

**MODEL D-1102 FOR ADJUSTABLE TEMPERATURES FROM AMBIENT +4°C UP TO 60°C.**  
**MODEL D-2102 REFRIGERATED FOR ADJUSTABLE TEMPERATURES FROM 4°C UP TO 60°C.**  
**FAN AIR CIRCULATED, WITH OR WITHOUT REFRIGERATION.**  
**DIGITAL ELECTRONIC CONTROL OF SPEED, TEMPERATURE AND TIME. FOR LONG OPERATING PERIODS.**

## APPLICATIONS

For use in cell and bacterial cultures, fermentation technology, etc...  
 It is widely used in research institutions, universities, epidemiological prevention centres, doping tests, agriculture and molecular biology.

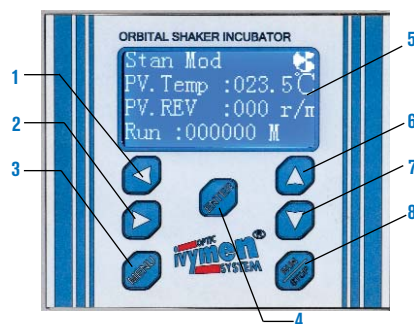
## FEATURES

Metallic external case epoxy-coated.  
 Current and set digital reading of temperature, time and speed parameters. Acoustic alarm and illuminated indicator of end of cycle and also of malfunction in programmed temperatures &/or time. Automatic switch off protection mechanism in case the door is opened.  
 Motor overload protection with automatic switch off and activation.  
 Compact unit with brushless motor assembly built-in over an anti-vibration mount and hermetic compressor group with aired condenser in models with refrigeration.  
 Case with methacrylate lid for an easy viewing of sample processes. Internal platform with multi-adaptor positions to different accessories, such as: adapters for Erlenmeyer, microtiter plates or universal tray with adjustable tension springs for vessels of different sizes.



MODEL	D-1102	D-2102
Part No.	<b>5312096</b>	<b>5312097</b>
Rotation amplitude	<b>25 mm</b>	<b>25 mm</b>
Controllable speed range	<b>from 25 to 300 r.p.m.</b>	<b>from 25 to 300 r.p.m.</b>
Controllable speed in steps of	<b>1 r.p.m.</b>	<b>1 r.p.m.</b>
Refrigeration	<b>No</b>	<b>Yes</b>
Heating	<b>Yes</b>	<b>Yes</b>
Controllable temperature range	<b>From ambient +4 °C up to 60 °C</b>	<b>From ambient 4 °C up to 60 °C</b>
Controllable temperature in steps of	<b>0.1 °C</b>	<b>0.1 °C</b>
Chamber temperature uniformity	<b>±1 °C</b>	<b>±1 °C</b>
Timer	<b>From 0 to 999 hours</b>	<b>From 0 to 999 hours</b>
Usable platforms dimensions	<b>460 x 460 mm</b>	<b>460 x 460 mm</b>
Platforms number	<b>1</b>	<b>1</b>
Erlenmeyers maximum capacity (see accessories)	<b>9 x 1000 ml or 9 x 500 ml or 16 x 250 ml, or 20 x 100 ml or 25 x 50 ml</b>	
Height x Width x Depth	<b>620 x 630 x 840 mm</b>	<b>620 x 630 x 840 mm</b>
Weight	<b>76 Kg</b>	<b>98 Kg</b>
Power	<b>800 W</b>	<b>800 W</b>
Power supply	<b>220v/50-60Hz</b>	

## CONTROL PANEL



1. Left push button.
2. Right push button.
3. Menu selection push button.
4. Enter push button.
5. Alphanumeric screen.
6. Increase value push button.
7. Reduce value push button.
8. Start/Stop push button.

## ACCESSORIES Erlenmeyer flasks adapters.

Built-in stainless steel with upper spring.



- 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



**Adapter for microtiter holder**  
 From 85 x 130 mm, allows up to 6 plates.  
 Part No. **5312113**