THERMOSTATIC BATHS AND ULTRASONICS

THERMOSTATIC WATER AND OIL BATHS
"ECOBATH" y "DIGIBATH-2"

"ECOBATH" SERIAL WITH ANALOGICAL TEMPERATURE REGULATION AND SAFETY THERMOSTAT CLASS 2 INCORPORATED.

"DIGIBATH" SERIAL WITH DIGITAL TEMPERATURE AND TIME REGULATION AND SAFETY THERMOSTAT CLASS 2 INCORPORATED.

THERMOSTATIC BATHS "ECOBATH"

ADJUSTABLE TEMPERATURES FROM AMBIENT +5°C UP TO 110°C. STABILITY OF ± 1°C.
ADJUSTABLE TEMPERATURES FROM AMBIENT +5°C UP TO 200°C. STABILITY OF ± 2°C.

CHARACTERISTICS

Stamped stainless steel interior tank AISI-310, and stainless steel external case AISI-304.

Stainless steel heating element inside the tank.

Frontal control panel, with start up mains switch, hydraulic thermostat temperature regulator by means of graduated scale(°C), and pilot-light.
Over-temperature pilot-light alarm.

Safety thermostat with manual rearm which disconnects the apparatus in case of over temperature or lack of liquid, according to DIN 12.877 class 2 regulation.

Inside tray cover-resistance as standard equipment.

Safety according EN-61010-1 regulation.

CODE	REF.	CAPACITY LITERS	TEMP °C	INT. MEASURES mm. HEIGHT x WIDTH x DEPTH	EXT. MEASURES mm. HEIGHT x WIDTH x DEPTH	POWER W	WEIGHT Kg.
15110002	BAE-2	5	110	120 x 295 x 140	230 x 340 x 190	600	4,5
15150002	BOE-2	5	200	120 x 295 x 140	230 x 340 x 190	1.000	4,5
15120004	BAE-4	12	110	120 x 295 x 320	230 x 335 x 370	1.200	7
15100004	BOE-4	12	200	120 x 295 x 320	230 x 335 x 370	1.500	7
15130006	BAE-6	20	110	120 x 490 x 290	230 x 540 x 335	1.600	8,5
15170006	BOE-6	20	200	120 x 490 x 290	230 x 540 x 335	2.000	8,5
15140012	BAE-12	40	110	120 x 620 x 500	230 x 660 x 540	2.400	13
15180012	BOE-12	40	200	120 x 620 x 500	230 x 660 x 540	3.200	13

THERMOSTATIC BATHS
"DIGIBATH-2"

DIGITAL LECTURE AND READING OF TEMPERATURE AND TIME

- **ADJUSTABLE TEMPERATURE FROM AMBIENT +5°C UP TO 99,9°C.**
  Resolution: 0,1°C; Stability: ±0,15°C; Homogeneity: ±1°C

- **ADJUSTABLE TEMPERATURE FROM AMBIENT +5°C UP TO 200°C.**
  Resolution: 1°C; Stability: ±0,4°C; Homogeneity: ±2°C

CHARACTERISTICS

- Interior tank and external case completely made in stainless steel.
- Stainless steel heating element inside the tank.
- Start up mains switch.
- Over-temperature or lack of liquid safety thermostat, with manual rearm according to DIN 12.877 class 2 regulation.
- Digital reading and regulation of temperature by micrprocessor with P.I.D. and temperature probe PT-100 DIN.
- Waiting time to the automatic self-starter can be programmed from 0 to 99,50 hours.
- Keeping time of temperature can be programmed from OFF and 0,00 to 99,50 hours.
- Drainpipe incorporated.
- Stainless steel perforated cover-resistance tray.

RANGE OF MODELS

REF.	CAPACITY LITERS	TEMP. °C	INT. MEASURES mm. HEIGHT x WIDTH x DEPTH	EXT. MEASURES mm. HEIGHT x WIDTH x DEPTH	POWER W	WEIGHT Kg
BAD-2 BOD-2	5	99,9 200	120 x 295 x 140	210 x 340 x 280	600 1.000	5
BAD-4 BOD-4	12	99,9 200	120 x 295 x 320	210 x 340 x 450	1.200 1.500	7,5
BAD-6 BOD-6	20	99,9 200	120 x 490 x 290	210 x 340 x 630	1.600 2.000	10
BAD-12 BOD-12	40	99,9 200	120 x 620 x 500	210 x 660 x 630	2.400 3.200	15

CONTROL PANEL

1.- TEMPERATURE'S DISPLAY
Three green digits digital display to display the temperature and the different messages and values of the edition and configuration variables.

2.- RUN PILOT-LIGHT
It lights-up when the controller is executing the program.

3.- TIMER PILOT-LIGHT
It lights-up when the controller is executing the waiting time.

4.- THERMOMETER PILOT-LIGHT
It lights-up when the controller is ON, and it activates the heating outlet.

5.- CLOCK PILOT-LIGHT: It lights-up when the control is ON and it is executing the temperature maintaining time.
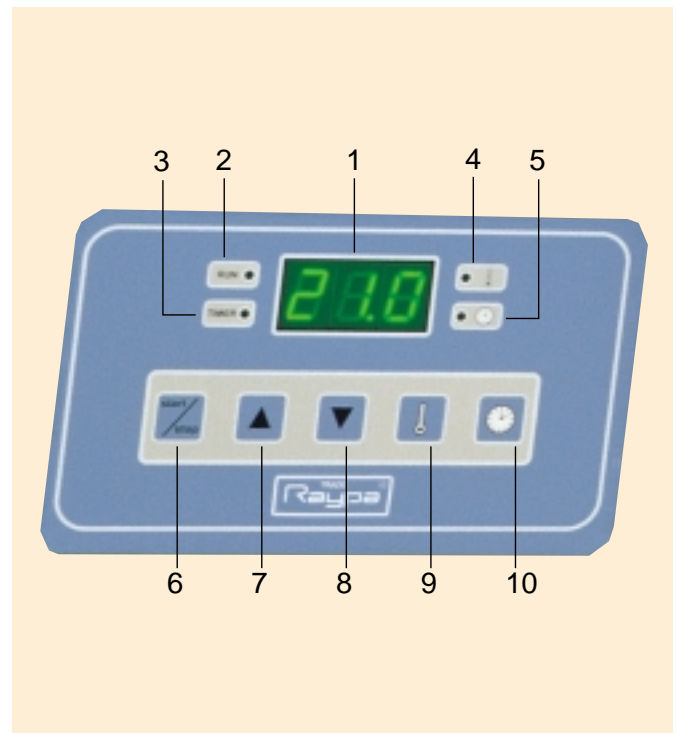
6.- START / STOP KEY: To start or to stop the executing program.

7.- UP KEY: To increase the edition or configuration variable values.
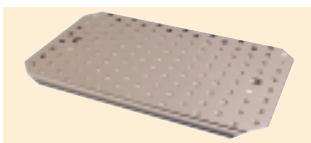
8.- DOWN KEY: To decrease the edition or configuration variable values.

9.- THERMOMETER KEY: To enter in the temperature's order edition.

10.- CLOCK KEY: To enter in the waiting and maintaining time edition.

ACCESSORIES AND SPARE PARTS

TI Cover-resistance Tray

TB Disk-reducers Cover

TT Cover roof-type

GB Feeding-bottles rack in stainless steel

BATH CAPACITY	COVER RESISTANCE TRAY. CODE	RERF.	DISK REDUCERS COVER CODE	REF.	ROOF TYPE COVER CODE	REF.	FEEDING-BOTTLES RACK CODE	REF.
5 Litros	90150202	TI-2	90150702	TB-2	90151102	TT-2	25160109	GB-6
12 Litros	90150204	TI-4	90150702	TB-4	90151102	TT-4	25170110	GB-8
20 Litros	90150206	TI-6	90150702	TB-6	90151102	TT-6	25180111	GB-20
40 Litros	90150512	TI-12	90151012	TB-12	90151412	TT-12	25190112	GB-32

Mercury thermometer support bosshead
Ref. NSTM
Code 90000008

Mercury thermometer
Ref. TM
Code 90000009

CIRCULAR THERMOSTATIC BATHS "BAC/BOC"

FOR ADJUSTABLE TEMPERATURES FROM AMBIENT +5°C
TO 11 0°C IN MODEL BAC AND TO 200°C IN MODEL BOC.
TEMPERATURE STABILITY: ± 1°C IN MODEL BAC AND ± 2°C IN MODEL BOC.

CHARACTERISTICS

Stainless steel inside tank AISI-304.
Stainless steel external case AISI-304.
Frontal control panel, with start up mains switch, hydraulic thermostat temperature regulator with graduated scale in °C, and pilot-light.
Safety thermostat with manual rearm, which disconnects the apparatus in case of over temperature or lack of liquid.,
In accordance with DIN 12.877 class 2 regulation.
Cover resistance tray as standard equipment.

CODE	REF.	CAPACITY LITERS	TEMP °C	INT. MEASURES mm. Ø x HEIGHT	EXT. MEASURES mm. Ø x HEIGHT	POWER W	WEIGHT Kg.
15250001	BAC-1	2,5	110	180 x 130	240 x 170	800	3,5
15260001	BOC-1	2,5	200	180 x 130	240 x 170	800	3,5

ACCESSORIES AND SPARE PARTS

Cover resistance tray for baths BAC/BOC.
Ref. TIC Code 90151500

Circular grid for baths BAC/BOC.
Ref. GRC Code 90151600

Disk reducer cover for baths BAC/BOC.
Ref. TSC
Code 90151700

SAND BATHS "BS"

FOR ADJUSTABLE TEMPERATURES ON SURFACE UP TO 400 °C.

CHARACTERISTICS

Temperature regulation by means of energy impulses regulator.
Un-deformable steel hot plate with surrounding heating elements.
Stainless steel uppercase AISI-304.
Control panel with pilot-lights indicator of connection to the mains and heating functioning.
Removable tray of stainless steel, which permits to use the apparatus as a hot plate.

CODE	REF.	USEFUL MEASURES OF THE BATH mm	EXT. MEASURES mm HEIGHT x WIDTH x DEPTH	POWER W	WEIGHT Kg.
15340038	BS-3920	50 x 390 x 200	190 x 200 x 500	2.500	12
15330030	BS-3030	50 x 300 x 300	190 x 320 x 410	3.000	16

BATTERY THERMOSTATIC BATHS "BBA/BBO"

FOR ADJUSTABLE TEMPERATURES FROM AMBIENT +5°C TO 110°C IN MODELS BBA AND TO 200°C IN MODELS BBO. TEMPERATURE STABILITY: ±1°C IN MODELS BBA AND ±2°C IN MODELS BBO.

CHARACTERISTICS

Stainless steel tanks AISI-310.
Stainless steel external case AISI-304.
Independent frontal control panel for each bath, with mains
start up switch, hydraulic thermostat temperature regulator with
graduated scale in °C, and pilot-light.
Shielded heating element of stainless steel and immersed Into the liquid.
Each unit includes an upper cover of reducing disks of: ø 40, 60, 80 and 105mm.
Height and inclination adjustable rods support to facilitate the subjection of coolers, vessels, etc.

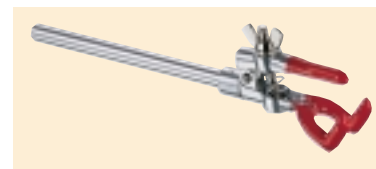| CODE	REF.	SETS N° PLACES	TEMP °C	INT. MEASURES mm. HEIGHT x WIDTH x DEPTH	EXT. MEASURES mm. HEIGHT x WIDTH x DEPTH	POWER W	WEIGHT Kg.
15190002	BBA-2	2	110	120 x 150 x 130	220 x 340 x 240	800	6
15220002	BBO-2	2	200	120 x 150 x 130	220 x 340 x 240	1.400	6
15200004	BBA-4	4	110	120 x 150 x 130	220 x 670 x 240	1.600	10,5
15230034	BBO-4	4	200	120 x 150 x 130	220 x 670 x 240	2.800	10,5
15210006	BBA-6	6	110	120 x 150 x 130	220 x 1.000 x 240	2.400	16
15240006	BBO-6	6	200	120 x 150 x 130	220 x 1.000 x 240	4.200	16

ACCESSORIES

Bosshead with
nickel steel screw ø16mm.
Ref. 2202
Code 24422202

Cover resistance tray
(1Unit per place)
Ref. TI-1
Code 90150101

Three prong clamp
open from 0 to ø80mm.
Ref. 2802
Code 26082802

ULTRASONIC BATHS "UCI"

INTRODUCTION

Our ultrasonic bath are basically composed by:
- Generator producer of electric energy at high frequency, completely transistorized an included in the furniture itself. Working frequency 35 Khz.

- Stainless steel tank, with cleaning liquid contents. The ultrasonic energy transmitted by the liquid, generates in every spot of the surface, even the most inaccessibles (pores,...), a cavity which makes an impact-brushing, pulling up all the dirt.

ADVANTAGES:

Economy: low in consume of electric energy and detergent because it is used very diluted.

Time saving: the ultasonics work at a higher speed than to brush manually. Even more, during the cleaning time, other work can be made.

Maximum quality and easy functioning:
cavities and spaces of difficult access are perfectly cleant in the ultrasonic bath, removing all the dirt.

Materials protection: the surface will never damage.

CONTROL PANEL

1.- Temperature control thermostat.
2.- Heating pilot-light.
3.- Selector to work at complete wave or half wave.
4.- Clock with graduated scale of 0-15 minutes.

APPLICATIONS

- Odontological and Surgical instruments and materials
- Plastic, glass, porcelain, crystal materials
- Machinery tools and instruments
- Jewelry, costume jewelry, cutlery, clockery
- Electronics, printed circuits
- Optics, contact lenses
- Automobile accessories, injectors

CHARACTERISTICS

- Cleaning tray made of stainless steel 18/10.
- External case made of stainless steel AISI-316.
- Heating element with semi-detached elements at the tray in all the models.
- Temperature regulation with hydraulic thermostat.
- Disconnecting clock regulable between 0 and 15 minutes.
- Complete-half wave selector. It allows less energetic consume in some applications.
- Draining tap incorporated.

MODELS

CODE	REF.	CAPACITY LITERS	INT. MEASURES mm. HEIGHT x WIDTH x DEPTH	EXT. MEASURES mm. HEIGHT x WIDTH x DEPTH	POWER W	WEIGHT Kg.
14010002	UCI-50	1,6	100 x 180 x 100	280 x 225 x 145	310	4
14010003	UCI-75	3	110 x 230 x 130	310 x 260 x 160	360	6
14020006	UCI-150	5,7	150 x 300 x 151	310 x 330 x 180	400	10
14030012	UCI-200	12	150 x 300 x 240	310 x 330 x 270	700	14
14040018	UCI-300	18	200 x 327 x 300	310 x 360 x 330	700	20
14050020	UCI-400	20	150 x 505 x 300	310 x 535 x 330	980	23
14060028	UCI-500	28	200 x 500 x 300	310 x 535 x 330	1050	30

ACCESSORIES

Covers and Baskets in Stainless Steel

REFERENCE AND BATH CAPACITY	STAINLESS STEEL WIRE BASKET		STAINLESS STEEL UPPER COVER	
	CODE	REF.	CODE	REF.
UCI-50 1,6 Liters	90140105	CP-50	90140505	TS-50
UCI-150 5,7 Liters	90140215	CP-150	90140615	TS-150
UCI-200 12 Liters	90140320	CP-200	90140720	TS-200
UCI-300 18 Liters	90141130	CP-300	90141330	TS-300
UCI-400 20 Liters	90140440	CP-400	90140840	TS-400
UCI-500 28 Liters	90141250	CP-500	90140840	TS-400

Detergent for ultrasonic baths bottled in 1 liter.
Ref. Bionet-1   Code 90140901

Detergent for ultrasonic baths bottled in 5 liters.
Ref. Bionet-5   Code 90141005

Concentrated detergent for ultrasonic cleaning, phosphate free, recommended for alimentary use objects, medical or farmaceutical. Glass pieces, plastic metal, rubber, etc.