

COMECTA High volume orbital shaker incubators

FAN AIR CIRCULATED, WITH OR WITHOUT REFRIGERATION
DIGITAL ELECTRONIC CONTROL OF SPEED, TEMPERATURE AND TIME. FOR LONG OPERATING PERIODS.



SAFETY:

TRIPLE PROTECTION MOTOR DRIVE:
OVER TEMPERATURE, IRREGULAR MOVEMENTS, AUTOMATIC STOP WHEN THE DOOR IS OPENED, TEMPERATURE ALARM, THERMAL CUTOUT.



Hinged door model with refrigeration



Framework type models with or without refrigeration

GENERAL FEATURES

Metallic external case epoxy-coated.
Current and set digital reading of temperature, time and speed parameters.
Acoustic alarm and illuminated indicator at the end of the cycle and also to indicate temperature and / or time programs errors.
Automatic switch off mechanism when the shaker door is opened.
Motor over load protection, with automatic switch off activation.
Induction drive motor, where the drive mechanism has an anti vibration system.
Refrigerated models have a hermetically sealed compressor unit with a ventilated condenser.
Internal case made of stainless steel AISI 316 with polished finish and glazed door for a handy visibility of the samples process.
Internal platform with multi-adapter positions for differing accessories, such as: conical flask adapters, microtitre plate holders and universal tray with adjustable tension springs for other non standard sized vessels.

HINGED DOOR MODELS "S100D" AND "S200D"

Temperated glass hinged door.
The orbital rotation can be adjusted without disassembly from 50mm.

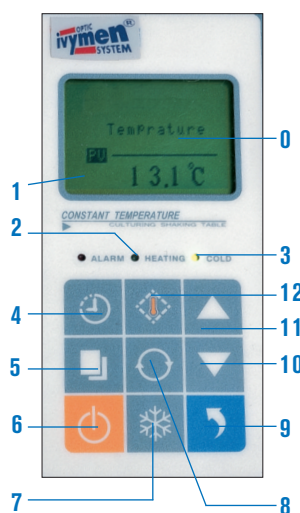


Orbital rotation adjustment

MODELS FRAMEWORK TYPE "S1102" AND "S2102"

Made with two doors framework type and double glass windows which allow visibility of the material exposed in the inside
Two removable upper trays for high volume Erlenmeyer flasks accommodation in the lower tray.
Adjustable outlet hole for the air in the inside of the chamber.
Amplitude of oscilation: 25mm.
With wheels for movements and adjustable support for a stabled fixing.
Accessories: See pag. 41

CONTROL PANEL



0. LCD Display.
1. Heater "ON" indicator.
2. Alarm indicator.
3. Refrigeration compressor "ON" indicator. (only refrigerated models)
4. Time function push button.
5. Modify and confirm push button.
6. Start / Stop Push button.
7. Adjust temperature push button. (only refrigerated models)
8. Speed push button.
9. Rotation push button.
10. Reduce value push button.
11. Increase value push button.
12. Temperature push button.

Note: In models framework type, the control panel position is horizontal.



S1000 serie.



S2000 serie.



S1102 and S2102 series.

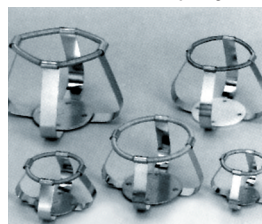
MODELS	S100D	S200D	S1102	S2102
Part No.	5312130	5312131	5312132	5312133
Rotation amplitude	Continuous adjustment from 0 to 50 mm orbital		25 mm	
Controllable speed range	from 30 to 400 r.p.m.	from 30 to 400 r.p.m.	from 40 to 300 r.p.m.	from 40 to 300 r.p.m.
Controllable speed in steps of	1 r.p.m.	1 r.p.m.	1 r.p.m.	1 r.p.m.
Refrigeration	No	Yes	No	Yes
Heating	Yes	Yes	Yes	Yes
Controllable temperature range	from ambient +5 °C to 60 °C	from 5 °C up to 60 °C	from ambient +5 °C to 60 °C	from 6 °C up to 60 °C
Controllable temperature in steps of	0.1 °C	0.1 °C	0.1 °C	0.1 °C
Chamber temperature uniformity	±1 °C	±1 °C	±1 °C	±1 °C
Timer	from 0 to 500 hours	from 0 to 500 hours	from 0 to 500 hours	from 0 to 500 hours
Usable platform dimensions	370 x 400 mm	420 x 380 mm	734 x 458 mm	734 x 458 mm
Platform number	1	1	2	2
Maximum conical flask capacity (see accessories)	6 x 1000 ml, or 9 x 500 ml, or 12 x 250 ml, or 16 x 100 ml, or 20 x 50ml	9 x 1000 ml, or 9 x 500 ml, or 16 x 250 ml, or 20 x 100 ml, or 25 x 50 ml	*4 x 5000 ml, or *8 x 3000 ml, or *8 x 2000ml, or 24 x 1000 ml, or 44 x 500 ml, or 56 x 250 ml, or 104 x 100 ml, or 104 x 50 ml	
Dimensions Height x Width x Depth	610 x 610 x 510 mm	700 x 740 x 560 mm	1440 x 950 x 700 mm	1440 x 950 x 700 mm
Weight	72 Kg	100 Kg	200 Kg	235 Kg
Power	490 W	580 W	930 W	1200 W

*Note: An upper tray divided into two removable pieces which allow high volume Erlenmeyer flasks accommodation, from 2000 to 5000 ml. in the lower tray or the Universal platform which is supplied as an accessory.

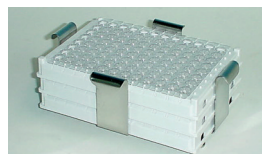
ACCESSORIES

Erlenmeyer and flask adapters.

Made from hardened sprung stainless steel.

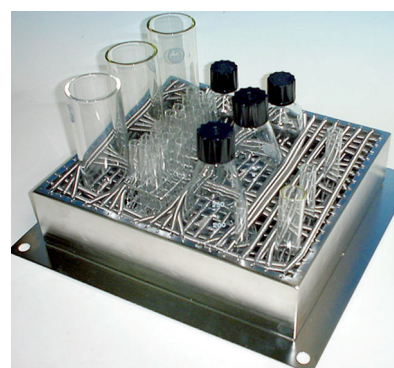


- Part No. **5312105** Adapter for 50 ml
- Part No. **5312106** Adapter for 100 ml
- Part No. **5312107** Adapter for 250 ml
- Part No. **5312108** Adapter for 500 ml
- Part No. **5312109** Adapter for 1000 ml
- Part No. **5312110** Adapter for 2000 ml
- Part No. **5312111** Adapter for 3000 ml
- Part No. **5312112** Adapter for 5000 ml



Adapter for microtiter holder
From 85 x 130 mm., allows up to 3 plates in models S100D and S200D, and up to 6 plates in models 1102 and 2102.
Part No. **5312113**

Universal platform tray with elastic tension clips that hold in position any type of vessel, flasks, beakers, racks, etc.



For model **S100D**
Dimensions 400 x 370 x 80 mm
Part No. **5312134**

For model **S200D**
Dimensions 420 x 400 x 80 mm
Part No. **5312135**

For models **S1102** and **S2102**
Dimensions 780 x 480 x 80 mm
Part No. **5312136**