Programmable Natural Convection Oven

Constant Temperature Ovens

DVS402C/412C/602C/612C

MADE IN CH

Operating temp. range	Room temp. +5~260°C
Temp. distribution accuracy	±5°C (at 260°C)
Internal capacity	99L (402C/412C) 162L (602C/612C)

Programmable standard ovens with easy to perform program settings

(*Stand optional*)

Operation and functions

- Excellent temperature accuracy
- Easy to use and maintain
- Equipped with a 6 pattern PID program controller with easy program settings (30 steps x 1, 15 steps x 2, 10 steps x 3)
- Simultaneous display of set constant and measured temperature
- Quick Auto stop, Auto Start / Stop operation
- Increased safety and self-diagnostic function
- With calibration offset function

Safety features

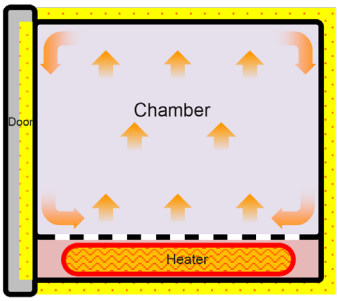
- Self diagnosis functions (Temp. sensor abnormal, Heater disconnection, Internal communication error, temperature input circuit abnormality, Automatic overheat prevention function, SSR-short), Overheat prevention, Electric leakage breaker with over current protection

Specifications

Model	DVS402C	DVS412C	DVS602C	DVS612C
Circulation method	Natural convection			
Operating temp. range	Room temp.+5 to 260°C			
Temp. control accuracy	±1.0°C (at 260°C)			
Temp. distribution accuracy	±5.0°C (at 260°C)			
Max. temp. reaching time	~90 min. (Room temp. +5°C~260°C)			
Interior material	Stainless steel			
Exterior material	Cold rolled steel plate with melamine resin baking finish			
Heat insulating material	Glass wool			
Heater	Stainless pipe heater			
	1.2kW		1.36kW	
Observation window	250×280 mm Chemically strengthened glass x 3			
Cable hole	30 mm I.D.×1 pcs.(right side)			
Exhaust port	30 mm I.D.×2 pcs.(on top)			
Temp. controller	3 patterns program controller, PID control by microprocessor			
Temp. setting method	Operation menu key and Digital setting by ▲/▼ key			
Temp display method	Measurement temp. : Digital display by green LED			
	Setting temp. : Digital display by red LED			
Timer	1 min. to 99 Hrs. 59 min. and 100 Hrs. to 999 Hrs. 50 min.			
Operation function	Fixed temperature, Program, Auto start, Auto stop, Quick Auto-stop,			
Program mode	Program operation: 6 pattern, 30 steps (30 steps×1, 15 steps×2, 10 steps×3)			
Additional functions	Calibration off-set function, Key lock, Uninterruptible power for memory, Pattern repeat function			
Heater circuit control	SSR control			
Sensor	K-thermocouple			
Safety device	Self diagnosis functions (temp. sensor abnormal, Heater disconnection, SSR- short, Memory abnormal, Automatic overheating prevention), Overheat prevention, Electric leakage breaker with over current protection			
Internal dimensions (W×D×H)	450×490×450 mm		600×540×500 mm	
External dimensions (W×D×H)	560×601×820 mm		710×651×870 mm	
Internal capacity	99L		162L	
Shelf plate load	~15kg / pcs.			
Shelf rest step number / pitch	9 steps / 30mm		13 steps /30mm	
Power source 50/60Hz	AC115V 12A *with plug*	AC220V 6.5A *no plug, round terminal*	AC115V 13.5A *with plug*	AC220V 7.5A *no plug, round terminal*
Weight	~48kg		~63kg	
Included accessories	Stainless steel, 2 pcs. shelf plate / 4 pcs. brackets			

Method

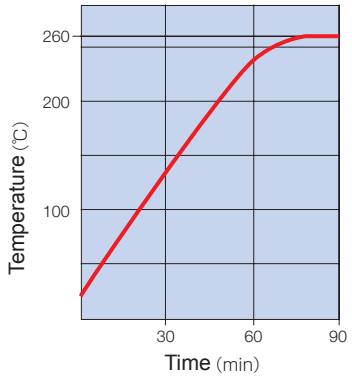
[Side view]



Interior (DVS402C)

- Enhanced sealing function with heat resistant silicon rubber packing, ensuring stable performance.
- Stainless steel interior material, high corrosion resistance for easy cleaning.

Temp. Rising Curve



Optional Items

Description	Product code
Stand ON61	211856
Stacking support	
OD40 for DVS402C/412C	212822
OD60 for DVS602C/612C	212823
Shelf (with support 2 pcs)	
For DVS402C/412C	212246
For DVS602C/612C	212266
*Cable Port	
25mm Ø	281131
50mm Ø	281132
*Temperature output terminal (4-20 mA)	281133
*External alarm terminal/ time-up output terminal (choose either)	281134
Seismic mat	296902

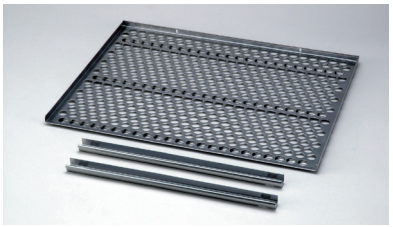
* Please specify when ordering main unit.

Control Panel

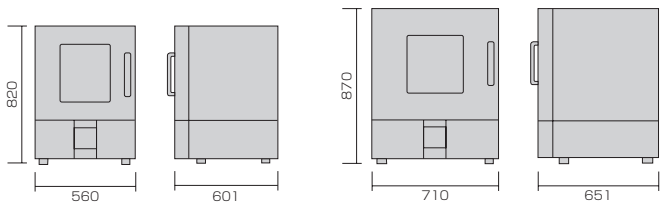
Cable Port (Standard)

Exhaust Port (Standard)

Shelf Plate / Shelf Bracket



Dimensions (Unit:mm)



DVS402C/412C DVS602C/612C

⚠Attention

- Never use in flammable or explosive gas atmosphere.
- Never use explosive or flammable material.
- Caution: High temperature components.