTH x DEPTH	EXT. MEASURES mm. HEIGHT x WIDTH x DEPTH	POWER W	WEIGHT Kg
17580042	DAF-425	425	1.000 x 800 x 530	1.370 x 950 x 770	3.000	120
17590063	DAF-635	635	1.200 x 1.000 x 530	1.570 x 1.150 x 770	3.000	140

ACCESSORIES

Stainless steel perforated trays

CODE	REF.	FOR OVEN	N°OF TRAYS PER OVENS
90171242	BE-425	DAF-425	19
90171463	BE-635	DAF-635	23



Programming regulator for time and temperature of 100 segments, with a capacity of 10 programmes of 10 segments each. Adjustable time from 1 segment to 99 hours. Program repetition from 0 to 99 times.

Ref. RPTT-100

Code 90000011

CULTURE AND BACTERIOLOGICAL OVENS INCUTERM-MACRO



Natural air convection.

For adjustable temperatures from ambient +5 to 80°C.

Temperature homogeneity $\pm 2\%$.

Temperature stability $\pm 0,2^\circ\text{C}$

Metallic double door.

Inside double door made of tempered glass with magnetic closure.

Rotating wheels to move the oven easily.

Safety thermostat class 3.1 Incorporated from factory with overheating lamp

The rest of the characteristics and temperature control are the same as the ovens series "digit" and "incuterm-digit".

CODE	REF.	CAPACITY LITERS	INT. MEASURES mm. HEIGHT x WIDTH x DEPTH	EXT. MEASURES mm. HEIGHT x WIDTH x DEPTH	POWER W	WEIGHT Kg
17300020	I-480	480	1.000 x 800 x 600	1.370 x 950 x 765	1.000	120
17310040	I-720	720	1.200 x 1.000 x 600	1.570 x 1.150 x 765	1.500	140

ACCESSORIES

Stainless steel perforated trays

CODE	REF.	FOR OVEN	N°OF TRAYS PER OVENS
90171242	BE-480	I-480	19
90171463	BE-720	I-720	23

VACUUM DRYING OVEN A "VACUTERM"

Vacuum drying ovens are used to dry delicate and sensible to the heat substances, without damaging them because the boiling point is lower.

There are different application fields in different sectors like the Chemical Industry, Pharmaceutical Industry, Food-processing Industry, Optic s,...

CONSTRUCTION

Epoxy resin oven painted external case.

Inerior made in polished stainless steel AISI 304.

Two perforated shelves made in alluminium with galvanic treatment.

CHARACTERISTICS

Adjustable temperatures: from 35 °C to 200 °C.

Temperature homogeneity: ± 4°C full scale.

Temperature stability: ± 1 °C full scale.

Temperature display accuracy: ± 2 °C full scale.

Maximum admissible vacuum: 10⁻² mb.

Safety according to: EN-61010-1, EN-61010-2-010.

Double safety glass against implisions according to regulations.

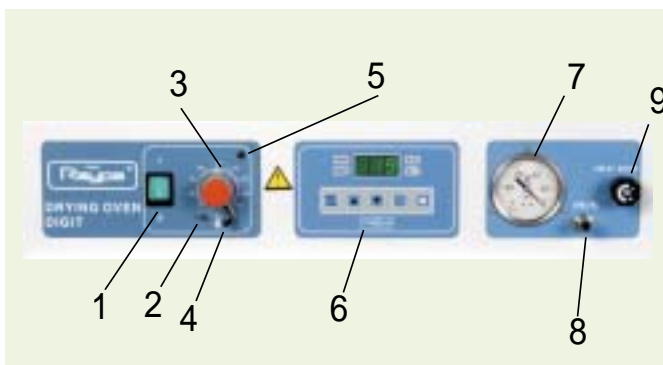
Safety thermostat: class 2 incorporated from factory.

Time and temperature controller: digital by microprocessor.

Temperature probe: Pt 100 Class A



CONTROL PANEL



- 1 Main switch.
- 2 Rearm button of safety thermostat.
- 3 Safety thermostat (class 2).
- 4 Thermostat handle locker.
- 5 Safety thermostat pilot-light.
- 6 Time and temperature electronic controller.
- 7 Pressure gauge indicator of the internal vacuum.
- 8 Air inlet.
- 9 Regulation valve.

CODE	REF.	CAPACITY LITERS	INT. MEASURES mm. HEIGHT x WIDTH x DEPTH	EXT. MEASURES mm. HEIGHT x WIDTH x DEPTH	POWER W	WEIGHT Kg
17330050	EV-50	50	345 x 420 x 350	530 x 700 x 480	1.500	60

HYBRIDIZATION OVEN "EH"

CHARACTERISTICS

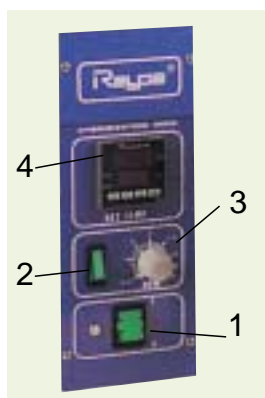
Air forced circulation.
For adjustable temperatures from 30 to 80°C. Precision $\pm 0,5^\circ\text{C}$.
Safety beyond rules en-61010-1, en-61010-2-010.
Epoxy resin oven painted external case.
Inside tray made of stainless steel aisi 304.
Elastic silicone joint.
Glass door with metallic frame, assembled with flexible sites.
Stirring oscillating tray with adjustable speed.
Rotor for 4 hybridisation tubes.



CODE	REF.	CAPACITY LITERS	INT. MEASURES mm. HEIGHT x WIDTH x DEPTH	EXT. MEASURES mm. HEIGHT x WIDTH x DEPTH	POWER W	WEIGHT Kg
17320014	EH	14	200 x 350 x 200	265 x 530 x 320	500	25

CONTROL PANEL

- 1 Mains switch.
- 2 Start/Stop switch of stirring and rotating function.
- 3 Command for stirring and rotating regulation.
- 4 Digital temperature regulator by microprocessor with P.I.D. action, with double -screen (selected temperature/real temperature).



ACCESSORIES

Borosilicate vessel with hermetic cap $\varnothing 50 \times 300$
Ref. CVH - Code 90172600

Metacrilate vessel, with hermetic cap $\varnothing 50 \times 300$
Ref. CMH - Code 90172700