

# Freeze Dryer

## DC401/801

Trap cooling temp.	-45°C (DC401)	-85°C (DC801)	Internal capacity	4L	Dehumidify amount	0.6L (DC401)	1.0L (DC801)
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DC401



DC801

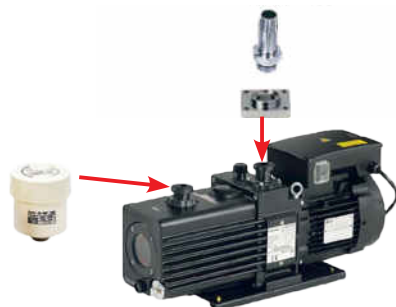
For both DC401 / 801, chamber, manifold, mounting flask, flask cap and glass container are sold separately.

- Contaminant free system
- Designed with automatic safety vacuum venting system which prevents oil backflow when turn off power supply or power failure
- Ice can be refrozen and removed smoothly from the vessel by Hot Gas Bypass System
- Equipped with Pirani Vacuum Gauge
- Safety Valve is linked with Service Receptacle for Vacuum Pump
- Environment friendly coolant used for refrigeration
- Highly mobile on wheels

### Specifications

Model	DC401	DC801
Trap cooling temperature	-45°C	-85°C
Time to reach minimum temperature	50 min. (20°C to -45°C)	80 min. (20°C to -80°C)
Dehumidify amount	0.6L	1.0L
Temperature sensor	N/A	Platinum resistance temperature detector Pt100Ω
Temperature display	N/A	7 segment LCD
Refrigerator	Air Cooling Type, 400W	Air Cooling Type, 350W
Refrigerator, coolant	R404A, Coolant amount: 300g ±5g	R600a and others, mixed coolant
Compound gauge	N/A	High pressure/Low pressure monitor
Bath Shape, material	Cylinder, Stainless steel	
Drain	Vacuum Hose with Stopper	
Vacuum gauge	Pirani Vacuum Measure	
Trap defrost	Defrosted by Hot Gas	
Exhaust port (vacuum pump connection)	Dia.17mm	
Ambient temperature range	5~30°C	
Safety device	Electric Leakage Breaker with Over Current Protection, Refrigerator Overload Relay, Valve for Back Flow Prevention	
Trap dimensions	Dia.153 x H235mm	
External dimensions	W300 x D450 x H920mm	W405 x D500 x H1040mm
Internal capacity	~4L	
Power source 50/60 Hz	AC115V 12A / AC220V 7A	AC115V 13A / AC220V 7.3A
Weight	~60kg	~83kg
Accessories	Vacuum silicone grease	Vacuum silicone grease, caster stop holder 4 pcs

### Vacuum Pump



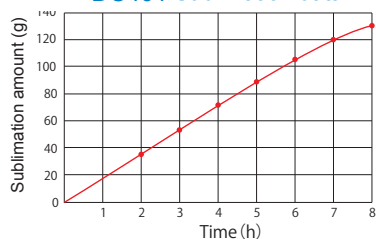
GLD136C115DCRKIT  
GLD136C220DCRKIT

### Specifications

Model	Unit	GLD-136C	
		50Hz	60Hz
Actual pumping speed	L/min	135	162
Ultimate pressure	Pa	G.V. Closed: 0.67 G.V. Open: 6.7	
Power source 50/60 Hz		115V / 220V	
Weight	kg	27.0	
Overall dimensions	mm	W170 x L488 x H250	

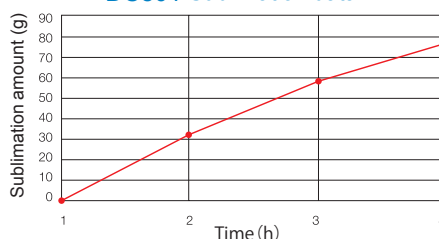
## Sublimation Data

DC401 Sublimation data



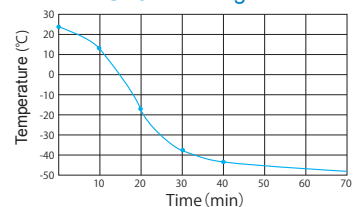
Room temp: 25°C Power source: AC115V 50Hz

DC801 Sublimation data



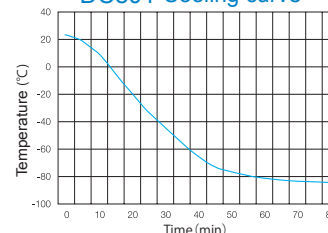
## Cooling Curve

DC401 Cooling curve

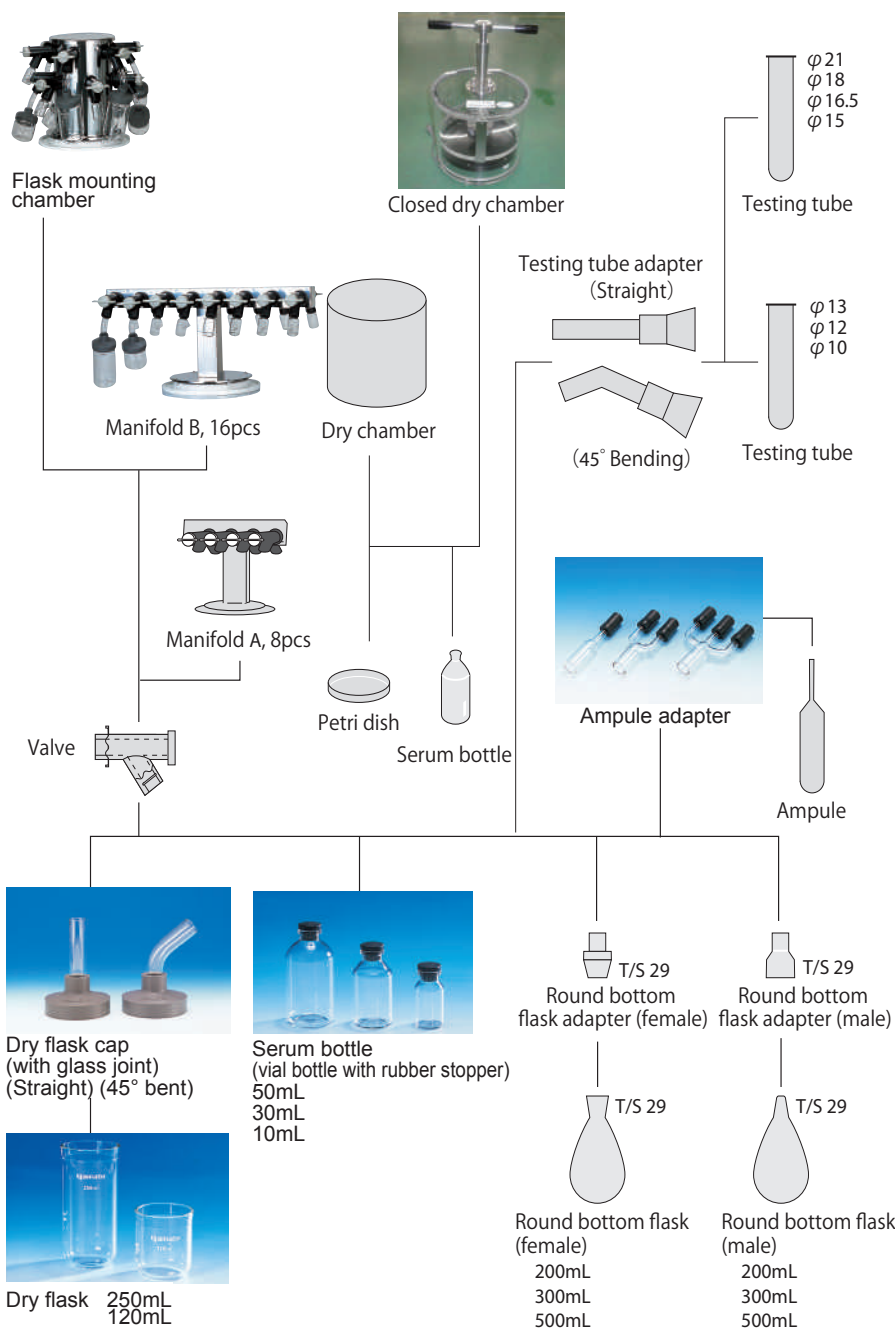


Room temp: 25°C Power source: AC115V 50Hz

DC801 Cooling curve



## Accessories



## Control Panel



Pirani Vacuum Gauge and Control Panel

Product code	212560	212561	212562	212563	212564
Product name	Flask mounting chamber	Manifold A	Manifold B	Dry chamber	Closed dry chamber
Shelf number	--			1	
Stopper	I.D. 18.5mm				
Stopper Pitch	96mm	80mm	60mm Dish x 7		
Port number	12	8	16	Temp. adjustment 30°C±2°C	
Dimension	φ195xH303	W304x D60xH263	W624x D60xH263	φ252xH240	φ252xH425

Product name	Product code
Valve	212565
Dry Flask	120mL, 5pcs 212820 250mL, 5pcs 212821
Dry Flask Cap (with glass joint)	5pcs. (Straight) 212570 5pcs. (45° Bent) 212571
Serum Bottle (vial bottle with rubber stopper)	50mL, 10pcs 212814 30mL, 10pcs 212815 10mL, 10pcs 212816
Ampule Adapter	Single, 5pcs 212572 Double, 5pcs 212573 Triple, 5pcs 212574
Testing Tube Adapter (with glass joint)	Straight 212590 45° bend 212591
Round Bottom Flask (Male)	200mL T/S 29 212594 300mL T/S 29 212595 500mL T/S 29 212596
Round Bottom Flask Adapter (Male)	T/S 29 212597
Round Bottom Flask (Female)	200mL T/S29 212566 300mL T/S29 212567 500mL T/S29 212568
Round Bottom Flask Adapter (Female)	T/S 29 212569
Micro Tube Holder	1.5mL, 24pcs 212580
Glass Joint	Straight 212598 45° bend 212599
Caster stop holder	4pcs set 281440