



LAT - Labor- und Analysen-Technik GmbH
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2017

ULTRASONIC BATHS

www.falcinstruments.it

THERMOCYCLES

Thermal cyclers with gradient and interchangeable blocks



XP CYCLER



Ideal for high precision applications



8 interchangeable block that enable to work simultaneously at two different temperatures



Heatproof and shockproof ABS external structure The lid ensures optimal pressure regulation

Technical data		LIFE ECO
Max Temperature Range	°C	4-99
Temp. Max	°C/sec	4
Max cooling	°C/sec	3
Precision on Block	°C	0.4
Temp. uniformity on the Block	°C	0.3
Max temp. with lid	°C	110
Programs		99
Heating power	W	600
Dimensions LxWxH	mm	340x470x260
Optional temperature control		block or test tube
Weight	Kg	10.0
Code		621.0620.30

V/HZ 220/240-50/60

SAFETY CLASS 0

PROTECTION CLASS 40



XP - A



XP - B



XP - C



XP - D



XP - E



XP - F



XP - G



XP - H

ACCESSORIES

Code	Model	
621.0620.32 ^E	XP-A	Single with 96 places for 0.2 ml test tubes Single
621.0620.33 ^E	XP-B	Double with 60 places for test tubes of 0.5 ml
621.0620.34 ^E	XP-C	Double with 30+30 places for 0.5 ml tubes
621.0620.35	XP-D	Double with 48 + 48 places for 0.2 ml tubes
621.0620.36 ^E	XP-E	Double with 48 places for 0.2 ml tubes + 30 places for 0.5 ml tubes
621.0620.37 ^E	XP-F	Single for microtiter plates
621.0620.38	XP-G	Single graduated 96 places for 0.2 ml tubes
621.0620.39	XP-H	Single for slides

TUBES STIRRERS

Thermal mixing blocks



THERMO MIXER



It combines mixing and thermostating functions



Efficient and precise Mixing rotation. 5 interchangeable blocks

ACCESSORIES

Code	model	Blocks of
621.0625.43	c	96 places for 0,2 ml tubes
621.0625.44	b	54 places for 0,5 ml tubes
621.0625.45	a	40 places for 1,5 ml tubes
621.0625.46	h	40 places for 2,0 ml tubes
621.0625.47	d	24 places for tubes with ø of 15 mm
621.0625.53	e	Bowl LxPxH 115x73x38
621.0625.48	g	24 places for 1,5 ml tubes and 26 of 0,5 ml
621.0625.49	j	Elisa block for Mixer and Cell

Technical data

		Mix
Temperature range	°C	0 - 105
Temperature control from	°C	da -14 a 100
Rotary movement	mm	3
Heating Power	W	150
Timer	min	1min - 99h - 59min
Variable speed from	rpm	300 a 1.500
Temperature uniformity	°C	±0.5 / 0-60
Temperature accuracy	°C	0.5
Precision on display	°C	±0.5
From ambient temperature	min	100°C in 6 min
From ambient temperature	min	-10°C in 12 min
Dimensions LxWxH	mm	265 x 295 x 170
Weight	Kg	8.5

Code

621.0625.40

V/HZ 220/240-50/60

SAFETY CLASS 0

PROTECTION CLASS IP 40

Roller Stirrers



ROLLER



Provides a rocking and rolling motion to test tubes



Digital speed control with a resolution of 1 rpm



540 min digital timer



Audible and visual alarm for motor overload



It can be used with Bijoux, Universal containers, and bottles with diameters up to 135 mm

Technical data

		F406	F409
Speed	rpm	5-60	5-60
Power	W	50	50
Timer	min	540	540
Amplitude excursion	mm	16	16
Rollers	n	6	9
Maximum load	kg	10	10
Internal dimensions LxWxH	mm	340x30	340x30
External dimensions LxWxH	mm	565x240x110	565x360x110
Weight	kg	5,1	6,9

Item

603.0129.80

603.0129.82

V/HZ 220/240-50/60

SAFETY CLASS 0

PROTECTION CLASS IP 40

THERMOCYCLES

Thermal cycler without gradient - 18x05 and 24x02 blocks



Ideal for high precision and uniform applications with Peltier technology



Automatic lid lock.
Adjustable closing pressure



LCD display with Touch Screen with text and graphic view. USB access.
Absorption function. HOTLID lid. Possibility to save up to 100 programs



GENE Q

Model		Gene Q-24	Gene Q-18
Sample capacity		24*0.2ml 8-strip 24-microplate	18*0.5ml
Temperature Range	°C	4~99.9	4~99.9
Heating Rate (max)	°C/sec	≥ 5	≥ 4
Cooling Rate (max)	°C/sec	≥ 4	≥ 3
Block uniformity	C°	≤±0.2	≤±0.2
Block accuracy	C°	≤±0.2	≤±0.2
Lid temperature	C°	30~110	30~110
Max no of segments	n°	-	5
Max steps max	n°	-	16
N° of cycles	n°	-	99
Dimensions LxWxH	mm	345x250x270	345x250x270
Weight	kg	3.2	
Interface		RS232	
Code		621.0615.43	621.0615.40

V/HZ 220/240-50/60

SAFETY CLASS 3.1





PROTECTION CLASS IP 42

THERMOCYCLES

Thermal Cyclers with gradient - 96x02 Block



LIFE ECO

-  Ideal for high precision and uniform applications with Peltier technology
-  HOTLID lid
-  LCD display with Touch Screen with text and graphic view. USB access. Absorption function.
-  Automatic lid lock

Technical data		LIFE ECO	
Capacity of the sample	96-PCR plate (full-skirted)	96x0.2 ml tables	12x8 - strip
Temperature		°C	4~105
Heating speed		sec	Up to 4°
Cooling speed		sec	Up to 4°
Uniformity		°C	≤±0.3
Precision		°C	≤±0.1 (55) ≤±0.2 (≥90)
Memory			250 programs
Maximum number of cycles			99
Range of gradient		°C	30~105
Gradient temperature range		°C	1~30
Lid temperature range		°C	30~110
Capacity		W	600
Dimensions LxWxH		mm	335x260x270
Weight		kg	10
Code			621.0610.20

V/HZ 220/240-50/60

SAFETY CLASS 3.1

PROTECTION CLASS 42



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