



## VACUUM OVEN BEV1C3 (BOVA-201)

# VACUUM OVEN BEV1C3

## VACUUM DRYING OVEN

Vacuum Drying Oven designed for drying heat-sensitive and easily oxidized substances, especially suitable for powder or granular samples, and effectively reducing the drying time, which is used in biopharmaceutical, medical utilities, agricultural research and other fields.

Vacuum Drying Oven adopts cavity preheating technology, and S.H-Transfer Shelf heat transfer advanced patented technologies, to ensure the smooth progress of the experiment and culture of the sample.

Adopt valve electronic control technology, combined with automatic CNC vacuum, make operation more convenient, greater accuracy.

IQ, OQ, PQ and other related certification services.

CE certification. Two-year warranty period.



### Cavity Warm-up Technology

The advanced cavity preheat technology is the heating elements evenly distributed around the inner chamber, the pre-heating of the cavity inner wall, and then through the heat transfer and forced-fan convection, so that the cavity temperature of every point can accurately achieve and maintain setting value, thus ensuring uniform distribution of cavity temperature;

With uniform distribution of heat, so low energy consumption, heat is not easily lost, and enables customers to use cost reduction.

Programmable PID Control

Integrated, dot-matrix LCD display, Chinese and English subtitles, all parameters would be clear at a glance

User-friendly design. Display parameters: temperature, vacuum, cycle, run time,

## SPECIFICATIONS

Model	BEV1C3
Old Model	BOVA-201
Control System	10-segment programmable microcomputer PID intelligent automatic control system
Vacuum Degree display	Digital display
Vacuum degree control	Electronic automatic control
Temp. Range (°C)	RT+5°C~250°C
Temperature resolution (°C)	±0.1
Temp. Fluctuation (°C) (RT+10°C~240°C)	±0.5
Timer Range	0~99h, or 0~9999min, can be chose
Working environment	Ambient temperature: 10~30°C, Humidity<70%
Insulation materials	Imported environmental protection type material
External Dimensions (HxWxD) mm	695x545x480
Internal Dimensions (HxWxD) mm	285x258x315
Interior Volume (L)	23
Interior materials	SUS304 stainless steel inner
Standard tray number	2
Power (W)	850
Supply voltage	Single phase AC220V/50Hz
Net weight (KG)	35
Shipping weight (KG)	38
Packing size (HxWxD) mm	820x625x600
Alt Name	Vacuum Drying Oven(High-end Configuration)



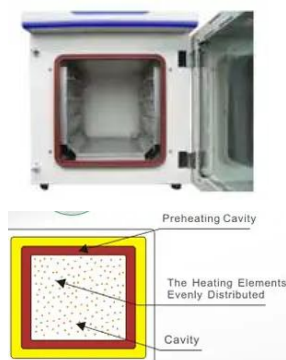
## ACCESSORIES FOR PURCHASE

No	Name
1	Portable printer
2	Gas interface
3	Software
4	Vacuum pump.

## FEATURES

### Cavity Warm-up Technology

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### Programmable PID Control

Integrated, dot-matrix LCD display, Chinese and English subtitles, all parameters would be clear at a glance

User-friendly design. Display parameters: temperature, vacuum, cycle, run time, run/stop.

Adaptive PID controllers precisely control the temperature, prevent temperature soaring, keep the working room temperature stable and uniform.

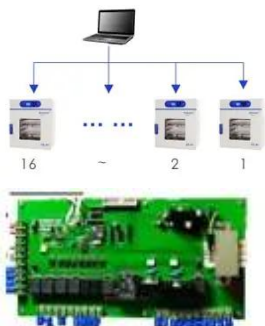
User password protection, built-in multifunctional memory menu, connect to multiple devices (up to 16 units) by RS485 interface at the same time, real-time monitoring.

Programmable multistage control, to meet customer needs, temperature control up to 10 sets. Time setting: 0-99 h, 0-9999 min, programs can be executed automatically cycles.

Set operations with beep tips.

Can use the remote control of computer software, professional supporting the operation programmable software (optional).





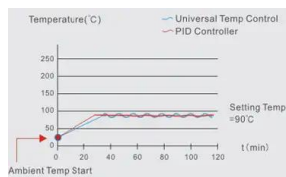
Micro-computer intelligent controller



Software

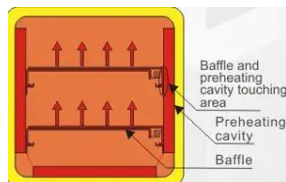


Power socket and Rs485 interface



### Shelf Heating Transfer Technology

Leading international record shelf heat transfer technology, increase effective contact area between shelf and pre-heating chamber, make shelf temperature and pre-heating chamber temperature consistent. Shelf heat transfer technology successfully resolved problems that reduced heat transfer under vacuum, so that sample would be the most direct and optimized heat transfer.



### Baffle heating transfer technology

Excellent Imported Temperature And Vacuum Sensor

Imported industrial temperature sensor PT100, short response time, low self-heating temperature.

Imported pressure sensors, to provide accurate pressure value, provide an effective guarantee for vacuum stability control.



Pt100temperature sensor



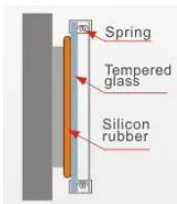
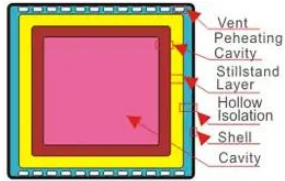
Vacuum sensor

#### Pro- Insulation Technology

Based on the effective use of heat as a concept, use complete isolation design between the liner and shell to avoid energy loss due to heat transfer.

Adopt imported high-density thermal insulation material wrapped liner, effective heating insulation and stillstand.

Good silicone door seal, isolation-type hinge design, equip with buckle door handles, ensure excellent sealability.



Pressure protection



Double protection observation window



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