



2017

THERMOSTATIC BATHS

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THERMOSTATIC BATHS

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REFRIGERATED BATHS

Circulation-cooling baths



SBF

-  Automatic shutdown of the compressor over 37.0°C. Safety system to alert when there is no liquid inside the tank
-  Digital timer from 0 to 99:59 and infinite Countdown begins when the instrument reaches the set temperature
-  Easy access to keep the instrument clean and effective at all times
-  Eco Friendly function, the cooling compressor starts working only when necessary
-  Tanks are made of one piece of 18/8 stainless steel sheets
-  The temperature is checked by a PID microprocessor and PT100 probe, Preset for external control of the temperature. Preset for simultaneous stirring in the tank and external circulation

Technical data		SBF 7	SBF 15
Capacity	lt	7	15
Drain tap Digital		no	no
Timer	hh:mm	∞ o 99:59	∞ o 99:59
Working temperature	°C	from -30 a +80	from -30 a +80
Precision in the tank	°C	±0,2	±0,2
Heating capacity	W	1300	1300
Cooling capacity	°C	-25 0 25	-25 0 25
	W	210 170 260	520 600 850
Cooling solution		R134a	R134a
Pump type		Pressure	Pressure
Pump Flow rate	lt/min	4	4
Prevalence	mt	2,5	2,5
Bottom dimensions LxWxH	mm	100x250x200	250x290x200
Usable tank size LxWxH	mm	100x150x200	250x190x200
Outer dimensions LxWxH	mm	300x440x650	440x475x650
Power supply	V/Hz	220-240/50-60	220-240/50-60
Weight	kg	31	41
Code		612.1050.07	612.1050.15

V/Hz 220/240-50/60

SAFETY CLASS 2

PROTECTION CLASS IP 30

ACCESSORIES

Wheels

Code 612.1050.31

External circulation hose 1.5 m





Code 612.1050.33

Liquid for cryostat -30+80°C

Code 612.1050.35

REFRIGERATED BATHS

With cooling by Peltier technology

-  Excellent precision and uniformity, guaranteed by the internal retractable circulation pump. The temperature is set and checked by a digital thermostat with PID controller and PT100 probe
-  Digital timer for effective management of test duration
-  The tanks are made of 18/8 stainless steel sheets pressed in a single piece
-  The instrument is fitted with an adjustable safety thermostat



WB-MC

Technical data		WB MC
Capacity	lt	15
Timer	hh:mm	∞ o 99:59
Adjustable temperature	°C	from 10 to 50
Operating temperature	°C	from 15 to 45
Precision in the tank	°C	±0.5
Stability	°C	±0.5
Heating capacity	W	350
Cooling capacity	W	180
Tank dimensions LxWxH	mm	250x290x200
Dimensions with shelf LxWxH	mm	255x275x155
External dimensions LxWxH	mm	450x590x395
Weight	kg	29,5
Code		612.1052.15

V/HZ 220/240-50/60

SAFETY CLASS 3.1

PROTECTION CLASS IP 30

ACCESSORIES



Polycarbonate gable lid
Code **610.1007.32**

Modified Water Bath to reach 80°C
(to be specified upon ordering)
Code **612.1052.31**

WATER BATHS

Thermostatic baths with Dubnoff type shaking action



WB-MF



Ideal for the control of samples, incubation, Cell Cultivation, Food and Beverage Testing



The temperature is set and checked by a digital thermostat with PID controller and PT100 probe



Metal structure with anticorrosive coating. The tanks are made of 18/8 stainless steel sheets pressed in a single piece



Digital speed control



Manual reset safety thermostat

Technical data		WB-MF
Capacity	lt	20
Oscillation amplitude	mm	15
Oscillation frequency	Rpm	0-200
Heating power	W	2100
Precision	°C	±0.5
Temperature	°C	+5 room to +100
External dimensions LxWxH	mm	670x400x290
Internal dimensions LxWxH	mm	440x240x200
Weight	kg	16
Code		610.1007.74

V/HZ 220/240-50/60

SAFETY CLASS 1

PROTECTION CLASS IP 42

ACCESSORIES



Polycarbonate gable lid with hinge

Code **610.1007.76**



Supporting plate without clips for flasks and beakers

Capacity	LxP 365x235 mm
ml	max holder pieces for plates
25 and 50	24-20
100	15
250	12
500	6
1000	4
2000	2
Code	610.1007.83



Fixing clips for flasks and beakers

Capacity	Code
ml 25	603.0131.03
ml 50/100	603.0131.10
ml 250	603.0131.25
ml 500/1000	603.0131.50
ml 2000	603.0131.70



General purpose container
WxD 325x235x60 mm
Code **610.1007.81**

WATER BATHS

Heating immersion units



The temperature is set and checked by a digital thermostat with PID controller and PT100 probe. The stirring pump ensures excellent temperature uniformity inside the tank



The instrument is equipped with a safety float that locks the adjustment in the event that the liquid level is too low



Clamp included



FA 90 E
without pump



FA 90
with pump

Technical data		FA 90 E	FA 90
Pump capacity	mbar	-	9
Heating power	W	1300	1300
Precision	°C	± 3	± 0,5
Head	m	-	7,8
Temperature	°C	from +30 to +120	from +5 amb. to +150
Digital timer	hh:mm		∞ o 99:59
Adjustable temperature	°C		-10 ÷ +150
Display resolution	°C		0.1
Immersed pump height	mm		120
External dimensions LxWxH	mm	95x160x270	160x140x270
Weight	kg	2,8	3
Code		612.1029.50	612.1029.00

V/HZ 220/240-50/60

SAFETY CLASS 3.1

PROTECTION CLASS IP 30

ACCESSORIES



SERPENTINE SET*
For working up to -10°C by an external cooling system
Code 612.1029.01



PUMP SET**
It enables the external power supply via a closed circuit
Code 612.1029.02



COMPLETE SET
Serpentine set + pump set
Code 612.1029.03



18/8 stainless steel tank with bridge



18/8 stainless steel lid with handle



Plexiglass tank
max oper. temp. 60°C

Dimensions	lt	Code
330x180x180	5	612.1029.26
360x350x180	12	612.1029.29
530x350x150	18.5	612.1029.32

Tank lt	Code
5	612.1029.27
12	612.1029.30
18.5	612.1029.33





Dimensions	lt	Code
120x410x150	7	612.1029.35
300x330x150	12	612.1029.37
300x500x150	18.5	612.1029.39

WATER BATHS

Circulation baths with tank



SB

-  The tank is made of 18/8 stainless steel pressed in one piece with lid
-  The temperature is set and checked by a digital thermostat with PID controller and PT100 probe. The stirring pump ensures excellent temperature uniformity inside the tank
-  The instrument is designed for connection to the pump set, the serpentine set, and the complete set
-  The instrument is equipped with a safety float that blocks the regulation if the liquid level is too low

Technical data		SB5	SB15	SB24
Capacity tanks	lt	5	12	18,5
Drain valve		no	no	yes
Digital timer	hh:mm	∞ o 99:59	∞ o 99:59	∞ o 99:59
Adjustable temperature	°C	from +5 amb. to 150	from +5 amb. to 150	from +5 amb. to 150
Precision with H ₂ O	°C	±0,5	±0,5	±0,5
Display resolution	°C	0.1	0.1	0.1
Pump flow rate mbar 190	lt/min	9	9	9
Head m. 1.8	lt/min	7,8	7,8	7,8
Heating element power	W	1300	1300	1300
Internal dimensions LxWxH	mm	250x100x150	290x255x150	240x440x150
Usable tank dimensions LxWxH	mm	160x150x150	190x300x150	360x300x150
External dimensions LxWxH	mm	330x180x370	360x350x370	530x350x370
Weight	kg	7	8	11
Code		612.1029.05	612.1029.15	612.1029.24

V/HZ 220/240-50/60

SAFETY CLASS 0

PROTECTION CLASS IP 30

ACCESSORIES



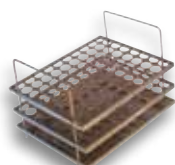
SERPENTINE SET*
For working up to -10°C through an external cooling system
Code 612.1029.01



SET PUMP**
It enables the external power supply via a closed circuit
Code 612.1029.02



COMPLETE SET
Serpentine set
+ pump set
Code 612.1029.03







18/8 stainless steel tube rack with 3 shelves

	1 per tank	1 per tank	2 per tank
	12 holes Ø21	48 holes Ø21	48 holes Ø21
Code	212.1250.02	212.1250.05	212.1250.05
	20 holes Ø17	60 holes Ø17	60 holes Ø17
Code	212.1250.03	212.1250.06	212.1250.06

WATER BATHS

Water baths with circular tank

-  Excellent heat insulation guaranteed by the double wall. The tanks are made of 18/8 stainless steel sheet, no welds and seals, pressed in one piece
-  Heating is ensured by electrical heating elements fixed under the bottom of the tanks, thus the tanks are completely free and easy to clean
-  The control and regulation of the temperature is controlled by a thermostat with graduated scale in °C and fluid-expansion probe
-  The instrument is fitted with an adjustable safety thermostat



Technical data		BM 4	BM 12
Tank capacity	lt	6	13
Temperature	°C	from +30 to +120	+30 to +120
Precision in tank from H ₂ O	°C	±1,5	±1,5
Drain + level		no	yes
Heating element capacity	W	1000	1400
Internal dimensions LxWxH	mm	220x150	280x200
External dimensions LxWxH	mm	305x260	390x340
Weight	kg	5,2	8,2
Code		610.1010.04	610.1010.12

V/HZ 220/240-50/60

SAFETY CLASS 3.1

PROTECTION CLASS IP 43

ACCESSORIES



18/8 Stainless steel lid with concentric rings

BM4
Code **610.1010.24**

BM12
Code **610.1010.32**



Circular test tube rack in 18/8 stainless steel

BM4 - 36 holes Ø21
Code **212.9260.03**

BM12 - 60 holes Ø21
Code **212.9260.04**

WATER BATHS

Thermostatic baths for general purposes



WB-M



Tanks are made of 18/8 stainless steel sheets pressed in one piece and insulated
WB-M 5-15-24: case in Heatproof ABS
WB-M 50: case made of stainless steel sheet coated with antiacid epoxy powder



Analog thermostat with probe and expansion of fluid



Manual reset safety thermostat with red alarm light

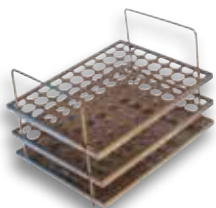
Technical data		WB-M5	WB-M15	WB-M24	WB-M50
Tank capacity	lt	5	12	18,5	50
Adjustable temperature	°C	from +30 to +120	from +30 to +120	from +30 to +120	from +30 to +120
Precision in tank H ₂ O	°C	±1.5	±1.5	±1.5	±1.5
Drain tap		no	no	yes	yes
Heating element power	W	700	1400	2100	3000
Internal dimensions LxWxH	mm	100x250x150	255x290x150	240x440x150	440x560x200
External dimensions LxWxH	mm	280x360x240	445x385x240	445x560x240	835x670x320
Weight	kg	5,2	6,2	9	33
Code		610.1005.05	610.1005.15	610.1005.24	610.1005.50

V/HZ 220/240-50/60

SAFETY CLASS 1

PROTECTION CLASS IP : 43

ACCESSORIES



18/8 Stainless steel test tube rack with 3 shelves

	2 per tank	1 per tank	2 per tank	4 per tank
	12 holes Ø21	48 holes Ø21	48 holes Ø21	48 holes Ø21
	125x100x150	250x170x150	250x170x150	250x170x150
Code	212.1250.02	212.1250.05	212.1250.05	212.1250.05
	20 holes Ø17	60 holes Ø17	60 holes Ø17	60 holes Ø17
	125x100x150	250x170x150	250x170x150	250x170x150
Code	212.1250.03	212.1250.06	212.1250.06	212.1250.06



Transparent polycarbonate gable lid (resistance 120°C)

Code	610.1007.28	610.1007.32	610.1007.33	-
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Gabled lid in 18/8 stainless steel

Code	-	-	-	610.1007.29
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Flat lid in 18/8 stainless steel with concentric rings (Ømax per hole 85 mm)


no. of holes	2	4	6	20
Code	610.1007.35	610.1007.34	610.1007.36	610.1007.37

WATER BATHS

Digital thermostatic baths for precision temperature control

 The tanks are made of 18/8 stainless steel sheets pressed in one piece and insulated
WB-M 5-15-24: case in Heatproof ABS
WB-M 50: case made of stainless steel sheet coated with antiacid epoxy powder

 Manual reset safety thermostat with red alarm light

 The temperature is set by a digital thermostat with PID controller and PT100 probe



WB-MD 5
WB-MD 15
WB-MD 24



WB-MD50

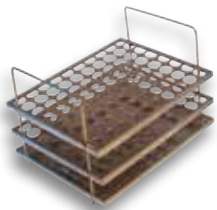
Technical data		WB-MD5	WB-MD15	WB-MD24	WB-MD50
Tank capacity	lt	5	12	18,5	50
Adjustable temperature	°C	from +5 amb. to +120	from +5 amb. to +120	from +5 amb. to +120	from +5 amb. to +120
Precision in tank H ₂ O	°C	±0,5	±0,5	±0,5	±1,0
Drain tap		no	no	yes	yes
Heating element power	W	700	1400	2100	3000
Internal dimensions LxWxH	mm	100x250x150	255x290x150	255x440x150	440x560x200
External dimensions LxWxH	mm	280x360x240	445x385x240	445x560x240	835x670x320
Weight	kg	5,2	6,2	9	33
Code		610.1006.05	610.1006.15	610.1006.24	610.1006.50

V/HZ 220/240-50/60

SAFETY CLASS 3.1

PROTECTION CLASS IP 42

ACCESSORIES



18/8 Stainless steel test tube rack with 3 shelves

	2 per tank	1 per tank	2 per tank	4 per tank
	12 holes Ø21	48 holes Ø21	48 holes Ø21	48 holes Ø21
	125x100x150	250x170x150	250x170x150	250x170x150
Code	212.1250.02	212.1250.05	212.1250.05	212.1250.05
	20 holes Ø17	60 holes Ø17	60 holes Ø17	60 holes Ø17
	125x100x150	250x170x150	250x170x150	250x170x150
Code	212.1250.03	212.1250.06	212.1250.06	212.1250.06



Transparent polycarbonate gable lid (resistance 120°C)

Code	610.1007.28	610.1007.32	610.1007.33	-
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Gabled lid in 18/8 stainless steel

Code	-	-	-	610.1007.29
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Flat lid in 18/8 stainless steel with concentric rings (Ømax per hole 85 mm)

no. of holes	2	4	6	20
Code	610.1007.35	610.1007.34	610.1007.36	610.1007.37

WATER BATHS




Multiple water baths



WB-S



WB-U

-  hermostatic baths FALC for extractors, with single tank for models WB-U and separated tanks, individually isolated, for the models WB-S. Maximum tank opening 105 mm
-  All baths are equipped with a bimetallic thermostat graduated with scale in °C and relative probe per each tank
-  The baths are supplied with sensor and the model WB-U features a thermometer and a drain valve

Technical data		WB-S2	WB-S4	WB-S6	WB-U2	WB-U4	WB-U6
Capacity	lt	1,8	1,8	1,8	4	8	12
Heating power	W	800	1600	2400	700	1400	2100
Precision	°C	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5
Temperature	°C	from +30 to +120	from +30 to +120	from +30 to +120	from +30 to +120	from +30 to +120	from +30 to +120
Tanks		2	4	6	2	4	6
External dimensionsLxWxH	mm	385x280x190	750x280x190	1100x280x190	455x300x200	775x300x200	1110x300x200
Internal dimensionsLxWxH	mm	140x125	140x125	140x125	335x135x100	650x135x100	980x135x100
Weight	kg	6	10	16,4	7	11,2	15
Code		610.1022.02	610.1022.04	610.1022.06	610.1012.02	610.1012.04	610.1012.06

V/HZ 220/240-50/60

SAFETY CLASS 0

PROTECTION CLASS IP 43

ACCESSORIES



Clip with clamp
Code 180.4304.39






18/8 Stainless steel rod 10x500 mm
Code 263.7120.05



Thermometer for model WB-U
Code 610.1007.68

COOLING PUMP

Cooling system compatible with thermostatic baths

-  This instrument allows to set temperature of any water bath under room temperature, using Peltier technology
-  Supplied with a kit for the connection of the tank, to connect it to a water bath. Self-priming pump
-  Capability to lower the temperature of 10°C



Technical data

Capacity	lt	from 5 to 24
Pump range	lt/min	7
Heating power	W	160
External dimensions	mm	225x400x145
Weight	kg	8,5
Code		612.1029.62

V/HZ 220/240-50/60

SAFETY CLASS 0

PROTECTION CLASS IP 40

COMPATIBLE WITH



WB-MD



BM



WB-M



WB-MF



"CONNECTION KIT"
included with the instrument

OIL BATHS

High temperature oil baths with circular tank



BO



BO-D



Excellent heat insulation guaranteed by the double wall. The tanks are made of 18/8 stainless steel sheet, no welds and seals, pressed in one piece



Heating is ensured by electrical heating elements fixed under the bottom of the tanks, thus the tanks are completely free and easy to clean



BO: The control and regulation of the temperature is done by a thermostat with graduated level °C and fluid-expansion probe.

BO-D: The temperature The temperature is set and checked by a digital thermostat with PID controller and PT100 probe



The instrument is fitted with an adjustable safety thermostat

Technical data		BO-4	BO-12	BO-D16	BO-D24	BO-D30
Capacity	lt	6	13	3	6	13
Heating power	W	1000	1400	400	1000	1400
Precision	°C	5	5	1	1	1
Temperature	°C	from +5 room to +300				
External dimensions LxWxH	mm	305x260	390x340	205x290	305x290	390x340
Internal dimensions LxWxH	mm	220x150	250x200	160x160	220x150	280x200
Weight	kg	5,2	8,2	4,0	5,8	9,4
Code		614.1033.03	614.1033.12	614.1035.02	614.1035.04	614.1035.12

V/HZ 220/240-50/60

SAFETY CLASS 3,1

PROTECTION CLASS IP 42

ACCESSORIES



18/8 Stainless steel lid with concentric rings

BO-D16
Code **614.1035.00**

BO-4/BO-D24
Code **610.1010.24**

BO-12/BO-D30
Code **610.1010.32**





18/8 Stainless steel test tube rack with 3 shelves with central hand


	BO-D16	BO-4/BO-D24	BO-12/BO-D30
	30 holes Ø21	36 holes Ø21	60 holes Ø21
Code	212.9260.01	212.9260.03	212.9260.04


OIL BATHS

General purpose oil baths up to 200° C

 The external case is heatproof ABS. The tanks are made of 18/8 stainless steel sheet, no welds and seals, pressed in one piece

 Analog thermostat with probe and expansion of fluid

 Manual reset safety thermostat with alarm light, red coloured

 PID temperature controller with PT100 probe



WB-OD

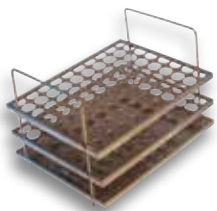
Technical data		WB-OD5	WB-OD15	WB-OD24
Tank capacity	lt	5	12	18,5
Adjustable temperature	°C	from +5 room to +200	from +5 room to +200	from +5 room to +200
Precision in tank H ₂ O	°C	±1.0	±1.0	±1.0
Drain + gauge		yes	yes	yes
Heating power	W	700	1400	2100
Internal dimensions LxWxH	mm	100x250x150	255x290x150	255x440x150
External dimensions LxWxH	mm	280x360x240	445x385x240	445x560x240
Weight	kg	5,2	6,2	9
Code		614.1032.05	614.1032.15	614.1032.24

V/HZ 220/240-50/60

SAFETY CLASS 1

PROTECTION CLASS 42

ACCESSORIES



18/8 Stainless steel test tube rack with 3 shelves

	2 per tank	1 per tank	2 per tank
	12 holes Ø21	48 holes Ø21	48 holes Ø21
Code	212.1250.02	212.1250.05	212.1250.05
	20 holes Ø17	60 holes Ø17	60 holes Ø17
Code	212.1250.03	212.1250.06	212.1250.06



18/8 Stainless steel lid with concentric rings. Max per hole Ø85 mm

Holes no.	2	4	6
Code	610.1007.35	610.1007.34	10.1007.36

THERMOSTATIC BATH ACCESSORIES

Liquids and cleaners

Silicone oil M350 -65°C + 200°C



Specific for thermostatic baths.
It is stabilized against oxidation and used in all cases where they are requested to solve problems of heating up to 200°C, for up to about 60-80 working hours.
Soluble in chlorinated solvents and aromatic hydrocarbons

Technical data

Appearance	Colourless liquid	Colourless liquid	Colourless liquid
Viscosity at 25° C	357.0	357.0	357.0
Capacity	1 lt	5 lt	25 lt
Code	614.1035.21	614.1035.23	614.1035.25

Cleaning liquid

Code 610.0000.40






Liquid solution for cleaning steel.
400 g pack.

Liquid for cryostat -30÷80°C

Code 612.1050.35

MULTIPURPOSE BATHS

-  Suitable for tissues in paraffin, coming from microtome
-  The black anodized internal tank makes it easy to see the inside material. The external tank minimises heat dispersion
-  Temperature is controlled by a thermostat with sensor

Histology bath






BI

Technical data		BI
Capacity	lt	1,5
Heating power	W	250
Precision	°C	1,5
Temperature	°C	from +30 to +90
Internal dimensions LxWxH	mm	330x95
External dimensions LxWxH	mm	200x60
Weight	Kg	1,6
Code		610.1030.00

V/HZ 220/240-50/60

SAFETY CLASS 0

PROTECTION CLASS IP 54

-  Ideal for homogeneous heating of the tank
-  The internal tank is made of 18/8 stainless steel at high pressure
-  Bimetal temperature controller regulates and controls the temperature. Heating is ensured by armored heating element in stainless steel

Sand bath



S70
S130

Technical data		S70	S130
Capacity	lt	6	12
Heating power	W	1000	1400
Precision	°C	5	5
Temperature	°C	+450	+450
External dimensions LxWxH	mm	410x400x270	610x460x270
Internal dimensions LxWxH	mm	290x230x90	500x300x90
Weight	kg	12,6	20,2
Code		614.1037.07	614.1037.13

V/HZ 220/240-50/60

SAFETY CLASS 0

PROTECTION CLASS IP 30

ACCESSORIES



Flat Lid
Code 610.1030.01



Sand in packs of 2 Kg
Code 614.1037.15



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