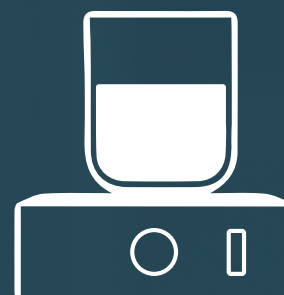




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[L]
STIRRING



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ENDO
glassware

RS Lab

ahita

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blue

MAGNETIC STIRRERS COMPARATIVE CHART: digital and analogical models without heating



	Nahita-BLue 682 LBG002	MINI LBG011	RSLAB 11 NCA LBG010	RSLAB 1F LBG004	RSLAB 1 NC LBG003	RSLAB 11 NCD LBJ001
Model	Analogic	Analogic	Analogic	Analogic	Analogic	Digital
Speed	100/1600 rpm	300-200 rpm	0-1500 rpm	15/1500 rpm	0/1500 rpm	100/1500 rpm
Maximun vol	5 L	1,5 L	3 L	0,8 L	20 L	3 L
Plate	Metallic with ceramic coating	PET	Plastic	Resistant to chemicals	Ceramic	Plastic
Dim. plate	190x190 mm	120 mm	135 mm	90 mm	135 mm	135 mm
Dimensions	300x210x126 mm	150x145x50 mm	260x150x80 mm	175x120x15 mm	280x160x85 mm	160x150x80 mm

MAGNETIC STIRRERS COMPARATIVE CHART: digital and analogical with heating



	RSLAB 1C LBB003	NAHITA 690/1 LBB001	Nahita-blue 692 LBB002	Nahita-blue 692/1 LBD001
Model	Analogic	Analogic	Analogic	Digital
Display	-	-	-	LED
Speed	0/1500 rpm	0/2000 rpm	16000 rpm	1600 rpm
Maximun vol	20 L	2 L	5 L	5 L
Temp. range	RT 340 °C	RT 180 °C	RT 380 °C	RT 350 °C
Safety temp	350 °C	-	-	-
Plate	Ceramic	Metallic, EPOXI coated	Metallic, ceramic coated	Metallic, ceramic coated
Dim. plate	135 mm	120x120 mm	190x190 mm	190x190 mm
Dimensions	280x160x85 mm	200x120x90 mm	330x195x125 mm	300x210x126 mm
Probe	NOT admitted	NOT admitted	NOT admitted	PT 1000



	RSLAB 11C LBD005	RSLAB 2C LBD002	RSLAB 3C LBD003	RSLAB 4C LBD004
Model	Digital	Digital	Digital	Digital
Display	LED	LCD	LED	LCD
Speed	100/1500 rpm	100/1500 rpm	0/1500 rpm	100/1500 rpm
Maximun vol	3 L	20 L	10 L	20 L
Temp. range	RT 280 °C	RT 340 °C	RT 550 °C	RT 550 °C
Safety temp	320 °C	360 °C	580 °C	580 °C
Plate	Stainless steel	Ceramic	Glass ceramic	Glass ceramic
Dim. plate	135 mm	135 mm	184x184 mm	184x184 mm
Dimensions	260x150x80 mm	260x160x85 mm	360x215x112 mm	360x215x112 mm
Probe	PT 1000	PT 1000	PT 1000	PT 1000

▶ LBB - With heating, analogical

▶ Analogic with heating Nahita 690/1



- 1| Epoxy coated metal body.
- 2| Supplied with support (rod, nut and clamp) and magnet for stirring.

Code	LBB001
Speed range	10-2000 rpm
Maximum stirring volume	2 L
Temperature range	RT - 180°C
Plate material	Metallic epoxy coated
Plate size	120x120 mm
Aprox. dimensions	200x120x90 mm
Aprox. weight.	2 Kg



▶ With heating Nahita-Blue 692



- 1| Supplied with rod, clamp for holding electrode or thermometer, and magnet for stirring.
- 2| Speed and heating indicator lamps

Code	LBB002
Speed máxima	1600 rpm
Maximum stirring volume	5 L
Temperature range	RT - 380°C
Plate material	Metallic with ceramic coating
Plate size	190 x 190 mm
Aprox. dimensions	330 x 195 x 125 mm
Aprox. weight.	4,2 Kg



▶ With heating RSLAB-5C, 10 posts



- 1| Internal control of the uniformity of stirring according to the number of posts used. Brushless motor, maintenance-free
- 2| Electronic control ensuring constant speed during sample change.
- 3| Protection against overheating.

Code	LBB004
Speed range	0-1100 rpm
Maximun volume / puesto	0,4 L
Temperature range	RT - 120°C
Safety temperature	140°C
Plate material	Silicone coating
Dimensions de la placa	182x450 mm
Aprox. dimensions	182x 552x65 mm
Aprox. weight	3,2 Kg



▶ With heating RSLAB-1C



- 1| Analogic speed and time control, constant speed even with load changes. Brushless motor free of maintenance.
- 2| Protection for overheating.

Code	LBB003
Speed range	0-1500 rpm
Maximum stirring volume	20 L
Temperature range	RT - 340°C
Plate material	Ceramic
Plate diameter	135 mm
Aprox. dimensions	280 x 160 x 85 mm
Aprox. weight	2,8 Kg



LBB - With heating, analogical

Stirrers AGIMATIC N and AGIMATIC E



- 1| Switch on button with indicator lamp for heating and for stirring speed.
- 2| Electronic stir speed control.
- 3| *Electronic heater energy control from 0-100%, synchronised with an indicator lamp that functions when the plate is hot. (code LBB500)
- 4| **Electronic temperature control of the heater plate from 50 °C to 350 °C synchronised with an indicator lamp that functions when the plate is hot. (code LBB501)

Code	LBB500*	LBB501**
Model	AGIMATIC N	AGIMATIC E
Controller	Analogic	
Volume max.	10 L	
Heater	Yes	
Controller type	Electronic/Energy	Electronic/Temperature
Temperature range	350 °C	
Range r.p.m	60 / 1600	
Rapid overview	INOX	
Plate Ø	14.5	

Stirrer AGIMAN



- 1| Switch on button with indicator lamp for heating and for stirring speed.
- 2| Electronic stir speed control.
- 3| Electronic heater energy control from 0-100%, synchronised with an indicator lamp that goes on when the mantle is hot.
- 4| Illuminated heater indicator when the mantle is "on".

Code	LBB502
Maximum stir L	Up to 2
Maximum volume	1,5 L
Exterior dimensions	14,5 x 19 x 26 cm
Weight	3,5 Kg

Stirrers MULTIMATIC 5-N and 9-N



- 1| Mains illuminated power switch.
- 2| Individual speed control for each position.
- 3| Electronic heater energy control from 0-100% synchronised with an indicator lamp when the heater is on.

Code	LBB503	LBB504
Model	MULTIMATIC 5-N	MULTIMATIC 9-N
Ext. dimensions	16 x 28 x 35 cm	
Plate Width/Depth	25 x 25 cm	
Max. temperature	200 °C	
Speed control	Up to 1600 r.p.m.	
Max volume	5 x 600 ml	9 x 300 ml
Heater power	680 W	
Total power	700 W	
Weight	12 Kg	14 Kg



LBD - With heating, digital

Digital magnetic stirrer w/heating, 692/1



1 | Protection against overheating. Supplied with rod and clamp, temperature probe and stirring magnet. Probe not included

Code	LBD001
Display	LCD backlit
Speed máxima	1600 rpm
Maximum stirring volume	5 L
Temperature range	RT - 350°C
Plate material	Metallic, ceramic coated
Plate size	190 x 190 mm
Aprox. dimensions	300 x 210 x 126 mm
Aprox. weight	4,2 Kg



Digital stirrer heating with ring RSLAB-2C



1 | With sealing ring that protects the body of the equipment. Does not include support kit. Maintenance-free brushless motor. Control via PC and RS232 interface. Special StirPC software free on request.

Code	LBD002
Display	LCD
Speed range	100-1500 rpm
Maximum stirring volume	20 L
Rango de temperatura	RT - 340°C
Temperature range	360°C
Plate material	Ceramic
Plate diameter	135 mm
Aprox. dimensions	280 x 160 x 85 mm
Aprox. weight	2,8 Kg



Stirrer with heating LED RSLAB-3C



1 | Support kit not included. Maintenance-free brushless motor

Code	LBD003
Display	LED
Speed range	0-1500 rpm
Maximun volume	10 L
Temperature range	RT - 550°C
Temperature range	580°C
Plate material	Glass ceramic
Plate dimensions	184x184 mm
Aprox. dimensions	360 x 215 x 112 mm
Aprox. weight.	4,5 Kg



Digital stirrer with heating RSLAB-4C



Code	LBD004
Display	LCD
Speed range	100-1500 rpm
Maximun volume	20 L
Temperature range	RT - 550°C
Temperature range	580°C
Plate material	Glass ceramic
Plate dimensions	184x184 mm
Aprox. dimensions	360 x 215 x 112 mm
Aprox. weight.	5,3 Kg





LBD - With heating, digital

▶ Digital stirrer with heating RSLAB-11C

RS Lab

Code	LBD005	LBD006
Display	LED	
Speed range	200 - 1500 rpm	
Temperature range	RT - 280°C	
Temperature range	320°C	
Maximum volume	3 L	
Plate diameter	135 mm	
Plate material	Metallic, ceramic coated	Stainless steel
Aprox. dimensions	260 x 150 x 80 mm	
Aprox. weight.	1,8 Kg	

▶ Stirrer Agimatic-ED



- 1 | Digital display indicating stir speed or temperature.
- 2 | Push button, parameter selector, Stir speed or temperature.
- 3 | Push button, increase parameter value. Push button, decrease parameter value.
- 4 | Indicator lamp, safety thermostat "on". Push button Stop-Start

Code	LBD501
Max. stir litres	Up to 10 L
Dimensions	14,5 x 19 x 26 cm
Power	550 W
Weight	3,5 Kg

▶ Stirrer Agimatic REV-TFT and REV-TFT-C



- 1 | Probe position indicator.
- 2 | RPM, temperature and time reading. Increase/decrease parameters value.
- 3 | Silumin upper plate covered by aisi 304 stainless steel (code LBD503), and silumin upper plate with ceramic surface (code LBD504).

Code	LBD503	LBD504
Model	REV-TFT	REV-TFT-C
Max. stir litres	Up to 10 L	
Dimensions	14,5 x 19 x 26 cm	
Power	550 W	
Weight	3,5 Kg	

▶ Stirrer Agimatic-ED-C



- 1 | Digital display indicating stir speed or temperature.
- 2 | Push button, parameter selector, Stir speed or temperature.
- 3 | Indicator lamp, safety thermostat "on". Push button Stop-Start.

Code	LBD502
Max. stir litres	Up to 10 L
Dimensions	14,5 x 19 x 26 cm
Power	550 W
Weight	3,5 Kg



LBG - Without heating, analogical

► Magnetic stirrer, 1M - Mini

RS Lab

- 1 | With rod and electrode clamp.
- 2 | Polyethylene Terephthalate (PET) plate with high chemical resistance.
- 3 | High-performance, brushless motor.
- 4 | Silent functioning.

Code	LBG011
Speed range	300 - 2000 rpm
Maximum volume	1,5 L
Plate diameter	120 mm
Plate dimensions	184 mm
Aprox. weight	0,3 Kg



► Magnetic stirrer, Nahita Blue 682

nahita
blue

- 1 | Supplied with rod, clamp and magnet for shaking
- 2 | Speed Indicator Pilot

Code	LBG002
Speed range	100 - 1600 rpm
Maximum stirring volume	5 L
Plate material	Metallic, ceramic coated
Plate size	190 x 190 mm
Aprox. dimensions	300 x 210 x 126 mm
Aprox. weight	5 Kg



► Analogical stirrer RSLAB-1NC

RS Lab

- 1 | Motor with electronic speed control, constant speed even with load change.
- 2 | Maintenance-free motor with brushes

Code	LBG003
Speed range	0-1500 rpm
Maximum stirring volume	20 L
Plate material	Ceramic
Plate diameter	135 mm
Aprox. dimensions	280 x 160 x 85 mm
Aprox. weight	2,8 Kg



► Magnetic stirrer RSLAB-1F (flat design)

RS Lab

- 1 | Brushless motor
- 2 | With anti-reverse system. Only 15 mm thick. IP21 protection.

Code	LBG004
Speed range	15-1500 rpm
Maximum stirring volume	0,80 L
Max. stirring weight	2 kg
Operation light	Yes
Plate diameter	90 mm
Dimensions (LxAxH)	175 x 120 x 15 mm
Weight	0,30 Kg





LBG - Without heating, analogical

▶ Analogical stirrer RSLAB-5NC, 10 positions

RS Lab

1 | Internal control of the uniformity of the agitation according to the number of positions used. Maintenance-free brushless motor.

Code	LBG005
Speed range	0-1100 rpm
Puestos de agitación	10
Max volume / positions	0,4 L
Plate material	Silicone coating
Plate size	182x450 mm
Aprox. dimensions	182x552x65 mm
Aprox. weight.	3,2 Kg

▶ Analogical stirrer RSLAB-11NCA

RS Lab

1 | Nylon + GF housing, with good resistance to weak acids and bases.

Code	LBG010
Speed range	10 - 1500 rpm
Maximun volume	3 L
Plate material	Nylon + GF
Plate diameter	135 mm
Aprox. dimensions	260 x 150 x 80 mm
Aprox. weight.	1,8 Kg

▶ Magnetic stirrer "AGIMICRO"



1 | Maximum stir volume: 2 litres. Adjustable stir speed from 40 to 1400 r.p.m.
2 | Excellent chemical resistance.

Code	LBG504
Dimensions	Ø 12 x 5
Power source	230 V 1 W
Weight	0.5 Kg

▶ Stirrer AGIMATIC-S



Code	LBG501
Model	AGIMATIC-S
Heating	No
Max. stir litres	Up to 10 L
Dimensions	14,5 x 19 x 26 cm
Power	90 W
Weight	3,5 Kg

LBG - Without heating, analogical

Stirrers MULTIMATIC 5-S and MULTIMATIC 9-S



- 1 | Mains illuminated power switch. Individual speed control for each position.
- 2 | Electronic heater energy control from 0-100% synchronised with an indicator lamp when the heater is on.

Code	LBG502	LBG503
Model	MULTIMATIC 5-S	MULTIMATIC 9-S
Ext. dimensions	11 x 28 x 35 cm	
Plate Width/Depth	28 x 33 cm	
Speed control	Up to 1600 r.p.m.	
Max volume	5 x 600 ml	9 x 300 ml
Power	16 W	27 W
Weight	7 Kg	9 Kg



LBJ - Without heating, digital

Digital stirrer RSLAB 11 NCD



- 1 | Nylon + GF housing, with good resistance to weak acids and bases.

Code	LBJ001
Display	LED
Speed range	10 - 1500 rpm
Maximum volume	3 L
Plate material	Nylon + GF
Plate diameter	135 mm
Aprox. dimensions	260 x 150 x 80 mm
Aprox. weight.	1,8 Kg



Magnetic stirrer AGIMATIC H



- 1 | Electronic speed control from 50 to 980 r.p.m, will maintain a constant stir speed irrespective of the liquid viscosity.
- 2 | Digital speed display.
- 3 | AISI 304 stainless steel top plate with an epoxy coated metal case.

Code	LBJ500	LBJ501
Model	AGIMATIC HS	AGIMATIC HL
Speed control	50 to 980 rpm	
Maximum stir	up to 25 L	up to 60 L
Dimensions	12x28x34 cm	14x44x38 cm
Power	35 W	40W
Weight	8 Kg	12 Kg





LBM - Accessories

► **CHART 1:** 'Accessoires for magentic stirrers models RSLAB 11C, 1C, 2C, 3C, 4C, MULTIMATIC and AGIMATIC'

	Code	Description	Model						
			MULTIMATIC	AGIMATIC	11C	1C	2C	3C	4C
	LBM002	Temperature probe PT1000			☐		☐	☐	☐
	LBM005	Temperature probe PT1000 with glass coating			☐			☐	☐
	LBM003	Support kit for probe PT1000					☐		
	LBM004	Support kit for probe PT1000			☐				
	LBM006	Adapter for round bottom flasks 50 mL			☐	☐	☐		
	LBM007	Adapter for round bottom flasks 100 mL			☐	☐	☐		
	LBM008	Adapter for round bottom flasks 250 mL			☐	☐	☐		
	LBM009	Adapter for round bottom flasks 500 mL			☐	☐	☐		
	LBM010	Poly-block red stand with 11 holes for 4 mL tubes			☐	☐	☐	☐	☐
	LBM011	Poly-block purple stand with 4 holes for 20 mL tubes			☐	☐	☐	☐	☐
	LBM012	Poly-block blue stand with 4 holes for 30 mL tubes			☐	☐	☐	☐	☐
	LBM013	Poly-block black stand with 4 holes for 40 mL tubes			☐	☐	☐	☐	☐
	LBM014	Poly-block green stand with 6 holes for 80 mL tubes			☐	☐	☐	☐	☐



LBM - Accessories

CHART 1: 'Accessoires for magentic stirrers models RSLAB 11C, 1C, 2C, 3C, 4C, MULTIMATIC and AGIMATIC'

	Code	Description	MULTIMATIC	AGIMATIC	Model 11C	1C	2C	3C	4C
	LBM015	Poly block yellow stand with 4 holes with 16 mL tubes			☒	☒	☒	☒	☒
	LBM016	Blue support for 4 poly-block stands			☒	☒	☒		
	LBM017	Blue ring for 4 poly-block stands			☒	☒	☒		
	LBM018	Protective cover resistant up to 135°				☒	☒		
	LBM500	Transparent metacrylate tank. Volume of 25 liters	☒						
	LBM501	Aluminium coated teflon bath 2 L		☒					
	LBM502	Aluminium coated teflon bath 4 L		☒					
	LBM503	Probe PT 100 magnetic stirrer		☒					
	LBM504	Adapter round flask, 250 mL		☒					
	LBM505	Adapter round flask, 500 mL		☒					
	LBM506	Adapter round flask, 1000 mL		☒					

☒ = Accesorio **compatible** con el equipo indicado



LDB - Cylindrical magnets

▶ Stirring bars PTFE

**Kartell**

Code	Diameter	Lenght
LDB019	3 mm	8 mm
LDB020	3 mm	6 mm
LDB021	4,5 mm	11,5 mm
LDB022	4,5 mm	15 mm
LDB023	6 mm	19,5 mm
LDB024	6 mm	24,5 mm
LDB025	6 mm	30 mm
LDB027	7 mm	50 mm
LDB026	6 mm	34,5 mm
LDB028	8 mm	40 mm
LDB029	8 mm	45 mm
LDB030	9,5 mm	60 mm
LDB031	9,5 mm	70 mm

▶ Stirring bars "economy" PTFE

**Kartell**

Code	Diameter	Lenght
LDB015	3 mm	12 mm
LDB016	8 mm	25 mm
LDB017	8 mm	40 mm
LDB018	8 mm	50 mm

nahita
blue

1| Excellent chemical and physical resistance. Withstands up to 275°C.



Code	Diameter	Lenght
LDB001	3 mm	6 mm
LDB002	4 mm	10 mm
LDB003	5 mm	15 mm
LDB004	7 mm	20 mm
LDB005	8 mm	25 mm
LDB006	8 mm	30 mm
LDB007	8 mm	35 mm
LDB008	8 mm	40 mm
LDB009	8 mm	45 mm
LDB010	8 mm	50 mm
LDB011	8 mm	55 mm
LDB012	8 mm	60 mm
LDB013	8 mm	70 mm
LDB014	10 mm	80 mm

▶ Magnetic stirring-bar polygon

**VITLAB**

Code	Diameter	Lenght
LDB501	2 mm	5 mm
LDB502	2 mm	7 mm
LDB503	3 mm	8 mm
LDB504	3 mm	10 mm
LDB505	3 mm	13 mm
LDB506	4 mm	12 mm
LDB507	5 mm	12 mm
LDB508	6 mm	15 mm
LDB509	7 mm	20 mm
LDB510	7 mm	25 mm
LDB511	7 mm	30 mm
LDB512	7 mm	40 mm
LDB513	7 mm	50 mm
LDB514	7 mm	60 mm



LDB - Cylindrical magnets

▶ Magnetic stirring-bar polygon

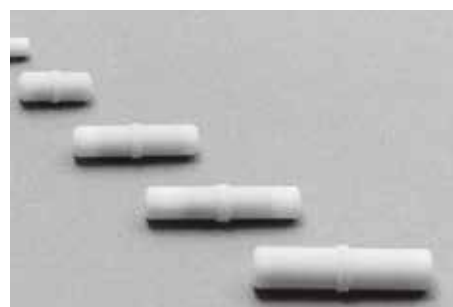
VITLAB


Code	Diameter	Lenght
LDB515	10 mm	70 mm
LDB516	10 mm	80 mm
LDB517	27 mm	57 mm
LDB518	27 mm	108 mm
LDB519	27 mm	159 mm



▶ Magnetic stirring-bar polygon

1 | Encased in PTFE with pivot ring, temperature resistant to +275 °C.



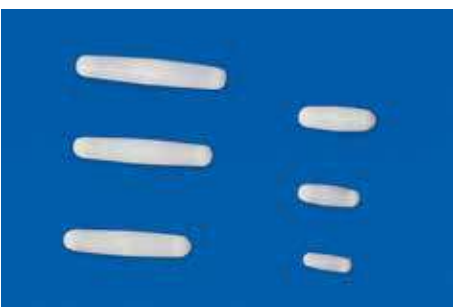
Code	Diameter	Lenght
LDB521	4 mm	12 mm
LDB522	7 mm	20 mm
LDB523	8 mm	32 mm
LDB524	27 mm	108 mm
LDB525	27 mm	159 mm
LDB526	10 mm	80 mm
LDB527	27 mm	57 mm
LDB528	27 mm	108 mm
LDB529	27 mm	159 mm

LDD - Oval magnets

▶ PTFE magnetic stirrer bar

nahita
blue

1 | Excellent chemical and physical resistance. Withstands up to 275°C.



Code	Lenght	Diameter
LDD001	10 mm	5 mm
LDD002	15 mm	7 mm
LDD003	18 mm	7 mm
LDD004	25 mm	9 mm
LDD005	30 mm	10 mm
LDD006	25 mm	12 mm
LDD007	35 mm	12 mm
LDD008	35 mm	15 mm
LDD009	50 mm	8 mm
LDD017	20 mm	40 mm
LDD018	50 mm	20 mm

Kartell


Code	Diameter	Lenght
LDD010	10 mm	20 mm
LDD011	12 mm	25 mm
LDD012	16 mm	30 mm
LDD013	16 mm	35 mm
LDD014	20 mm	40 mm
LDD015	20 mm	50 mm
LDD016	20 mm	64 mm



LDD - Oval magnets

▶ Magnetic stirring-bar oval



VITLAB

Code	Diameter	Lenght
LDD501	5 mm	10 mm
LDD502	6,5 mm	16 mm
LDD503	9,5 mm	19 mm
LDD505	16 mm	32 mm
LDD506	16 mm	38 mm
LDD508	20 mm	50 mm

▶ Magnetic stirring-bar oval



Code	Diameter	Lenght
LDD509	16 mm	30 mm
LDD510	20 mm	40 mm

LDG - Octogonal magnets

▶ Stirring bars with ring PTFE



Kartell

1 | Product suitable for food contact.

Code	Lenght	Diameter
LDG008	20,5 mm	6,5 mm
LDG009	25 mm	6 mm
LDG010	35 mm	6,5 mm
LDG011	30 mm	6 mm
LDG012	45 mm	7,5 mm
LDG013	50,5 mm	7,5 mm
LDG014	60 mm	9,5 mm
LDG015	70 mm	9,5 mm

nahita
blue

1 | Excellent chemical and physical resistance. Withstands up to 275°C.



Code	Diameter	Lenght
LDG001	8 mm	15 mm
LDG002	8 mm	20 mm
LDG003	8 mm	25 mm
LDG004	8 mm	30 mm
LDG005	8 mm	38 mm
LDG006	8 mm	40 mm
LDG007	8 mm	50 mm
LDG016	8 mm	75 mm



LDG - Octogonal magnets

Magnetic stirring-bar octagon



Code	Diameter	Lenght
LDG501	8 mm	64 mm
LDG502	9,5 mm	64 mm
LDG503	9,5 mm	51 mm
LDG504	10 mm	38 mm
LDG506	10 mm	13 mm
LDG507	8 mm	51 mm
LDG508	8 mm	41 mm
LDG509	8 mm	38 mm
LDG510	8 mm	29 mm
LDG511	8 mm	26 mm
LDG512	8 mm	22 mm
LDG513	8 mm	16 mm
LDG514	8 mm	13 mm
LDG515	10 mm	25 mm
LDG516	8 mm	13 mm



LDJ - Cross, star shape magnets

Crosshead stirring bars PTFE



Code	Diameter	Lenght
LDJ001	10 mm	8 mm
LDJ002	14 mm	10 mm
LDJ003	17 mm	13 mm



Code	Dimensions
LDJ502	19 x 19 mm
LDJ503	26 x 26 mm
LDJ504	32 x 32 mm
LDJ505	38 x 38 mm



Disc stirring bars PTFE



Code	Diameter	Lenght
LDJ004	10 mm	6 mm
LDJ005	20 mm	10 mm
LDJ006	30 mm	12 mm



LDJ - Cross, star shape magnets

Star head spin bar



Code	Dimensions
LDJ506	25 x 15 mm
LDJ507	40x17 mm

LDM - Triangle magnets

Triangular stirring bars



Kartell

1 | Product suitable for food contact.

Code	Dimensions
LDM001	5,5x12 mm
LDM002	7,5x25 mm
LDM003	8x34 mm
LDM004	10,5x50 mm

PTFE



Code	Dimensions
LDM501	10 x 35 mm
LDM502	14 x 40 mm
LDM503	14 x 45 mm
LDM504	14 x 55 mm



VITLAB

Code	Dimensions
LDM505	9,5 x 13 mm
LDM506	9,5 x 15 mm
LDM507	12,5 x 44 mm
LDM508	12,5 x 51 mm



LDP - Other magnets

▶ Stirrers for ballons PTFE

Kartell

1 | PTFE coating.

Code	Lenght	For flasks
LDP001	64 mm	0,5 L
LDP002	75 mm	1 L
LDP003	105 mm	2/3 L
LDP004	122 mm	5 L
LDP005	149 mm	12/22 L



▶ Stirring bar retrievers

Kartell

1 | PTFE coating.

Code	Lenght
LDP006	300 mm
LDP007	240 mm



▶ Magnetic balls

Kartell

1 | PTFE coating.

Code	Diameter
LDP008	12,57 mm



▶ Double ended stirring bars

Kartell

1 | PTFE coating.

Code	Diameter	Lenght
LDP009	20 mm	35 mm
LDP010	20 mm	55 mm



▶ Stirrer bar retriever

nahita
blue

1 | PTFE coating.

Code	Lenght	Tip Ø
LDP011	350 mm	10 mm
LDP013	150 mm	9 mm
LDP014	250 mm	9 mm





LDP - Other magnets

▶ Stirring magnets

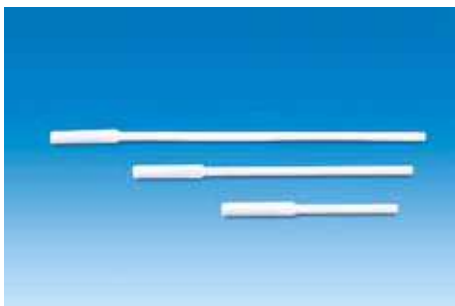


Includes:

- 14 cylindrical stirring magnets 6x4 mm, 10x4 mm, 15x5 mm, 20x7 mm, 25x8 mm, 30x8 mm, 35x8 mm, 40x8 mm, 45x8 mm, 50x8 mm, 55x8 mm, 60x10 mm, 70x10 mm, 80x10 mm
- 1 oval stirring magnet 50x8 mm
- 3 octogonal stirring magnets 20x6.5 mm, 30x7.5 mm, 40x10 mm

Code	Description
LDP012	Box with 18 various stirring magnets

▶ Magnetic stirring bar retrievers, PTFE



1 | With PTFE encapsulated magnetic core

Code	Lenght
LDP501	150 mm
LDP502	250 mm
LDP503	350 mm

▶ Magnetic stirring bar retrievers, PE



- 1 | With a permanent magnet on one end and holding ring on the other one.
- 2 | Magnet is completely encapsulated in a PE mantle

Code	Lenght
LDP504	450 mm

▶ Magnetic stirring bar retrievers, flexible, PTFE



- 1 | Due to the high flexibility, the magnet stir bar can be retrieved from inaccessible locations, e.g., from the water trap in a laboratory sink

Code	Lenght
LDP505	330 mm



LDP - Other magnets

▶ Magnetic stirring bars, barbell, PTFE



1 | With permanent magnet AlNiCo V core. Excellent centering due to the small contact surface, and effective mixing.

Code	Lenght
LDP506	35 mm
LDP507	55 mm



▶ Stir Bar "ROTORPAT".



1 | Encased in PTFE useable up to temperatures of 275 °C.

Code	Dimensions
LDP508	10 Ø x 32 mm



▶ Stir-bar retriever.



1 | Flexible, encased in PTFE.

Code	Lenght
LDP509	280 mm



▶ Box of 17 assorted stir bars



1 | Box with 17 assorted stir-bars encased in temperature resistant PTFE for temperatures up to 275 °C.

Code	LDP510
------	--------



▶ Floating magnetic stir-bar "IMANFLOTTER"



1 | Encased completely in PTFE. Dismountable structure, autoclavable.

Code	Total lenght	Stir bar lenght
LDP511	50 mm	39 mm
LDP512	60 mm	45 mm





LDP - Other magnets

▶ Concentric stir-bar with beaker cover "CENTRIMAN"



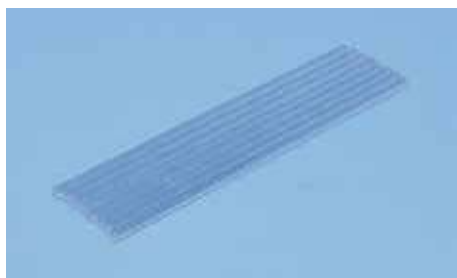
1 | Encased in PTFE with an adjustable axis bar made of AISI 304 stainless steel.

Code	Volume	Lenght
LDP513	100 - 500 mL	32 mm
LDP514	500 - 1000 mL	50 mm
LDP515	1000-2000 mL	55 mm



LDR - Stirring rods

▶ Stirring rod, solid glass



1 | Totally inert and with burned out ends
2 | Suitable for stirring all types of solutions

Code	Shape	Diameter	Lenght
LDR001	Helicoid	5 mm	200 mm
LDR002	Straight	5 mm	200 mm
LDR003	Straight	5 mm	300 mm
LDR004	Straight	6 mm	400 mm
LDR005	Straight	6 mm	500 mm

▶ Stirring rods, PVC

**Kartell**

Code	Lenght	Diameter
LDR007	250 mm	7 mm
LDR008	300 mm	7 mm
LDR009	350 mm	7 mm

▶ Policemen stirring rods

**Kartell**

1 | Spatula shaped ends.
2 | Made of polypropylene (PP).

Code	Lenght
LDR010	244 mm



LGB - Vibrating mixers for tubes

► Vortex mixer for multiple tubes 681/10



1 | For solutions contained in different recipients or several tubes at the same time.

Code	LGB001
Speed	2600 RPM
Shaking movement	Vibratory
Shaking amplitude	6,2 mm
Operation type	Continuous at fixed speed
Platform diameter	100 mm
Aprox. dimensions	150 x 130 x 140 mm
Aprox. weight.	2,3 Kg



► Multi-function vortex mixer 681/22



1 | Includes eight easily interchangeable accessories that allow shaking different types of containers

2 | Display LCD backlit.

3 | Possibility to program the time in seconds, minutes or hours

Code	LGB002
Speed	300-3000 rpm
Shaking movement	Orbital
Operation type	Continuous or by contact
Maximum shaking weight	0,5 Kg
Aprox. dimensions	210 x 150 x 65 mm
Aprox. weight	2.5 Kg



NOTE: Includes accessories, see table below



LGG001 Standard top, for test tubes and small recipients Ø 50 mm.



LGG005 Tube adapter, perforable as need



LGG002 Circular support, for foam accessories



LGG006 Adapter for 14 tubes of 10 mm



LGG003 Support for one microplate



LGG007 Adapter for 6 tubes of 12 mm



LGG004 Microdisk type adapter



LGG008 Adapter for 4 tubes of 16 mm



LGB - Vibrating mixers for tubes

▶ Vortex mixer, RSLAB-6 PRO

**RS Lab**

- 1 | Simple click adapter fixing system.
- 2 | Robust housing, metal base and specially designed rubber feet to absorb vibration.
- 3 | Eccentric wheel with bearings. Standard top LGG016 included with equipment

Code	LGB003
Speed range	0-2500 rpm
Shaking movement	Orbital
Shaking amplitude	4 mm
Operation type	Continuous / by contact
Aprox. dimensions	127 x 130 x 160 mm
Aprox. weight	3,5 Kg

▶ Shaker vibramax-100

**COMECTA**

- 1 | Wear-free continuous performance. Supplied with platform and rubber pad with edge. 0-50 °C, 80% relative humidity.

Code	LGB500
Timer	From 0 to 120' with alarm
Shaking orbital diameter mm	3 mm
Shaking frequency r.p.m.	Regulable from 150 to 1.350
Dimensions cm	12,5/24,5/31
Platform cm	22x22
Power w	31 W

▶ Shaker vibramax-110

**COMECTA**

- 1 | Wear-free continuous performance. Supplied with platform and rubber pad with edge. 0-50 °C, 80% relative humidity.

Code	LGB501
Timer	From 0 to 120' with alarm
Shaking orbital diameter mm	1,5 mm
Shaking frequency r.p.m.	Regulable from 150 to 2500
Dimensions cm	14/24/31
Platform cm	14/14
Power w	46 W

▶ Shaker Reax-top and Reax control

**COMECTA**

- 1 | Approved ambient temperature: 5 - 40 °C at 85% relative humidity.
- 2 | Overload protected motor with automatic switch-off and activation.

Code	LGB502	LGB503
Model	Reax top	Reax control
Accuracy control	Standard	± 2 %
Shaking	Circular y vibratoria	
Shaking frequency	0-2500 r.p.m	
Shaking orbital diameter	5 mm.	
Silent	< 54 dBA.	
Power	51 W	

LGB - Vibrating mixers for tubes

▶ Rocking Mixer "Vibromatic"



- 1 | Electronic control from 100 to 950 oscillations per minute. (1900 vibrations) and timer from 1 to 999 minutes or continuous operation.
- 2 | Easily detachable arms equipped with 8 clamps

Code	LGB505
Oscilations	100-950
Maximun capacity	4 Kg
Height / Width /Depth	23x77x27
Power	34 W
Weight	11 Kg



▶ Shaker MULTI-REAX



- 1 | Motor protegido por sobrecarga, con autodesconexión y activación automática.
- 2 | La última generación con control digital para la mezcla más perfecta y estable por efecto vórtex.

Code	LGB504
Shaking	Vibratory circular.
Shaking frecuency	150 a 2000 r.p.m
Shaking orbital diameter	3 mm.
Timer	0 a 999 min
Maximum load capacity	1,5 Kg
Power	50 W.
Medidas	17 x 27 x 41 cm



▶ Mixer shaker for tubes "Vortex-Vib"



- 1 | With stirring selector by pressure, or fixed in continuous.
- 2 | Starting switch, 4 interchangeable platforms for multiple tubes and 50 ml flasks.
- 3 | Base with 4 suction cups for full adherence.

Code	LGB506
Frecuency	2800 r.p.m.
Height / Width /Depth	18x12,5x18
Power	50 W
Weight	4 Kg



LGD - For microplates

▶ Shakers for platelet bags "APL-54" and "APL-108"



- 1 | Epoxy covered case with treated aluminium platform with AISI 304 stainless steel racks for bags.
- 2 | Programable stirring automatic restart and pause device for bags handling (30 ± 90 seconds). Acoustic alarm in case of power failure.

Code	LGD500	LGD501
Model	APL-54	APL-108
Nº of shelves	9	18
Capacity bags	54	108
Height / Width / Depth	40x44x39 cm	40x84x38 cm
Power	50 W	
Voltage	110 / 230 50/60 Hz	
Weight	22Kg	35 kG





LGD - For microplates

▶ RSLAB-12

RS Lab

1 | Adapter for 1 micro plate included. Other compatible adapters available.

Code	LGD001
Speed range	0-1500 rpm simple microplate 0-1000 rpm microplate double
Shaking movement	Orbital
Orbital shaking diameter	4,5 mm
Operation type	Continuous
Max shaking weight	0,5 Kg
Aprox. dimensions	260 x 150 x 80 mm
Aprox. weight	3 Kg

▶ Shakers TITRAMAX 100 and 101

COMECTA

1 | Epoxy covered case with treated aluminium platform with AISI 304 stainless steel racks for bags.

2 | Programable stirring with automatic restart and pause device for bag handling (30 ± 90 seconds). Alarm in case of power failure.

Code	LGD502	LGD503
Model	TITRAMAX 100	TITRAMAX 101
Shaking frequency	regulable from 150 to 350 r.p.m.	
Timer	from 0 to 120' with alarm	
Shaking orbital diameter	3 mm	1,5 mm
Power W	31 W	
Platform	22x22 cm	
Medidas	12,5/24,5/31 cm	12,5/32/75,5
Weight	5,5 Kg	



LGG - Accessories

▶ CHART 3: 'Accessories stirrers models RSLAB 6PRO, RSLAB 12, Reax-Top, Multi-Reax and AG-200B

	Code	Description	Model				
			RSLAB 12	RSLAB 6PRO	Reax-Top	Multi-Reax	AG-200B
	LGG009	Universal top for tube adapters. Continuous operation.					
	LGG010	Adapter for 48 PCR microtubes 6 mm.					
	LGG011	Adapter for 15 round bottom tubes 10 mm					
	LGG012	Adapter for 12 round bottom tubes 12 mm.					



LGG - Accessories

▶ **CHART 3:** 'Accessories stirrers models RSLAB 6PRO, RSLAB 12, Reax-Top, Multi-Reax and AG-200B

	Code	Description	Model				
			RSLAB 12	RSLAB 6PRO	Reax-Top	Multi-Reax	AG-200B
	LGG013	Adapter for 8 round bottom tubes 16 mm					
	LGG014	Adapter for 8 round bottom tubes 20 mm					
	LGG015	Tube holding rod from code LGG010 to LGG014 Touch operation.					
	LGG016	Standard top for tubes diameter 30 mm					
	LGG018	Antiskid platform for tubes max. diameter 99 mm					
	LGG019	Adapter 1 microplate					
	LGG020	Adapter 2 microplates					
	LGG021	Support for tube adapters					
	LGG502	Platform support for Erlenmeyer					
	LGG508	Small head top control shaker					
	LGG509	Holder 10 top control shaker					
	LGG512	Large head top control shaker					



LJB - Oscilating

► Analogic, RSLAB-15 A



1 | Includes 3 small and 3 large elastic bands Platform with anti-slip coating included.

Code	LJB002
Speed range	0 – 80 rpm
Shaking movement	Seesaw
Shaking angle	7°
Max. weight of shaking	3 Kg
Operation type	Continuous
Aprox. dimensions	330 x 270 x 130 mm
Aprox. weight.	3,2 Kg

► Digital, RSLAB-15 D



1 | Aluminium alloy platform with anti-slip coating included.
2 | Includes 8 elastic bands.

Code	LJB003
Speed range	10 – 70 rpm
Shaking movement	Seesaw
Shaking angle	9°
Max. weight of shaking	10 Kg
Operation type	Continuous or scheduled
Timer	1-1199 min
Aprox. dimensions	410 x 360 x 200 mm
Aprox. weight.	9,0 Kg

► Oscillating stirrer analogical, 683/10



1 | Platform with grooved rubber.

Code	LJB001
Speed	15 rpm
Shaking movement	Seesaw
Shaking angle	25°
Maximum shaking capacity	12 tubes
Max. tube size	20 x 170 mm
Platform material	Grooved rubber
Platform size	255 x 175 mm
Aprox. dimensions	350 x 200 x 95 mm
Aprox. weight.	2,5 Kg

► Agitador Duomax-1030 5° and 1030 10°



1 | Suitable for smooth movements and reproducible work, especially recommended for cell culture.
2 | Wear-free, quiet continuous operation. Electronic speed regulation. Motor protection with automatic overload shutdown.

Code	LJB500	LJB501
Model	1030 5°	1030 10°
Shaking frequency	2 a 50 R.P.M	
R.P.M. Display	Scale	
Timer	Switch from 0-120' o infinite	
Angle movement	5°	10°
Power	115 W	
Platform	25,8x29 cm	
Height / Width / Depth	18,5/32/37,5 cm	
Weight	8 Kg	



LJB - Oscilating

Tilting Mixer Shaker “Movil-Tub”



- 1 | Fixed speed tilting shaker mixer with removable silicon, anti slide tray.
- 2 | Recommended especially for haematology, chemistry and microbiology applications.

Code	LJB502
Tube capacity	12
Tube Ø / length	20 x 160 mm
Speed r.p.m.	15 r.p.m.
Height / Width / Depth	12 x 34 x 20 cm
Tilt angle	25°
Power	6 W
Weight	2,5 Kg



Roller and tilt mixer “Movil-Rod”



- 1 | Roll and tilt mixer with 7 rollers, double action, gently rolls the tubes while rocking, produces a sinusoidal movement, providing excellent sample homogenisation.
- 2 | Recommended for suspensions of biological and haematological fluids.

Code	LJB503
Tube Ø	35 mm
Speed r.p.m.	10-80 r.p.m.
Length rollers	24 cm
Height / Width / Depth	9,8x34,9x26,5 cm
Power	12 W
Weight	3,6 Kg



LJD - Roll and tilt

Analogic, 683



- 1 | It allows the stirring of various types of tubes with different liquid samples, viscosities or suspensions of solids where minimum ventilation is required.

Code	LJD001
Speed range	10-80 rpm
Shaking movement	Rotational
Number of rollers	7
Length de rodillos	240 mm
Aprox. dimensions	400 x 250 x 100 mm
Aprox. weight	4 Kg



Analogic, RSLAB-10



- 1 | It allows the stirring of various types of tubes with different liquid samples, viscosities or suspensions of solids where minimum ventilation is required.

Code	LJD002
Speed range	0-70 rpm
Shaking movement	Rotational and seesaw
Number of rollers	6
Operation type	Continuous
Weight de agitación máxima	4 Kg
Aprox. dimensions	450 x 260 x 120mm
Aprox. weight.	4,5 Kg





LJG - Rotative

▶ Analogical multiposition, RSLAB-9



RS Lab

- 1 | Rotor capacity of the "disc" model: 48 x 1.5mL, 16 x 15mL and 8 x 50mL
- 2 | The "roisserie" model is supplied with 36 x 1.5mL, 12 x 15mL and 12 x 50mL adapters

Code	LJG002	LJG001
Model	RSLAB-9 Disc	RSLAB-9 Rotisserie
Speed range	0 – 80 rpm	
Shaking movement	Rotational	
Operation type	Continuous	
Aprox. dimensions	300x220x310 mm	530x150x190 mm
Aprox. weight	2,0 Kg	1,7 Kg

▶ Rotator "Orbit"



- 1 | Rotation Speed: 12 r.p.m.
- 2 | Adjustable rotation angle axis from vertical to horizontal.
- 3 | An elastic shaft drive and clip supports permit the flasks and tubes to be loaded and unloaded while the motor is running.

Code	LJG500
Speed range	Fixed 12 r.p.m.
Height / Width / Depth	19 x 23 x 20 cm
Power	15 W
Weight	6 Kg

▶ Digital multiposition, RSLAB-9

RS Lab



- 1 | Rolling action (end-over-end)
- 2 | The model 9 digital disc is supplied with the disc type accessory for 8 tubes of 50 ml (ref. LJJ009).
- 3 | The model 9 digital roisserie is supplied with the vertical roaster accessory for 16 tubes of 50 ml (ref. LJJ006).

Code	LJG004	LJG003
Model	RSLAB-9 digital disc	RSLAB-9 digital roisserie
Display	LCD	
Speed range	10-70 rpm	
Shaking movement	Rotational	
Shaking angle	Ajustable from 0° to 90°	
Operation type	Continuous or scheduled	
Timer	1 - 1199 min	
Aprox. dimensions	510 x 190 x 260 mm	
Aprox. weight.	8,0 Kg	



LJJ - Rotative, accessories

CHART 4: 'Accessories magnetic stirrers, DIGITAL RSLAB 9'

	Code	Description	Digital models		
			RSLAB 9 'disc'	RSLAB 9 "Rotisserie"	Orbit
	LJJ001	Accessory type horizontal rotisserie for 48 tubes of 1,5 mL			
	LJJ002	Accessory type horizontal rotisserie for 24 tubes of 15 mL			
	LJJ003	Accessory type horizontal rotisserie for 24 tubes of 50 mL			
	LJJ004	Accessory type vertical rotisserie for 32 tubes of 1,5 mL			
	LJJ005	Accessory type vertical rotisserie for 16 tubes of 15 mL			
	LJJ006	Accessory type rotisserie for 16 tubes of 50 mL			
	LJJ007	Accessories type disc for 60 tubes of 1,5 mL			
	LJJ008	Accessories type disc for 16 tubes of 15 mL			
	LJJ009	Accessories type disc for 8 tubes of 50 mL			
	LJJ010	4 support rods to integrate a second disc type support			
	LJJ501 LJJ507 LJJ508	8 x 50 ml Erlenmeyer flasks 5 x 250ml Erlenmeyer flasks 6 x 100ml Erlenmeyer flasks			
	LJJ500 LJJ502 LJJ503 LJJ504 LJJ505 LJJ506	35 tubes from 6 to 9 mm Ø 17 tubes from 23 to 28 mm Ø 18 tubes from 21 to 24 mm Ø 22 tubes from 17 to 20 mm Ø 25 tubes from 14 to 16 mm Ø 30 tubes from 10 to 13 mm Ø			



LJL - 3 D

▶ Analogic, RSLAB-14 A

**RS Lab**

1 | Platform with anti-slip coating included. Includes 3 small and 3 large elastic bands

Code	LJL001
Type of movement	Orbital 3D
Shaking angle	7°
Speed range	0 – 80 rpm
Operation type	Continuous
Max. weight of shaking	3 Kg
Platform material	Coated aluminium alloy
Aprox. dimensions	330 x 270 x 130 mm
Aprox. weight.	3,2 Kg

▶ Shaker POLYMAX-2040 5° and 2040 10°

**COMECTA**

- 1 | Asymmetrical shaking, suitable for intensive mixing in a gentle and smooth way.
 2 | The three dimensions of movement make its field of application in complicated test projections with plate samples.
 3 | Wearless, noiseless continuous operation.

Code	LJL500	LJL501
Model	2040 5°	2040 10°
R.P.M. Display	Digital	
Timer	Switch from 0-120' o infinite	
Angle movement	5°	10°
Power	66 W	
Platform	34x39 cm	
Dimensions	20,8/41,5/45,5 cm	
Weight	16 Kg	

▶ Shaker POLYMAX-1040 5° and 1040 10°

**COMECTA**

- 1 | Asymmetrical shaking, suitable for intensive mixing in a gentle and smooth way.
 2 | The three dimensions of movement make its field of application in complicated test projections with plate samples.
 3 | Wearless, noiseless continuous operation.

Code	LJL502	LJL503
Model	1040 5°	1040 10°
R.P.M. Display	Scale	
Timer	Switch from 0-120' o infinite	
Angle movement	5°	10°
Power	25 W	
Platform	25,8 x 29 cm	
Height / Width / Depth	19,5/32/37,5 cm	
Weight	8 Kg	



LJL - 3 D

▶ Digital, RSLAB-14 D

RS Lab

1 | Supplied with platform with 8 elastic bands. Platform with anti-slip coating included.

Code	LJL002
Type of movement	Orbital 3D
Shaking angle	9°
Speed range	10 – 70 rpm
Operation type	Continuous or scheduled
Timer	1 - 1199 min
Max. weight of shaking	5 Kg
Platform material	Coated aluminium alloy
Aprox. dimensions	430 x 360 x 106 mm
Aprox. weight.	9,0 Kg



LJN - Orbitales

▶ Digital, Nahita Blue 685/2

nahita
blue

1 | LCD display. Platform with anti-slip rubber. Continuous or programmed operation.

Code	LJN001
Speed range	30-240 rpm
Shaking movement	Orbital
Diameter orbital de agitación	24 mm
Timer	5h 59min 59s
Max. weight of shaking	15 Kg
Tamaño de plataforma	310 x 282 mm
Aprox. dimensions	380 x 280 x 150 mm
Aprox. weight.	9,5 Kg



▶ Analogic, RSLAB-7 A

RS Lab

1 | Platform with anti-slip coating included. Includes 3 small and 3 large elastic bands.

Code	LJN002
Speed range	0-200 rpm
Type of movement	Orbital
Diameter orbital de agitación	20 mm
Operation type	Continuous
Max. weight of shaking	3 Kg
Aprox. dimensions	330 x 270 x 110 mm
Aprox. weight	3,1 Kg



▶ Digital, RSLAB-7 D

RS Lab

1 | Plate with 3 bars included. Detection and protection system in case the maximum speed is exceeded. Control from PC via RS232 interface.

Code	LJN003
Display	LCD
Speed range	100-800 rpm
Type of movement	Orbital
Diameter orbital de agitación	4 mm
Operation type	Continuous or scheduled
Max. weight of shaking	2,5 Kg
Timer	1 - 1199 min
Aprox. dimensions	340 x 300 x 100 mm
Aprox. weight	8,1 Kg





LJN - Orbitales

Digital, RSLAB-7 PRO



- 1 | Plate with 4 bars included. Maintenance-free brushless motor.
- 2 | Detection and protection system in case the maximum speed is exceeded.
- 3 | Control from PC via RS232 interface.

Code	LJN004
Display	LCD
Speed range	100-500 rpm
Type of movement	Orbital
Diameter orbital de agitación	10 mm
Max. weight of shaking	7,5 Kg
Operation type	Continuous or scheduled
Timer	1 - 1199 min
Aprox. dimensions	420x370x100 mm
Aprox. weight	13,5 Kg

Orbital and linear motion shaker "Rotaterm"



- 1 | Adjustable temperature range from ambient +5 °C. to 250 °C.
- 2 | Electronic 3 digit temperature display, monitored by a Pt 100 temperature probe.
- 3 | Resolution: 1 digit. Electronic digital speed control from 20 to 230 oscillations per minute and timer from 1 to 999 minutes or continuous operation.

Code	LJN500
Platform	Spring clip
Platform dimensions	41 x 31 cm
Height / Width /Depth	30 x 46 x 38 cm
Power	2300 W
Weight	32 Kg

Orbital and horizontal shaker "Rotabit"



- 1 | Speed control from 20 to 230 oscillations per minute with timer from 1 to 999 minutes or continuous operation. Shaking amplitude of: 15 and 20 mm.
- 2 | Choice of orbital movement or a horizontal "To and Fro" motion.

Code	LJN501
Control oscillations	20-230 p.m.
Height / Width /Depth	20 x 42 x 43 cm
Power	80 W
Load capacity	30 Kg
Weight	13,5 Kg

Shaker UNIMAX 2010 and 1010



Code: LJN502

Code: LJN503

- 1 | Circular rotation shaking suitable for soft and energetic movements.
- 2 | Permissible ambient temperature: 0 to 50 °C, 80%.

Code	LJN502	LJN503
Model	2010	1010
Shaking frequency	20 a 400 r.p.m	30-500 r.p.m
Timer	Switch from 0-120' o infinite	Digital 0-999' o infinite
Rotation range	20 mm	10 MM
Power	115 W	50 W
Platform	340 x 390 mm	258 x 290 mm
Max. weight	10 Kg	5 Kg
Height / Width /Depth	13,5/42,6/43,5 cm	12,5/32/37,5 cm
Weight	16 Kg	8 Kg
Degree of protection	IP 20	IP40



LJN - Orbitales

Orbital shaker AG-200

COMECTA

1 | Outdoor furniture in ABS with an adaptive platform for the different models. Capacity for 4 petri dishes.

Code	LJN504
Rotation frequency	50-250 r.p.m.
Timer	1 min a 99h 59 min.
Max. weight of shaking	2,5 Kg
Rotation range	20 mm
Power	50 W
Weight	7 Kg



Orbital shaker AG-200-A

COMECTA

1 | Outdoor furniture in ABS with an adaptive platform for the different models.
2 | With anti-slip rubber platform of 26 cm width and 22 cm depth, with 3 rubber covered fastening bars that allow to hold all kind of glass containers, Erlenmeyers, flasks, jars, etc.

Code	LJN505
Rotation frequency	50-250 r.p.m.
Timer	1 min a 99h 59 min.
Max. weight of shaking	2,5 Kg
Rotation range	20 mm
Power	50 W
Weight	8 Kg



Orbital shaker AG-200-B

COMECTA

1 | Outdoor furniture in ABS with an adaptive platform for the different models.
2 | With base in treated aluminium of 27 cm. wide and 22 cm. deep with multiadaptor holes to hold adapters for erlenmeyer flasks, with capacities from 50ml. to 2000ml.

Code	LJN506
Rotation frequency	50-250 r.p.m.
Timer	1 min a 99h 59 min.
Max. weight of shaking	2,5 Kg
Rotation range	20 mm
Power	50 W
Weight	8 Kg



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LJQ - Linear

Analogic, RSLAB-7 A

RS Lab

1 | Platform with anti-slip coating included. Includes 3 small and 3 large elastic bands.

Code	LJQ001
Speed range	0-200 rpm
Type of movement	Linear
Operation type	Continuous
Max. weight of shaking	3 Kg
Aprox. dimensions	330 x 270 x 110 mm
Aprox. weight.	3,1 Kg





LJQ - Linear

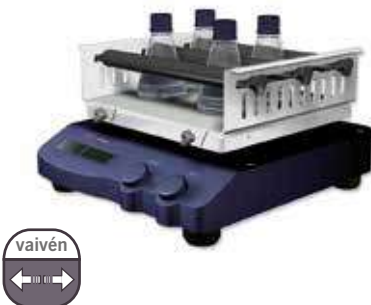
Digital, RSLAB-7 D



- 1 | Plate with 3 bars included. Maintenance-free brushless motor.
- 2 | Detection and protection system in case the maximum speed is exceeded.
- 3 | Control from PC via RS232 interface.

Code	LJQ002
Display	LCD
Speed range	100-350 rpm
Type of movement	Linear
Operation type	Continuous or scheduled
Max. weight of shaking	2,5 Kg
Timer	1 - 1199 min
Aprox. dimensions	340 x 300 x 100
Aprox. weight	8,1 Kg

Digital, RSLAB-7 PRO



- 1 | Plate with 4 bars included. Maintenance-free brushless motor.
- 2 | Detection and protection system in case the maximum speed is exceeded.
- 3 | Control from PC via RS232 interface.

Code	LJQ003
Display	LCD
Speed range	100-350 rpm
Type of movement	Linear
Max. weight of shaking	7,5 Kg
Operation type	Continuous or scheduled
Timer	1 - 1199 min
Aprox. dimensions	420x370x100 mm
Aprox. weight.	13,5 Kg

Shaker PROMAX 2020



- 1 | Shaking linear type, suitable for thorough mixing in reciprocal stirring movements
- 2 | Electronic speed regulation with digital r.p.m. display

Code	LJQ500
Shaking frequency	20 a 400 r.p.m
Timer	Conmutador 0-120' o infinito
Rotation range	20 mm
Max. weight of shaking	10 Kg
Alto/Ancho/Fondol	13,5/42,6/43,5 cm
Weight	16 Kg
Degree of protection	IP 20

Shaker PROMAX 1020



- 1 | Shaking linear type, suitable for thorough mixing in reciprocal stirring movements
- 2 | Electronic speed regulation with digital r.p.m. display

Code	LJQ501
Model	1020
Shaking frequency	30 a 250 r.p.m
Timer	Digital 0-999' or infinite
Rotation range	32 mm
Platform	25,8 x 29 cm
Max. weight of shaking	5 Kg
Height / Width /Depth	12,5/32/37,5 cm
Weight	8 Kg
Degree of protection	IP 40



LJS - Orbital and linear - accessories

	Code	Description	7	7-D	14-A	15-A	7-pro	14-D	15-D	Model	Rotabit	Unimax	Promax	Duomax	Polymax	Incubator 1000	
	LJS006	Universal bar for plate with 3 bars															
	LJS007	Universal bar for plate with 4 bars															
	LJS008	Plate with 3 bars															
	LJS009	Erlenmeyer fixing clip attachment															
	LJS010	Plate with 4 bars															
	LJS013	Anti-slip platform Dimensions: 24x21,5 cm															
	LJS011	Erlenmeyer fixing clip attachment															
	LJS012	Platform with 8 rubbers Dimensions: 30x28,5 cm															
	LJS001	Fixing clip for Erlenmeyer flask 28 units of 25 mL 9 units of 25 mL															
	LJS002	Fixing clip for Erlenmeyer flask 16 units of 50 mL 9 units of 50 mL															
	LJS003	Fixing clip for Erlenmeyer flask 16 units of 100 mL 9 units of 100 mL															
	LJS004	Fixing clip for Erlenmeyer flask 9* units of 200/250 mL 4 units of 200/250 mL															
	LJS005	Fixing clip for Erlenmeyer flask 9* units of 500 mL 2 units of 500 mL															
	* with 3 fixing points instead of 4																

 = Accessory **included** with the indicated equipment

 = Accessory **compatible** with the indicated equipment



= Accessory included with the indicated equipment



= Accessory compatible with the indicated equipment



LJS - Orbital and linear - accessories

Code		Description	7	7-D	14-A	15-A	7-pro	14-D	15-D	Modelo						Rotabit	Unimax	Promax	Duomax	Polymax	Incubator 1000
	Adapter for Erlenmeyer flask																				
	Code	Capacity																			
	LJS504	50 mL												☐							
	LJS500	100 mL												☐							
	LJS501	250 mL												☐							
	LJS502	500 mL												☐							
LJS503	1000 mL												☐								
	LJS507	36 flasks of 50 mL												☐							
		25 flasks of 100 mL																			
		16 flasks of 250 mL																			
		9 flasks of 500 mL																			
		5 flasks of 1000 mL																			
	LJS508	66 flasks of 50 mL													☐						
		45 flasks of 100 mL																			
		21 flasks of 250 mL																			
		18 flasks of 500 mL																			
		10 flasks of 1000 mL																			
	Code	Description																			
	LJS505	9 x 42 x 35 cm, 5 Kg													☐						
	LJS506	9 x 70 x 35 cm, 7 Kg													☐						
	Code	Capacity																			
	LJS510	22 of 25 mL													☐	☐	☐	☐			
	LJS511	14 of 50 mL													☐	☐	☐	☐			
	LJS512	9 of 100 mL													☐	☐	☐	☐			
	LJS513	5 of 250 mL													☐	☐	☐	☐			
	LJS514	4 of 500 mL													☐	☐	☐	☐			
	LJS515	1000 mL													☐	☐	☐	☐			
	Code	Description																			
	LJS516	Universal fixing with 2 rollers													☐	☐	☐	☐			
	LJS517	Elastomer roller													☐	☐	☐	☐			
	Universal fixing																				
	Code	Description																			
	LJS519	Universal fixing without rollers													☐	☐	☐	☐			
	LJS527	Elastomer roller													☐	☐	☐	☐			
	Clamp for Erlenmeyer																				
	Code	Capacity																			
	LJS520	25 mL													☐	☐	☐	☐			
	LJS521	50 mL													☐	☐	☐	☐			
	LJS522	100 mL													☐	☐	☐	☐			
	LJS523	250 mL													☐	☐	☐	☐			
	LJS524	500 mL													☐	☐	☐	☐			
	LJS525	1000 mL													☐	☐	☐	☐			

= Accesorio **incluido** con el equipo indicado= Accesorio **compatible** con el equipo indicado



LJS - Orbital and linear - accessories

	Code	Description	7	7-D	14-A	15-A	7-pro	14-D	15-D	Modelo						
										Rotabit	Unimax	Promax	Duomax	Polymax	Incubator 1000	
	LJS518	Attachment for funnel of 22 of 25 mL								☐	☐	☐	☐			
	LJS529	Multi-storey assembly for 2 trays								☐	☐	☐	☐			
	LJS526	Holding for separ funnel 250, 500, 1000 mL								☐	☐	☐	☐			
	LJS528	Shelf with holes								☐	☐	☐	☐			
	LJS530	Holding for separating funnel 2000 mL								☐	☐	☐	☐			
	LJS531	Universal attachment with rollers								☐	☐	☐	☐			



LLB - Stirring heads

► Analogic, Nahita 686



- 1 | For stirring low/medium viscosity liquids and liquids with solids in suspension.
- 2 | Model 686/1 is supplied with two paddle-type rods (diameters 10 and 30 mm), support bar and anti-slip base.
- 3 | Model 686/2 is supplied with two paddle-type rods (one 60 mm diameter and one 40 mm diameter with four holes), support bar and anti-slip base.

Code	LLB001	LLB002
Model	686/1	686/2
Speed range	200-1000 rpm	200-2000 rpm
Max. shaking volume	1 L	2 L
Aprox. dimensions	160x160x370 mm	160x240x500 mm
Aprox. weight	3,5 Kg	3,5 Kg



► Digital, RSLAB-13



- 1 | Anti-spill system of the sample.
- 2 | Universal holder and stirring rod not included.

Code	LLB004	LLB006
Model	RSLAB-13-20	RSLAB-13-40
Display	LED	LED
Speed range	50-2200 rpm	50-2200 rpm
Maximun volume	20 L	40 L
Max. viscosity	10000 mPas	50000 mPas
Rod dimensions	13 mm	13 mm
Aprox. dimensions	83x220x186 mm	83x220x186 mm
Aprox. weight	2,6Kg	2,8Kg





LLB - Stirring heads

► Digital, RSLAB-13 PRO



- 1 | Anti-spill system of the sample.
- 2 | Overload protection (motor stops automatically in case of continuous overload).
- 3 | PC control via RS232 interface
- 4 | Includes universal holder and cross-stirring rod.

Code	LLB003	LLB005
Model	RSLAB-13 PRO-20	RSLAB-13 PRO-40
Display	LCD	LCD
Speed range	50-2200 rpm	50-2200 rpm
Maximum volume	20 L	40 L
Max. viscosity	10000 mPas	50000 mPas
Rod dimensions	13 mm	13 mm
Aprox. dimensions	83x220x186 mm	83x220x186 mm
Aprox. weight	2,6Kg	2,8Kg

► Stirrer RZR-1



- 1 | Up to 20 L (in H₂O) max. stirring volume.
- 2 | Up to 40.000 mPas of max. stirring viscosity.
- 3 | For simple stirring requirements.

Code	LLB500
Model	RZR-1
Power	77/15 W
Speed	35-250/280-2200 rpm
Speed control	Mechanic
Max. viscosity	40.000 mPas
Rod dimensions	8 mm
Room temperature allowed	0-40 °C 95% without condensation
Aprox. weight	2,7Kg

► Overhead stirrer "SE-100"



- 1 | Excellent blending results in an accurate and repeatable control.
- 2 | Specially designed for those samples in which its viscosity changes during the process.
- 3 | Speed digital reading and pre-selection (rpm).
- 4 | Adaptable spindle to stirring rods up to 9.5 mmØ.

Code	LLB501
Max stirring volume	Up to 40 L
Max stirring viscosity	Up to 1.000.000 mPas.
Control of speed	60 to 2000 rpm.
Height/Width/Depth	17,5 x 7,5 x 13,5 cm
Power	100 W
Weight	2,8Kg



LLF - Accessories

	Code	Description	Model	
			13	13PRO
	LLF002	Stainless steel crossed stirring rod, 5x40 cm		
	LLF003	Stainless steel straight stirring rod, 6x40 cm		
	LLF004	Stainless steel blade stirring rod, 7x40 cm		
	LLF005	Stainless steel centrifuge stirring rod, 9x40 cm		
	LLF001	Universal stand		
	LLF006	PTFE crossed stirring rod , 5x35 cm		
	LLF007	PTFE straight stirring rod , 5x35 cm		
	LLF008	PTFE blade stirring rod , 7x35 cm		
	LLF009	PTFE centrifuge stirring rod , 9x35 cm		
	LLF015	PTFE crossed stirring rod , 380x69 mm		
	LLF016	PTFE straight stirring rod , 380x69 mm		

 = Accesorio **incluido** con el equipo indicado

 = Accesorio **compatible** con el equipo indicado



LLF - Accessories

	Code	Description	Model	
			13	13PRO
	LLF017	Blade stirring rod, 350x70 mm	☐	☐
	LLF018	Centrifuge rod, 250x80 mm	☐	☐
	LLF019	Centrifuge rod, 350x80 mm	☐	☐
	LLF020	Centrifuge rod, 450x80 mm	☐	☐



LNB - Non refrigerated

► Incubator orbital shaker 1102

**COMECTA**

- 1| Epoxy enamelled metal exterior cabinet.
- 2| Built with two cabinet-type doors and double glass windows that allow you to see the material on display inside.
- 3| Two removable upper trays for storage in the lower tray of large volume Erlenmeyer. Adjustable outlet hole for the air inside the enclosure.

Code	LNB500
Speed range	From 30 to 300 r.p.m.
Control speed steps	1 r.p.m.
Refrigeration	No
Temp. range	RT + 5° up to 60°
Platform dimensions	734 x 458 mm
Dimensions	1440x950x700 mm
Power	930 W
Weight	265 Kg



LNG - Accessories

► Erlenmeyer adapters

**COMECTA**

Code	Capacity
LNG500	50 mL
LNG501	100 mL
LNG502	250 mL
LNG503	500 mL
LNG504	1000 mL
LNG505	2000 mL
LNG506	3000 mL
LNG507	5000 mL