

Water and oil baths with analogue control	pages	86 to 88
Sand baths	page	87
Circulation pump	page	87
Water and oil baths with digital control	pages	88 to 91
Histology paraffin bath	page	92
Bank of water and oil baths	page	92
Precise shaking baths Microprocessor control	page	93 and 94
Viscosimeter bath	page	94
Ultrasonic cleaning baths	page	95 to 97

BATHS; WATER AND OIL, SAND, AND ULTRASONIC Summary table of the different models QUICK OVERVIEW

BATHS WATER / OIL Range	Model	Control	Safety thermostat	1.5 litres	CAF	PACITY / PART N	lo.		Stability	RS-232
+30 110 °C	Aquaterm	Thermostat	No	3000916					±2 °C	No
				1 litre						
+30 110 °C	Baher	Thermostat	No	7000540					±3 °C	No
				4 litres						
+40 80 °C	Termofin	Thermostat	No	3000459 (I	Paraffin)				±1 °C	No
				2.5 litres						
+5 110 °C	Univeba	Thermostat	Yes	3000400					±1 °C	No
				2.5 litres						
+5 200 °C	Univeba	Thermostat	Yes	3000401					±2 °C	No
				11 litres					•	
+5 110 °C	Termobat	Thermostat	Yes	3000587					±2 °C	No
	Tormobat	mormostat	163						<u> </u>	NO
+5 200 °C	Termobat	Thermostat	Yes	11 litres 3000588					±3 °C	No
+3 200 6	IEIIIIUNAL	THETHOSIAL	162						<u>τ</u> η ρ	NU
	-			2 litres	5 litres	12 litres	20 litres	45 litres	. 00	
+5 110 °C	Precisterm	Thermostat		6000137	6000138	6000140	6000141	6000142	±1 °C	No
+5 200 °C	Precisterm Precisedin	Thermostat	Yes	6000385	6000386	6000387	6000388	6000389	±2 °C	No
+5 99.9 °C	Precisdig Precisdia	Digital µ Digital y	Yes	-	6001195	6001196	6001197	6001198	±0.1 °C	No
+5 200 °C +5 80 °C	Precisdig Agibat-20	Digital µ Digital	Yes Yes	-	6001236 -	6001237 -	6001238 6032012	6001239 -	±0.5 °C ±0.5 °C	No No
±J00 U	Ayınat-20	Diyitai	169				0032012	-	±0.3 C	NU
				2x2 litres	4x2 litres	6x2 litres			• •	
+5 200 °C	Precisbat	Thermostat	No	6001462	6001472	6001482	-	-	±2 °C	No
Baths with stirring or	shaking			27 litres						
	Unitronic Reciprocat		Yes	6032011 (Shaker bath)	-	-	-	±0.05 ° C	Yes
0 99.9 °C U	nitronic Reciprocatir	ng C Digital <mark>µ</mark>	Yes	6001173 (S	Shaker bath)	-	-	-	±0.05 °C	Yes

Baths for viscometers +5 ... 100 °C VB-1423 Digital

Sand baths								U	Itrasonic cleani	ng baths with	out heating					
	Model	Control		idht / Depth le) cm		ht / Widht / (usable) c				Part No.		Capacity litres		/ Widh Isables	nt / Dept :) cm	h
+400 °C	Combi-Sand	Electronic	5 18	38	5	30	30			3000512		1	6	14	14	
Part No.			6000	708		600070	9			3000683		2,6	9	23	13	
	g baths with heating	-		ulation.						3001208		4	10	30	14	
Part No.	Capacity litres	Height / Wid (usable)	•		Pov	ver heater W				3000513		6	15	30	14	
3000865	5	15 24	14			75				3000837		6,5	14	24	Ø	
3000866	6	15 30	15			75				3000617		9	15	50	14	
3000867	10	15 30	24			225				3000514		9	15	30	23	
3000868	22	15 50	30			375				3000515	i	20	15	50	30	
3000869	40	20 50	40			1000										
												1				T

3001423

±0.05 °C

No

Yes

			S	ilicon oi	il								!	I	
BATH TEMPERATURE					thylene gl	ycol 50%									
LIQUIDS GUIDE.						Water									
								Silicon o	il 50 cps						
	°C	-40	-20	0	20	40	6	0 8	0 1	00 1	20	140	160	180	200

RS232



Water bath "Aquaterm"

ADJUSTABLE TEMPERATURE FROM 30 °C TO 110 °C. STABILITY ±2 °C.

Economic option

FEATURES

AISI 304 stainless steel tank with epoxy coated base. Heater element embedded in high temperature, corrosive resistant INCOLOY.

CONTROL PANEL

Temperature regulator thermostat switch, synchronised with an indicator lamp.

MODEL

Part No.	Capacity	Ø	Height	Ø Height	Power	Weight
	litres	(usable)	cm	(exterior) cm	W	Kg
3000916	1.5	20	11.5	22 20.5	640	1.3

Boiling bath "Baher"

ADJUSTABLE TEMPERATURE FROM 30 °C TO 110 °C. STABILITY ±3 °C.

FEATURES

CLEUP

Rapid boiling (6-7 minutes).

AISI 304 stainless steel tank and epoxy coated base.

Heater element embedded in INCOLOY stainless steel.

CONTROL PANEL

Temperature regulator thermostat switch, synchronised with an indicator lamp.

Part No.	Capacity	Ø	Height	Ø Height	Power	Weight
	litres	(usable)	cm	(exterior) cm	W	Kg
7000540	1	14	11	15 19	640	1

ACCESSORIES MADE OF STAINLESS STEEL

Lid with bakelite handle. Part No. **7000572** Rack 24 haemolysis tubes up to 13 mm diameter. Part No. 7004002

Rack for 24 tubes up to 18 mm diameter. Part No. 7000541 Perforated shelf. Part No. 6001194



Water and oil baths "Univeba"

WATER BATH: ADJUSTABLE TEMPERATURE FROM AMBIENT +5 °C TO 110 °C STABILITY ±2 °C. OIL BATH: ADJUSTABLE TEMPERATURE FROM AMBIENT +5 °C TO 200 °C STABILITY ±3 °C.

SAFETY:

CONFORMS TO THE DIN STANDARD 12877 BY INCORPORATING A MANUALLY RESET OVER TEMPERATURE SAFETY CUT-OUT.

APPLICATIONS

To be used with a rotary evaporator or as a stand alone Bains Marie bath.

FEATURES

Tank interior and exterior case made of AISI 304 stainless steel. The heater element is embedded in a protective INCOLOY stainless steel shield.

CONTROL PANEL

Illuminated main power switch indicator lamp. Hydraulic temperature thermostat regulator synchronised with an indicator lamp. Safety thermostat cut out indicator lamp.



MODELS

Part No.	Maximum Temperature °C	Capacity litres	Ø (usable)	Height cm	Height / Widht / Depth (exterior) cm	Power W	Weight Kg
3000400	110	2.5	18	13	19 22 27	390	4
3000401	200	2.5	18	13	19 22 27	640	4

ACCESSORIES MADE OF STAINLESS STEEL

- 1- Heating element cover shelf.
- Part No. 6000033
- Reduction ring cover lid of 110, 80, 60 and 37 mm Ø. With a thermometer location hole in the lid. Part No. 7004001
- 3- Tube rack for 24 haemolysis tubes up to 13 mm Ø. Part No. 7004002
- 4- Tube support rack for 24 tubes up to 18 mm Ø. Part No. 7000541

5- Thermometer. Part No. 1000120 up to 120 °C.

. 1000873 up to 220 °C.



ACCESSORIES IN AISI 304. STAINLESS STEELPerforated shelf.Flat Lid with 5 concentric ring set.Part No. 6000998Part No. 3000917

Water and oil baths "Termobat"

ADJUSTABLE TEMPERATURE FROM AMBIENT+5 °C TO 110 °C. STABILITY ±2 °C TO 200 °C. STABILITY ±3 °C.

SAFETY:

CONFORMS TO THE DIN STANDARD 12877 BY INCORPORATING A MANUALLY RESET OVER TEMPERATURE SAFETY CUT-OUT.

Large capacity

APPLICATIONS

To be used with a rotary evaporator for flasks up to 10 litres or as a stand alone bains marie. **FEATURES**

Tank interior made of AISI 304 stainless steel, with an epoxy coated base.

The heater element is embedded in a protective INCO-LOY stainless steel shield.

CONTROL PANEL

Main power switch, with luminous indicator lamp. A hydraulic temperature thermostat regulator is

synchronised with an indicator lamp.

MODELS						
Part No.	Maximum Temperature °C	Capacity litres	Ø Height (usable) cm	Ø Height (exterior) cm	Power W	Weight Kg
3000587	110	11	29 17	29 25	2100	5.5
3000588	200	11	29 17	29 25	2100	5.5





Sand baths "Combiplac-Sand"

ADJUSTABLE PLATE TEMPERATURE UP TO 400 °C.

FEATURES

Electronic energy heater controller. The steel hotplate surface has an evenly distributed heater element providing homogeneous heat distribution.

The non warping AISI 304 stainless steel sand bath can be easily removed for cleaning. The Hotplate can be used independently without the sand bath. The hotplate casing is made of AISI 304 stainless steel.

CONTROL PANEL

Mains power switch with luminous "On" indicator lamp. Electronic heater power control between 0 to 100 %.

Heater operation indicator lamp.

The back of the unit is fitted for an electronic thermometer "Sensotherm" or digital electronic controller "Electemp-TFT" described under regulators and controllers (see page 293).

MODELS

Part No.	Height / Widht. (usable) d	•	/ Widht xterior)	: / Depth cm	Power W	Weight Kg	
6000708	5 18	38	18	22	41	2300	13
6000709	5 30	30	21	32	35	2800	15



Circulation pump "Ciragit"

FEATURES

Metal construction, with all components in contact with liquid made of AISI 304 stainless steel.

The unit can be adjusted to fit most tanks or baths, can be submerged and held in position by an adjustable height support clamp.

Pump circulation with adjustable flow rates allowing external circulation of liquids.

ON/ OFF illuminated power switch with light when on. Interchangeable flow output connector:

- position A: Internal tank circulation.

position B: External circulation.

SPECIFICATIONS

OUTPUT water: 20 °C , 12 l/ min.- 150 mbar OUTPUT silicon oil: 50 °C 4 I/min.- 130 mbar Dimensions: 9.5 x 12.5 x 23 cm Power: 30 W Weight: 2.5 Kg. Part No. 3000402







Water and oil baths "Precisterm"

ADJUSTABLE TEMPERATURE RANGE FROM AMBIENT +5 °C UP TO 110 °C, STABILITY ±1 °C. Adjustable temperature range from ambient +5 °C up to 200 °C, stability ±2 °C.

Extensive range of sizes and accessories

Stainless steel interior and external case



FEATURES

Capacity; from 2 litres up to 45 litres.

Double skinned tank of AISI 304 stainless steel with an exterior case of AISI 304 stainless steel. Heating elements embedded in INCOLOY heat and corrosion resistant stainless steel.

CONTROL PANEL

Illuminated mains power switch.

Hydraulic thermostat temperature control, synchronised with the "ON" indicator lamp. Safety thermostat cut out indicator lamp.

MODELS Maximum Capacity Height / Widht / Fondo Height / Widht / Depth Weight Part No. Power Temperature °C litres (usable) cm (exterior) cm W Kg 20 27 3.5 3.5 6000142* 6000389* All water baths are supplied with heating elements protection shelf. * With built in drain tap.

SAFETY:

DIN 12877 STANDARD. THE UNIT WILL CUT OUT IF THERE IS INSUFFICIENT LIQUID OR IF THE BATH TEMPERATURE EXCEEDS THE SET TEMPERATURE. A MANUAL RESET ADJUSTABLE TEMPERATURE SAFETY THERMOSTAT IS PLACED AT THE BACK OF THE UNIT.



ACCESSORIES. See page 91.

Water baths "Precisdig" with or without anti-evaporation folding lid

DIGITAL CONTROL AND DISPLAY OF TEMPERATURE AND TIME. Adjustable temperature range from Ambient+5 °C to 99.9 °C, stability ±0.1 °C, homogeneity ±1 °C. Adjustable temperature range from Ambient+5 °C to 200 °C, stability±0.5 °C, homogeneity ±2.5 °C.

SAFETY: DIN 12877 STANDARD. THE UNIT WILL CUT OUT IF THERE IS INSUFFICIENT LIQUID OR IF THE BATH TEMPERATURE EXCEEDS THE SET TEMPERATURE. A MANUAL RESET ADJUSTABLE TEMPERATURE SAFETY THERMOSTAT IS PLACED AT THE BACK OF THE UNIT.

Programmable temperature and time. Interior and exterior made from Stainless steel



MUDEL9										
Part No.	Temperature maximum °C	Capacity litres		/ Widh usable)	nt / Depth) cm		/ Widh xterior	t / Depth) cm	Power W	Weight Kg
6001195	99,9	5	15	30	14	20	37	27	600	6
6001236	200	5	15	30	14	20	37	27	1100	6
6001196	99,9	12	15	30	30	20	40	42	1100	8
6001237	200	12	15	30	30	20	40	42	1400	8
6001197	99,9	20	15	48	30	20	58	42	1500	10
6001238	200	20	15	48	30	20	58	42	2100	10
6001198	99,9	45	15	62	50	20	69	62	2400	18
6001239	200	45	15	62	50	20	69	62	3800	18

All baths with heating shelf and drainage. Faucet included.

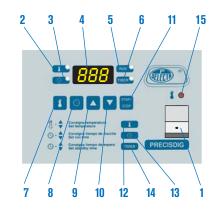
MODELS WITH MAKROLON ® FOLDING LID

Part No.	Temperature maximum °C	Capacity litres	•	Height / Widht / Depth (usable) cm		•		t / Depth id) cm	Power W	Weight Kg
6001186	99,9	12	15	30	30	40	40	42	1100	8
6001187	99,9	20	15	48	30	40	58	42	1500	10
6001188	99,9	45	15	62	50	40	69	62	2400	18

All baths with heating shelf and drainage. Faucet included.

FEATURES

Double skinned tank of AISI 304 stainless steel with an external case of AISI 304 stainless steel. Heating elements embedded in INCOLOY heat and corrosion resistant stainless steel. Comes complete with drain tap.



CONTROL PANEL

- 1. Illuminated mains switch.
- 2. Temperature mode indicator.
- **3.** Time mode indicator.
- 4. Temperature and time indicator.
- **5.** Start time indicator.
- 6. Waiting / delay time indicator.
- 7. Temperature set button.
- 8. Time set button.
- 9. Increase, push button.
- 10. Decrease, push button.
- 11. Stop and start time.
- 12. Read Temperature.

13. Set start up time: from 1 min. to 9 hours 59 min, or up to 99.9 hours once the set temperature has been reached.

- 14. Set waiting / delay time: from 1 to 24 hours.
- **15.** Safety thermostat indicator lamp.

MAKROLON [®] FOLDING LID PROPERTIES

Due to its transparency, you can visualize the bath's inside. It improves temperature stability, and restricts evaporation and pollution

ACCESSORIES. See page 91.

Water bath with inner stirring "Agibat-20" with digital control and display of temperature and time

ADJUSTABLE TEMPERATURE RANGE FROM AMBIENT +5°C UP TO 80°C. STABILITY ±0.1°C. SET TEMPERATURE ACCURACY ±1 °C, WORKING TEMPERATURE PRECISION 0.1 °C.

P.Selecta original model. More space. More accuracy. Economical.



FEATURES

CI CI ID

Double skinned tank, inner case made of AISI 304 stainless steel. External case of AISI 304 steel. Submerged heating elements in INCOLOY special alloy. It comes complete with drain tap.

STIRRING SYSTEM

These baths have an aspiration and outflow internal circulation pump which allow a constant flow stirring. Flow: 8 litres per minute.





All baths with heating shelf and drainage. Faucet included.

ACCESSORIES. See page 91.



DIN 12877 STANDARD. THE UNIT WILL CUT OUT IF THERE IS INSUFFICIENT LIQUID OR IF THE BATH TEMPE-RATURE EXCEEDS THE SET TEMPERATURE. A MANUAL RESET ADJUSTABLE TEMPERATURE SAFETY THER-MOSTAT IS PLACED AT THE BACK OF THE UNIT.





CONTROL PANEL

See page 89. Three positions switch: only heater, heater + stirring and start/stop.

MODEL WITH MAKROLON ® FOLDING LID

Due to its transparency, you can visualize the bath's inside. It improves temperature stability, and restricts evaporation and pollution.



ACCESSORIES FOR"PRECISTERM", "PRECIDSDIG" AND "AGIBAT-20"

Suitable for all "PRECISTERM", "PECISDIG" and "AGIBAT-20" models.





Removable constant liquid level. Part No. 6001400 Note: Not compatible with gale and Makrolon® lid.

location position hole.

Makrolon® folding lid. 3. Support frame for tube racks.

 Gable lid with thermometer location position hole.
 Flat lid with concentric reduction rings of 105, 80, 60 and 37 mm Ø. With thermometer

Note: The perforated lid avoids the lock of the

4. Tube Racks various tube diameters available.

Fixed, constant liquid level. Part No. 6000123

Únicamente para baños modelo "PRECISTERM"



Thermometer support with locking screw (up to 40 mm). Part No. 6000896

Thermometer. Part No. 1000120 up to 120 °C. 1000872 up to 120 °C, extra long, suitable for Gable lid. 1000873 up to 200 °C, extra long, suitable for Gable lid.



	Capacity litres	Model code AGIBAT-20	Model code PRECISTERM	Model code PRECISDIG	1 Gable lid	2 Lid with concentric reduction rings	3 Support frame
	2		6000137 - 6000385		-	6003231 1 place	-
	5		6000138 - 6000386	- 6001195*- 6001236*	6000710	6003232 2 places	1001199
	12		6000140 - 6000387	- 6001196*- 6001237*	6000711	6003234 4 places	1001200
	20	6032012*6032013*	6000141 - 6000388	8 - 6001197*- 6001238*	6000712*	6003236 6 places	1001201
	45		6000142*- 6000389)*- 6001198*- 6001239*	6000714	6001603 12 places	1001205
÷.,							

* Comes complete with drain tap. * For all baths except those carrying Makrolon[®] lid.

Capacity litres	for PRECISDIG baths with Makrolon® lid	2 Lid with concentric reduction rings	3 Support frame
12	6001186	6003234 4 places	1001200
20	6001187	6003236 6 places	1001201
45	6001188	6001603 12 places	1001205

	4 Tube racks (requires support frame)											
Part No.	Tube Ø mm	Number of tubes per rack	Rack Dimensions Height / Widht / Depth (usable) cm	Number of racks by bath capacity litres 5 12 20 45								
1001202	13	36	8 8.2 23.6	1 3 5 10								
1001203	16	24	8 8.2 23.6	1 3 5 10								
1001204	20	24	8 8.2 23.6	1 3 5 10								

Stabilising rings "circum" prevents flasks from floating when placed in a water bath. Suitable for all types of flasks,erlenmeyers, etc. See page. 177.





Histology paraffin section mounting bath "Termofin"

ADJUSTABLE TEMPERATURE FROM 40 °C TO 80 °C. Stability ±1 °C.

APPLICATIONS

Suitable for the fusion and preservation of paraffin wax in a liquid state that enables the user to see the floated sections.

FEATURES

Aluminium inner tank and lid with a P.T.F.E. matt black coating. Thermometer location hole in the lid to read temperature.

CONTROL PANEL

Mains power ON/OFF switch. Hydraulic temperature thermostat regulator synchronised with an indicator lamp.

MODEL

Part No.	Capacity litres	Ø (usable)	Height cm	Ø Height (exterior) cm	Power W	Weight Kg
3000459	4	25	10	34 14	430	2.3

Comes complete with lid and thermometer.



ACCESSORY Thermometer su

Thermometer support (can only be used without the lid). Part No. 6004591 NOTE: Wax dispenser (see page 217).



Bank of oil and water baths "Precisbat"

ADJUSTABLE TEMPERATURES FROM AMBIENT +5 °C UP TO 200 °C, STABILITY \pm 2 °C. Independent temperature control for each position.

FEATURES

Inner vessel made of AISI 304 stainless steel with the external case made of AISI 304 stainless steel.

The heater element is embedded in stainless steel INCO-LOY alloy, that is corrosion and heat resistant.

Each position has a lid with concentric reduction rings of; 105, 80, 60 and 40 mm in \emptyset .

An adjustable support frame is mounted at the back of the unit to facilitate the mounting and support of flasks, condensers and other apparatus, etc. Capacity: 2 litres per position.

CONTROL PANEL

Independent control for each position.

Mains ON/OFF with luminous "ON" indicator lamp for each position.

Hydraulic thermostat temperature control synchronised with the "ON" indicator lamp.



MODELS

Part No.	Temperature maximum °C	Number of places	Height / Widht / Depth (usable each position) cm	Height / Widht / Depth (exterior) cm	Power W	Weight Kg
6001462	200	2	12 14 12	19 35 29	1300	5.5
6001472	200	4	12 14 12	19 67 29	2560	10
6001482	200	6	12 14 12	19 100 29	3800	15

ACCESSORIES

....



Perforated shelf (One per tank) made of AISI 304 stainless steel. Part No. 6000011

Clamp for supporting flasks and condensers. Part No. 7000403

Thermometer up to 220 °C. Part No.1000873



Bosshead for supporting clamps. Part No. 1000069

Precise reciprocal shaking baths controled by microprocessor "Unitronic Reciprocating Shaking Bath" and with refrigeration "Unitronic Reciprocating Shaking Bath C"

← →

UNITRONIC RECIPROCATING SHAKING BATH LINEAR: TEMPERATURE RANGE FROM AMBIENT +5 °C TO 99.9 °C. Unitronic reciprocating shaking bath c linear: temperature range from 0 °C to 99.9 °C. Stability ±0.05 °C homogeneity ±0.1 °C, set temp. Error ±1 °C, resolution 0.1 °C.

SAFETY:

DIN 12877 STANDARD. THE UNIT WILL CUT OUT IF THERE IS INSUFFICIENT LIQUID OR IF THE BATH TEMPERATURE EXCEEDS THE SET TEMPERA-Ture. A manual reset adjustable temperature safety thermostat is placed at the back of the unit.

Reciprocal linear agitation, controllable from 10 to 100 oscillations per minute

Controllable time from 1 minute to 99 hours 59 minutes

MICROPROCESSOR CONTROL WITH DIGITAL DISPLAY AND PUSH BUTTON TEMPERATURE, SPEED AND TIME SELECTION. RS-232 INTERFACE FOR PRINTER OR COMPUTER OUTPUT.



APPLICATIONS

Cell culture and biological samples, yeasts and general applications that require stable and reproducible temperatures.

COMMON FEATURES

Linear motion sliding tray from 10 to 100 oscillations per minute, with a variable stroke length of 32 or 46 mm.

Digital display and selection of temperature, oscillations and time.

Temperature sensor: thermo-resistant Pt100. Rack frame support made of AISI 304 stainless steel incorporated in the tank that can accommodate a selection of flasks and racks.

Internal tank made of AISI 304 stainless steel with an external case of AISI 304 stainless steel.

Built in drain tap.

Ventilated hermetically sealed compressor for refrigeration in the "Unitronic - C".

CONTROL PANEL

1. Mains power switch.

2. LCD screen that shows:

- Temperature, oscillations per minute and time.
- Alarms: set temperature and probe failure.
 Configuration: °C or °F, temperature calibration and set working temperature limits.
- **3.** Push button Start/ Stop.
- 4. Push button to decrease value.
- 5. Push button to increase value.
- 6. Push button for parameter selection: temperature, strokes per min. and time.
- 7. Push button for configuration.



"Unitronic Reciprocating Shaking Bath"



"Unitronic Reciprocating Shaking Bath C" Refrigerated Bath



MODELS	Part No.	Capacity litres	Height / Width / Depth (bath) cm	Height / Width / Depth (support carriage) cm	Height / Width / Depth (exterior) cm	Power W	Weight Kg
UNITRONIC RECIPROCATING	6032011	27	18 48 29	17 35 24	30 74 40.5	1500	25
UNITRONIC RECIPROCATING-C	6001173	27	18 48 29	17 35 24	30 74 63.5	1750	43

ACCESSORIES FOR UNITRONIC RECIPROCATING SERIES



Width / Depth

(platform) cm

23.5

34.5

Support Platform for Erlenmeyer flasks.

Made of AISI 304 stainless steel with location holes for various configurations of Erlenmeyer flask clip supports. Sizes: 50, 100, 250, 500 and 1000 ml.

50 ml	No. of flask 100 ml	ks and capa 250 ml	acity per pla 500 ml	atform 1000 ml	Weight Kg
20	12	6	6	3	1

Racks: made of AISI 304 stainless steel. Capacity: 2 racks.

Part No.	Tube Ø mm	No tubes per rack	Height / \ (ra	Width / rack) c 11 11 11		
1001233	13	70	8.5	11	34	
1001234	16	48	8.5	11	34	
1001235	20	48	8.5	11	34	



Adapter clips for Erlenmeyer flasks. Made of tempered stainless steel. Part No.

1001003	Adapter for	50 ml.
1000978	Adapter for	100 ml
1000979	Adapter for	250 ml.
1000980	Adapter for	500 ml.
1000981	Adapter for	1000 ml.



Gable Lid: made of AISI 304 stainless steel. Part No. 6000713



Part No.

3001004

Precision Viscometer Bath "VB-1423"

DIGITAL TEMPERATURE CONTROL FROM AMBIENT +5 °C TO 100 °C. STABILITY ±0.05 °C. HOMOGENEITY ±0.05 °C. SET ERROR VALUE ±0.09 °C. **RESOLUTION 0.1 °C.**

SAFETY:

SAFETY THERMOSTAT CONFORMS TO THE DIN 12876. MANUAL RESET.

FEATURES

Temperature sensor; Pt100 thermo-resistor, stainless steel AISI 304 lid with three viscometer locations ports, three independent lids and an additional location port for the control thermometer. The main body of the bath is made of a 20 litre borosilicate glass tank. A white plate is located at the back to help optimize and read the viscometers.

CONTROL PANEL

- 1. Main power switch with luminous ON.
- 2. Temperature regulator:
 - 3. Real time temperature display.
 - 4. Push button increase value.
 - 5. Push button decrease value.
 - 6. Push button configure operation.
- 7. Safety thermostat safety lamp.

MODEL

mobili							
Part No.	Temperature control range °C	Capacity litres	Height / Ø (tank) cm	Height / Ø (total) cm	Power W	Weight Kg	
3001423	amb.+5 up to 100	20	32 30	47 30	1000	8	

3

2

ACCESSORIES

Universal viscometer support. made from PTFE with stainless steel AISI 304 support. Suitable for the following viscometers : - Cannon-Fenske for transparent liquids.

- Cannon-Fenske for opaque liquids. - Ubbelohde. - Ostwald.

- BS U Tube.
- -Cannon-Manning semi-micro.
- Ubbelohde type BS/IP/SL, BS/IP/SL(S) & type BS/IP/MSL. - DIN Ubbelohde.

Part No. 1001453

Precise constant temperature Kinematic Viscometer Bath

Manufactured for the calibration of viscometers, conforms to UNE 400313. ISO3105. ASTM 445 & 2515 specifications



Calibration Chronometers (see page 295).

Thermometers for viscometer baths.

Part No. 1001454 Thermometer ASTM 120C at 38.6 to 41.4 °C divisions of 0.05 °C. 1001455 Thermometer ASTM 121C at 98.6 to 101.4 °C divisions of 0.05 °C. 1001456 Thermometer ASTM 91C at 20.0 to 50.0 °C divisions of 0.1 °C. 1001457 Thermometer ASTM 92C at 40.0 to 70.0 °C divisions of 0.1 °C. 1001458 Thermometer ASTM 93C at 60.0 to 90.0 °C divisions of 0.1 °C. 1001459 Thermometer ASTM 94C at 80.0 to 110.0 °C divisions of 0.1 °C.

Ultrasonic Cleaning Baths "Ultrasons", "Ultrasons UB-1488", "Ultrasons-H", "Ultrasons-HD"and "Ultrasons-P"

FUNDAMENTAL THEORY

The principal of ultrasonic cleaning consists of the use of high frequency sound waves (40 kHz), produced by a generator through a transducer, which propagates them mechanically inside the tank, this produces a cavitation effect which leads to the formation of millions of low pressure microscopical bubbles which carry out molecular cleaning, eliminating impurities, polluting agents and dirt from the parts or material which must be cleaned.

Complex parts can be cleaned without disassembly since the cavitation penetrates wherever the cleaning solution is in contact with the surface.

The generator of these baths is completely transistorised and incorporated, working through the "Sweeping frequency" system, which ensures uniform cavitation at all points of the resonance tank.

COMMON FEATURES

Double bodied tank, made entirely of stainless steel.

Emptying drain, anti-parasite filter, adjustable timer and heating, model dependent.

APPLICATIONS

Laboratories in general: acceleration of chemical reactions, degassing of liquids, cell disruption, cleaning of sieves, pipettes, micro-pipettes, cuvettes, trays, viscometers, decomposition of radioactive substances, etc.

Dentistry: Cleaning of prosthesis, instruments, etc.

Optics: Cleaning of frames, lenses, and contact lenses, etc.

SUMMARY TABLE

Medicine: Cleaning of instruments in general, forceps, probes, scalpels etc. Jewellery and Watch making: Cleaning of all kind of watches and jewels. Industry: Cleaning of all electronic components, printed circuit boards, semiconductors, petrol injector sieves and filters, etc.



Ultrasonic bath, Automatic Lift and Dry "Ultrasons-UB-1488"

Selecta original model. Quick dry, without having to control the instrument



MODEL										
Part No.	Capacity litres		: / Widtl sable) c	n / Depth :m		t / Widtl xterior)	n / Depth cm	Generator power W	Power total W	Weight Kg
3001488	6	15	30	14	30	40	34	150	2150	12

Comes complete with basket.

FEATURES

Bath with automatic basket elevator that operates at the end of the time cleaning cycle.

Hot air drying by two-turbine air fans that switch on at the start of the elevation and finalise the complete operation. Waste drain at the front of the instrument. Removable support basket.



CONTROL PANEL

- 1. Cleaning time control: 0-15 minutes.
- 2. Push button drying time: 0-15 minutes.
- 3. Push button increase value.
- 4. Push button reduce value.
- 5. Push button stop / start.
- 6. Digital timer display.





CONTROL PANEL

Timer switch for 0 -15 minutes or continuous operation. Indicator lamp when the unit is in operation.

MODELS

WODELO												
Part No.		Capacity litres		/ Widtl ısable)	h / Depth cm	5	nt / Widtl (exterior)	n / Depth cm	Generator power W	Timer 0-15'	Waste drain	Weight Kg
3000512	1	1	6	14	14	20	20	18	50	Yes	No	2,5
3000683	2	2,6	9	23	13	22	29	19	100	Yes	No	4
3001208	8	4	10	30	14	24	33	18	100	Yes	Yes	7
3000513	3	6	15	30	14	30	36	20	150	Yes	Yes	9,5
3000837	5	6,5	14	24	Ø	30	27,5	Ø	150	Yes	No	8
3000617	4	9	15	50	14	30	56	20	200	Yes	Yes	10,7
3000514	6	9	15	30	23	30	36	30	200	Yes	Yes	13
3000515	7	20	15	50	30	30	56	36	400	Yes	Yes	22

O-SEL

COMPLEMENT

Detergent "BIO-SEL" Bio-degradable, phosphate free. Excellent cleaning power just by mixing only 20ml per litre of water. BIO-SEL, in a 2% solution has a 9.7 pH level. Low toxicity. This detergent disperses, emulsifies, segregates, dissolves, suspends and breaks down dirtiness.

00025 Capacity 1 litre. 00026 Capacity 4 litres. 00852 Box of 12 x 1 litre bottles. 00853 Box of 4 x 4 litres bottles.

Baskets	Lids are not compatible with baskets.	ACCESSO Baskets and Made of AISI	Lids.	s steel					
		Cleaner model Part No.	BASKET Part No.	Heigh	BASKE t / Widt	TS h / Depth	LID WITH CONCENTRI (cm) Part No.	IC REDUCTION RING Number of positions	LID WITH HANDLE Part No.
		3000512	6005123	5	11	11	6005122	1	6005121
		3000683	6006833	7	20	12	6006832	1	6006831
		3001208	6001209	7	26	13	-	-	6005131
		3000513	6005133	12	26	13	6005132	2	6005131
Lid with concentric reduct	ion ring	3000837	6008373	13	23	Ø	-	-	6008371
		3000617	6005144	12	46	12	6005134	3	6005124
		3000514	6005143	13	29	23	6005142	2	6005141
		3000515	6005153	13	49	29	6003236	6	6005151

COMECTAN Ultrasonic Bath "Ultrasons-Digit" **5 CYCLES ELECTRONIC DIGITAL TIME CONTROL CAPACITY 1.4 LITRES**

FEATURES

Internal tank made from stainless steel, with minimum and maximum level indicator. External case, basket and lid made from PVC. Maximum cleaning power, frequency 42 KHz

CONTROL PANEL

Pushbutton start/ stop Timer 5 programs selection in seconds: 90" - 180" - 280" - 380" and 480". Wide application range from jewellery, watches, optical components. Dentistry and general laboratory use.

MODEL Part No.	Consoitu		Height (Width (Denth	-	-
Part NO.	Capacity litres	Height / Width / Depth (usable) cm	Height / Width / Depth (exterior) cm	Power W	Weight Kg
5900650	1.4	6 13 16	15 17 22	70	1.75

Comes complete with basket and see through transparent PVC lid.





Heating cleaning bath "Ultrasons-HD"

DIGITAL ELECTRONIC REGULATION OF TEMPERATURE AND TIME FOR TEMPERATURES FROM AMBIENT +5°C TILL 80°C

Optimum cleaning efficiency



It comes complete with a universal basket, lid with handle and drain device. Bath Part. No. 3000865 (5 Litres capacity) is also supplied with basket for small items.

Heated Ultrasonic baths "Ultrasons-H"

AJUSTABLE TEMPERATURE FROM AMBIENT +5 °C HASTA 75 °C.

APPLICATIONS

CLILIP

For long pieces cleaning (especially for pipettes) .



Note: For cleaning long objects whose length may exceed that of the tank, such as tubes, pipettes, etc, it has been proved that they are submitted to the same cavitation effect by introducing them in a test tube filled with liquid and placed vertically in the cleaner.



FEATURES

Double body container, completely made of stainless steel and with waste drain device.

CONTROL PANEL

Illuminated main switch. Start-stop push button. Increase/decrease time push button in minutes (from O' to 6O'). Increase/decrease temperature push button in °C.

MODEL

Part No.	Capacity litres		'Width able)		•	t/Wid terior)	th/Dept cm	h Power Generator W	Power Heater W	Weight Kg
3000865	i 5	15	24	14	27	31	18	120	75	3,8
3000866	6	15	30	15	27	35	18	180	75	5,8
3000867	10	15	30	24	35	38	28	240	225	8,2
3000868	22	15	50	30	27	58	35	600	375	15
3000869	40	20	50	40	40	65	50	900	1000	25

It comes complete with a universal basket, small basket for small items, lid with handle and drain device.

FEATURES

Evenly distributed heating element, adhered to the tank for maximum heat transfer. **CONTROL PANEL**

Adjustable thermostat heater.

Heater "on" indicator lamp. Timer switch from 0-15 minutes or continuous operation. In operation on indicator lamp.

MODEL

Part No.	Capacity litres		Width able)			t/Wid terior)		th Power Generator W	Power Heater W	Weight Kg
3000839	9	15	50	14	30	56	20	200	800	11

ACCESSORIES

Basket, Height 12/Width 46/Depth12 cm. Part No 6005144 3 Lid with concentric reduction ring. Part No 6005134 Lid with handle. Part No 6005124 See page: 91

🔿 Ultrasonic pipette cleaner "Ultrasons-P"

FEATURES

CLEUT

Designed for automatically cleaning and rinsing pipettes, mounted inside a basket, pipettes are ultrasonically cleaned and rinsed.

Minimum rinsing time by using a water siphon action through the inside of the pipettes.

Metallic areas in contact with liquid are made of AISI 316 stainless steel.

The outer casing is made of AISI 304 stainless steel.

Cylindrical vessel in transparent acrylic, with lid to avoid splashing.

Connector(1") water inlet and siphon-drain tube.

Basket with handle in polypropylene for the easy handling and carrying of the pipettes.

CONTROL PANEL

Timer from 0-15 minutes or continuous operation.

Indicator lamp showing when the bath is in operation.

R/A	n	n	E		
IVI	U	U	Е	L	

Part No.	Capacity	Ø / Height	Height / Widht/ Depth	Power	Weight
	litres	(usable) cm	(exterior) cm	W	Kg
3000910	10	15 64	84 34 40	250	15