

Natural Convection Ovens | High-Function, Touch Screen

DVT410C/610C

Operating temp. range RT+10~300°C

Temp. uniformity ±9°C (at 300°C)

Internal capacity 117L 188L

High-end drying oven with programmable control functions allows for quick program settings.

Features

- 7-inch touch screen for easy operation with three operation modes, including fixed temp. operation, program operation, timing operation. Standard 3-level authorization login.
- 100 programs, each program maximum 30 segments. Standard data storage function, data storage capacity approximately 10 years.
- Temperature rise curve tracking function, program operation mode, able to visually display set temperature and achieved temperature curve, providing reference for users to set reasonable temperature rise curve.
- Automatically stops heating upon door opening to protect user samples.

Safety

- Self-diagnostic circuit (temperature sensor anomaly, heater disconnection protection, automatic overheating preventer, SSR short-circuit protection), overheating preventer, overcurrent leakage protection, and a three-level authorization management system, automatically stops heating upon door opening.



Specifications

Model		DVT410C	DVT610C
System		Natural convection	
Performance	Operating temp. range	Room temp. +10~300°C	
	GB standard	Temp. fluctuation	±1°C (at 300°C)
		Temp. uniformity	±3% (at 300°C)
	Max. temp. reaching time	≤120 min	
Composition	Interior material	Stainless steel plate	
	Exterior material	Cold rolled steel plate with chemical proofing coating	
	Insulating material	Rock wool+centrifugal glass wool	
	Heater	Stainless steel heating pipe	
			1.6KW
	Cable port	Inner diameter: 34mm×1, located on the right	
Exhaust vent	I.D. 34mm×2, located on the top		
Controllers	Temp. control method	3-stage PID	
	Temp. setting method	7-inch color touch screen	
	Temp. display method	7-inch color touch screen	
	Timer	1 min~99 h 59 min	
	Operation functions	Fixed temp. operation, program operation, timing operation	
	Program mode	100 Programs with 30 segments each	
	Additional functions	Temperature history curve, alarm history records, operation log, data export function, language switching (Chinese, Japanese, English), calibration function, power failure compensation function, screen brightness adjustment, three-level authorization function	
	Sensors	Temperature controller: K-type thermocouple, overheating protection: Liquid expansion temperature controller	
Safety device		Self-diagnostic circuit (temperature sensor anomaly, heater disconnection protection, automatic overheating preventer, SSR short-circuit), independent overheating preventer, overcurrent leakage protection, and automatically stops heating upon door opening	
Specifications	Internal dimensions	450×520×500	600×570×550
	External dimensions (W×D×H mm)	610×690×960	760×740×1010
	Internal capacity	117L	188L
	Shelf load	30kg/layer	
	Shelf layers	12 layers	14 layers
	Support spacing	30mm	
	Power supply (50Hz) rated current	AC220V 7.5A	AC220V 12A
	Weight	Approx. 78kg	Approx. 93kg
Accessories	Shelf	Stainless steel wire shelf	
	Supports	4 pcs	
Options	Stand	ONK60C	
	Stacking fittings	ODK40C	—
	Others	Shelf (1 shelf with 2 supports) cable port (30/50mm), micro printer, data logger, combination warning light (standby/running/fault), remote monitoring function (network port), temperature output terminal (4~20mA), external alarm output terminal, time-up output terminal	

1 Sterilizers

2 Granulation and Spray Dryers

3 Muffle Furnaces

4 Ovens

5 Incubators

6 Plasma Equipment

7 Water Purifiers

8 Baths

9 Water Circulators

10 Rotary Evaporators

11 Freeze Dryers & Cold Traps

12 Stirrers & Shakers

13 Washers

14 Analysis and Test Devices

15 Options

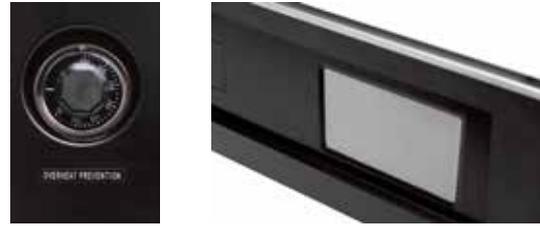
- Natural Convection
- Automatic Overheating Preventer
- Independent Overheating Preventer
- Self-diagnostic Function
- Key Lock Function
- Power Failure Compensation Function
- Overcurrent Leakage Circuit Breaker

Internal chamber (DVT610C)



- Use high-temperature resistant silicone rubber sealing strips. Enhance sealing, ensuring stable performance.
- The internal stainless-steel construction offers strong corrosion resistance and is easy to clean.
- Shelf plates are made of stainless-steel wire mesh, highly increasing strength.

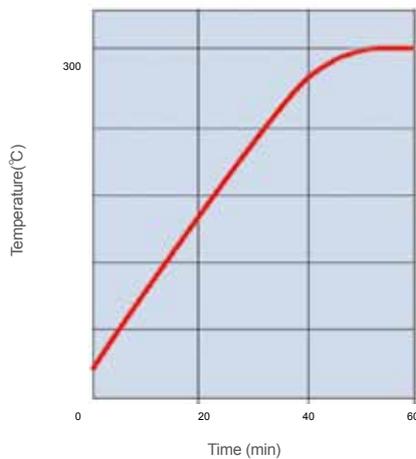
Control panel



Cable port (standard configuration)



Temperature rise curve



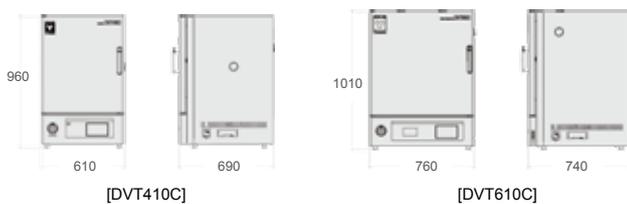
Exhaust vent (standard configuration)



Shelf (support)



Dimension diagram (mm)



Sterilizers	1
Granulation and Spray Dryers	2
Muffle Furnaces	3
Ovens	4
Incubators	5
Plasma Equipment	6
Water Purifiers	7
Baths	8
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Rotary Evaporators	10
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