

Vacuum drying oven EV-50

TOUCH
SCREEN

RAYPANet

Intended use

Materials that require effective drying and are sensitive to heat such as electronic components, food, small components, pharmaceuticals and chemicals.

EV-50

Features

- Vacuum drying.
- Temperature range from +35°C to 200°C.
- Heating by electric elements mounted in an independent chamber for optimum temperature homogeneity and stability, vacuum by a double stage oil sealed rotary vane pump integrated with a 0.1µm filter and a 2l capacity decanter.
- Temperature and time controlled by digital PID microprocessor, with 10 editable programs of customizable name, programmable with up to 10 temperature/time segments.
- Timer start and Timer stop adjustable by date, hour and minute.
- Intuitive alphanumeric touchscreen user interface that displays time, temperature and cycles in graphs, has audiovisual alarms and advanced cycle and timer programming.
- Ethernet connection that allows the use of the online **RAYPAnet** platform to view and export cycles, generate reports and simultaneously manage different equipment.
- Temperature probe Pt100 A class.
- Standard rear adjustable aeration device plus lateral in DAF-43/78/135 or superior in DAF-250/425/635 for moisture evacuation and external probe access.
- External metallic frame with epoxy resin coating.
- Safety double glass against implosions.
- Inner chamber and inner side door made of stainless steel AISI-304.
- Double insulated walls and door with low conductivity glass wool.
- Silicone sealing gasket.

Safety

- Safety double glass against implosions.
- Audiovisual security alarms: end of cycle, probe failure, heating error, overheating and temperature out of range.
- Adjustable class 2 safety hydraulic thermostat.
- Stainless steel interior and corrosion-resistant, easy to clean exterior that remains at safe temperature without overheating.
- Door lock protects samples from unauthorized access (optional accessory: MCLL).
- Homogeneity and temperature stability according to DIN 12880 regulation.
- Safety according to EN 61010-1 and EN 61010-2-010 regulations.

Supplied with:

- 2 perforated removable trays made of aluminium with galvanic treatment.
- Access to the online platform RAYPAnet.

Referencia Reference Référence	Capacidad Capacity Capacité l	Estabilidad Stability Stabilité °C	Homogeneidad Homogeneity Homogénéité °C	INTERIOR L x D x H mm	EXTERIOR L x D x H mm	Potencia Power Puissance W	Tensión* Voltage Voltage V	Peso Weight Poids Kg
EV-50	50	±1	±5	420 x 350 x 348	580 x 570 x 650	1500	230	82

* También disponible en 115 V de tensión / Also available with a voltage of 115 V / Également disponible avec 115 V.

EV-50

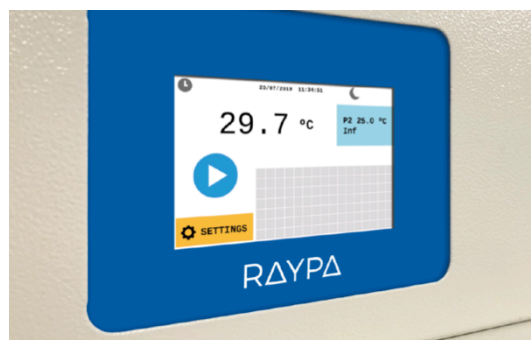
RAYPAnet - new online data processing platform

- All incubation and drying equipment have a Ethernet connection that allows the use of the RAYPAnet online platform on a PC to view and export all the information of the cycles with graphs and all the relevant data, with the ability to export data reports.
- All cycle data can be viewed on the platform in real time or through the cycle history registry. Furthermore, all data can be exported in .csv and .pdf file formats for later consultation, study and storage.
- The platform is compatible with all web browsers and multiple equipment can be connected and controlled simultaneously.



New microprocessor for all incubation and drying equipment

- Intuitive alphanumeric user interface through a 3,5' LCD touchscreen that allows the display of time, temperature and cycle evolution in graphic format in real time.
- Compatible with Celsius or Fahrenheit scales with a resolution of 0.1°C/°F.
- Capable of advanced cycle and timer programming, with up to 10 preset programs editable in parameters and name, programmable at a fixed temperature during an infinite time or with up to 10 time and temperature segments. Timer start and timer stop customizable by date and time.
- Audiovisual security alarms for cycle finalization, probe failure, heating error, overheating and temperature out of range.

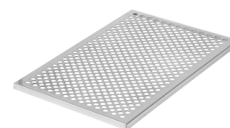


EV-50

Accessories

BANDEJAS PERFORADAS EN ALUMINIO GALVANIZADO / GALVANIZED ALUMINUM PERFORATED TRAYS / PLATEAUX PERFORÉS EN ALUMINIUM GALVANISÉ

Referencia Reference Référence	Para estufas For ovens Pour étuves	Número máx. de bandejas Max. number of trays Nº max. d'plateaux	Dimensiones Dimensions Ø x H mm
BEV-50	EV-50	6	412 x 310



MANETA CON LLAVE

- La puerta con cerradura protege las muestras frente al acceso no autorizado.

Referencia: **MCLL**

LOCKABLE HANDLE

- Lockable door protects samples from unauthorized access.

Reference: **MCLL**

POIGNÉE VERROUILLABLE

- La porte verrouillable protège les échantillons contre tout accès non autorisé.

Référence: **MCLL**



CONJUNTO DE GENERACIÓN DE VACÍO PARA EV-50

- Compuesto por 3 partes: decantador, filtro y bomba de vacío.
- Incluye 2 metros de tubo de silicona (Ø 8 x 14 mm).

Referencia: **VGS**

• Disponible bajo pedido especial la adaptación del set VGS para **salas limpias**.

VACUUM GENERATION SET FOR EV-50

- System of 3 parts: settling vessel, filter and vacuum pump.
- Includes 2 meters of silicone tube (Ø 8 x 14 mm).

Reference: **VGS**

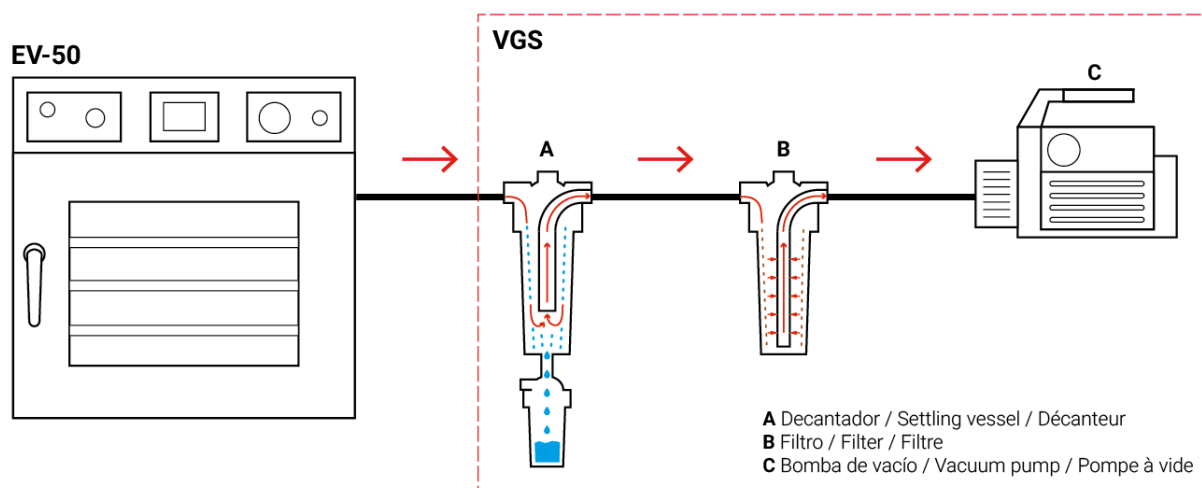
• **Clean room** VGS adaptation available under special request.

KIT DE GÉNÉRATION DE VIDE POUR EV-50

- Il comporte 3 parties: décanteur, filtre et pompe à vide.
- Comprend 2 mètres de tube en silicone (Ø 8 x 14 mm).

Référence: **VGS**

• Adaptation VGS **salle blanche** disponible sur demande spéciale.



EV-50

Accessories

Parts of VGS vacuum generation set:

DECANTADOR / SETTLING VESSEL / DÉCANTEUR

Conexión Connection Connexion	Capacidad Capacity Capacité l	Caudal Flow Débit m³/H	Dimensiones Dimensions Dimensions Ø x H mm
1"	2	72	150 x 550
<ul style="list-style-type: none"> • Decantador de gran capacidad de almacenamiento. • Sistema de sujeción mediante varilla central para una fijación y estanqueidad segura. • Sistema de vaciado sin interrupción del suministro de vacío (decantador). • Settling vessel with large storage capacity. • Fastening system by central rod for attachment and reliable sealing. • Emptying system without interruption of the vacuum supply (settling vessel). • Décanneur avec grande capacité de stockage. • Système de fixation par tige centrale pour la fixation et une étanchéité fiable. • Système de vidange sans interruption de l'alimentation en vide (décanneur). 			



FILTRO / FILTER / FILTRE

Conexión Connection Connexion	Dimensiones Dimensions Dimensions Ø x H mm
3/4" GAS	132 x 313
<ul style="list-style-type: none"> • Elementos filtrantes con un grado de filtración de 0,1 micra. • Sistema de sujeción mediante varilla central para una fijación y estanqueidad segura. • Filtering elements with a filtration capacity of 0.1 micron. • Fastening system by central rod for attachment and reliable sealing. • Éléments filtrants avec un degré de filtration de 0,1 micron. • Système de fixation par tige centrale pour la fixation et une étanchéité fiable. 	



BOMBA DE VACÍO / VACUUM PUMP / POMPE À VIDE

Caudal Flow Débit l/min	Vacío final Ultimate vacuum Vide ultime mbar	Dimensiones Dimensions Dimensions L x D x H mm	Potencia Power Puissance W	Peso Weight Poids Kg
70	0,002	285 x 124 x 230	186	7,1
<ul style="list-style-type: none"> • Bomba de vacío de 2 tiempos con vacuómetro y válvula antirretorno para evitar el reflujo del aceite. • Mango ergonómico con protección para un agarre más cómodo. • Visor con indicador de nivel de aceite y sistema de drenaje de aceite para un vaciado sencillo. • Two-stage vacuum pump with vacuum gauge and non-return valve to protect the system from oil contamination. • Ergonomic handle with protection, for a more comfortable grip. • Visor with oil level indicator and oil drain system for easy emptying. • Pompe à vide 2 temps avec manomètre à vide et clapet anti-retour pour empêcher le reflux d'huile. • Poignée ergonomique avec protection pour une prise en main plus confortable. • Visière avec indicateur de niveau d'huile et système de vidange d'huile pour une vidange facile. 				



CARTUCHO RECAMBIO

Referencia: **FIL-VAC-C**

REPLACEMENT CARTRIDGE

Reference: **FIL-VAC-C**

CARTOUCHE DE RECHANGE

Référence: **FIL-VAC-C**

