



Outline

Small-sized high-vacuum low cost exhaust equipment with resistance heating requiring compact storage, such as main pumps, backing pumps, valve piping, electrical systems and pressure measurement ports

Features and Cautions on use

- Easy viewable through glass belljar and easy maintenance.
- The vacuum chamber can be opened without stopping the main pump.
- Since an evaporation power supply and electrode have been added, simultaneous evaporation and multi-layer evaporation are possible.
- It is easily moving vacuum pumping system with casters.

Specification

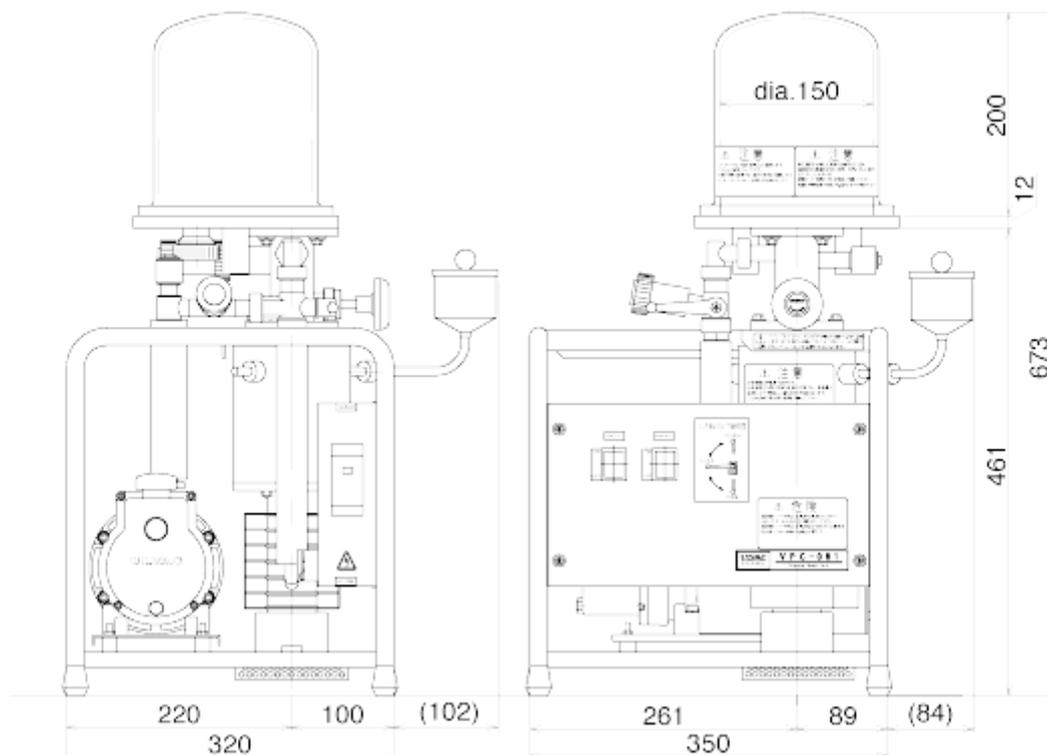
Item	Unit	Figure
Ultimate Pressure	Pa	1.3×10^{-3}
	kPa	-101.3 #1
Evacuation time		4.0×10^{-3} Pa/20min
Ultimate Pressure (with LN cold trap)	Pa	6.6×10^{-4}
	kPa	-101.3
Evacuation time (with LN cold trap)		1.3×10^{-3} Pa/20min
Vacuum chamber		Glass belljar (dia.150mm × 200mm(H))
Feedthrough collar		3 ports (bottom 3)
Recommended substrate size		sq.25mm (sq.50mm)
Substrate electrode distance		Max 100mm
electrode structure		1 point
electrode structure		SEREM "PSE-150C" 1 set 0-10V 150A (Max)
Main pump		Oil diffusion pump (air cooling) 50L/sec
Liquid Nitrogen trap		Equipped
Backing pump		Oil rotary pump 20L/min
Oil-mist trap		Option
Main valve		Butterfly valve
Sub valve		Three way valve
Automatic leak valve		—
Control		Manual control
Pirani Vacuum Gauge		Option
Ionization Vacuum Gauge		Option
Overall dimensions	mm	434(W) × 422(L) × 673(H)
Weight	kg	28
Overall dimensions (Power supply)	mm	480(W) × 435.3(D) × 149(H)
Weight (Power supply)	kg	40
RoHS applied		

#1: 単位が[kPa]の到達圧力はゲージ圧表示です。

Utility

Item	Unit	Figure
Power required (Body)		Single phase (100V)(50/60Hz): 0.63kVA
Power required (Power supply)		Single phase (200V) (50/60Hz): 1.5kVA
Ground terminal		D grade (ground resistance/100Ω or less)
Connection (Body) Single phase, 100V		Single phase (100V): Vinyl cabtyre cable (with plu
Connection (Power supply) Single phase, 200V		Single phase (200V): Vinyl cabtyre cable (R2.0-5 w

Outline Drawing



Remarks

- The values of the maximum board size are shown when film thickness distributions are not taken into account.

Applied optional part items

No.	Category name	Series	Name
1	Vacuum Coater Optional Parts	Adhesion Shield Plate	Adhesion shield plate
2	Vacuum Coater Optional Parts		Bell jar cover
3	Vacuum Coater Optional Parts	Control Rack	Control rack
4	Vacuum Pump Oil	DPF Series	SY 100cc
5	Vacuum Coater Optional Parts		Pirani Vacuum Gauge GP-1G
6	Oil-mist Trap	OMT Series	OMT-050A
7	Vacuum Coater Optional Parts	Evaporation Electrode	Evaporation Electrode SEREM PSE-150C
8	Vacuum Coater Optional Parts		Sample holder A
9	Vacuum Coater Optional Parts		Sample holder B

アルバック機工株式会社

〒881-0037
 宮崎県西都市大字茶臼原291-7
 TEL:(0983)42-1411(代)
 FAX:(0983)42-1422