

Freeze Dryer
DC401/801



DC401/801

Model	
401	801
Trap Cooling Temp.	
-45deg.C	-85deg.C
Internal Capacity	
4L	

- Automatic Leak System can prevent from Vacuum Oil's Back Flow when the power turned off or breakout occurs.
- Ice can be refrozen and removed smoothly from the vessel by Hot Gas Bypass System.
- It's loaded with Pirani Vacuum Gauge
- Safety Valve is linked with Service Receptacle for Vacuum Pump
- Little impact on global warming and the ozone layer by using non-CFC refrigerant

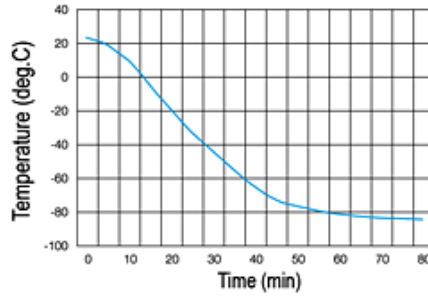
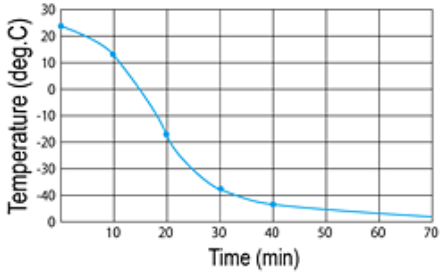
■ Specifications

Model	DC401	DC801
Performance		
Trap Cooling Temp.	-45deg.C	-85deg.C
Dehumidify Amount	0.6L	1.0L
Time to Reach	50min. (+20 --> -45deg.C)	80min. (+20 --> -80deg.C)
Components		
Temperature sensor	None	Platinum resistance temperature detector Pt100Ω
Temperature display	None	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	None	High pressure/Low pressure monitor
Bath Shape, Material	Cylinder Type	
Drain	Vacuum Hose with Stopper	
Exhaust port (vacuum pump connection)	Φ17	
Vacuum Gauge	Pirani Vacuum Measure	
Service Receptacle	for Vacuum Pump Max 6A, for Heater Max. 2A	
Trap Defrost	Defrosted by Hot Gas	
Ambient temperature range	5~30deg.C	
Safety Device		
Safety Countermeasure	Electric Leakage Breaker with Over Current Protection, Refrigerator Overload Relay, Valve for Back Flow Prevention	
Standard		
Trap Dimensions	Φ153 x H235mm	
External Dimensions	W300 x D450 x H720mm	W405 x D500 x H846mm
Internal Capacity	Approx. 4L	
Power	AC100V, 50/60Hz, 6A (20A)	AC100V, 50/60Hz, 7/6.5A (20A)
Power Code	1.6m	
Suitable Vacuum Pump's Displacement	50/60L/min.	
Weight	Approx. 43kg	Approx. 65kg
Accessories	Vacuum silicone grease, vacuum hose, fuse 10A	Vacuum silicone grease, vacuum hose, fuse 10A, caster stop holder 4 pcs

■ Pirani Vacuum Gauge and Controller



■ Cooling curve



■ Vacuum Pump



PD53

Specification

Model	PD53
Ultimate pressure	6.7 X 10 ⁻² Pa
Exhaust speed (50/60Hz)	50/60L/min

■ Optional items

Fixing Flask Chamber	Stopper: I.D. 18.5mm, Stopper Pitch: 96mm, Port Qty.: 12, Dimension (mm): Φ195 x H303	212560
Manifold A	Stopper: I.D. 18.5mm, Stopper Pitch: 80mm, Port Qty.: 8, Dimension (mm): W304 x D60 x H263	212561
Manifold B	Stopper: I.D. 18.5mm, Stopper Pitch: 80mm, Port Qty.: 16, Dimension (mm): W624 x D60 x H263	212562
Dry Chamber	Shelf Qty.: x 1, Stopper: I.D. 18.5mm, Stopper Pitch: 60mm Petri Dish Qty. x 7, Temp. Control: 30oC ±2oC, Dimension (mm): Φ252 x H240	212563
Closed Dry Chamber	Shelf Qty. x 1, Stopper: I.D. 18.5mm, Stopper Pitch: 60mm Petri Dish Qty. x 7, Temp. Control: 30oC ±2oC, Dimension (mm): Φ252 x H425	212564
Valve	-	212565
Dry Flask	120ml, 5pcs	212820
	250ml, 5pcs	212821
Dry Flask Cap (with Glass Joint)	5pcs. (Straight)	212570
	5pcs. (45oC Bend)	212571
Serum Bottle (Vial Bottle)	50ml, 10pcs	212814
	30ml, 10pcs	212815
	10ml, 10pcs	212816
Ample Adapter	Single, 5pcs	212572
	Double, 5pcs	212573
	Triple, 5pcs	212574
Testing Tube Adapter	45deg Bend (with Glass Joint)	212590
	Straight	212591
Round Bottom Flask (Male)	200ml, T/S29	212594
	300ml, T/S29	212595
	500ml; T/S29	212596
Round Bottom Flask Adapter (Male)	T/S 29	212597
Round Bottom Flask (Female)	200ml, T/S29 300ml, T/S29 500m; T/S29	212566
	300ml, T/S29	212567
	500ml, T/S29	212568
Round Bottom Flask Adapter (Female)	T/S29	212569
Micro Tube Holder	1.5ml, 24pcs.	212580
Glass Joint	45deg Bend	212599
	Straight	212598
Caster stop holder	4 pcs	281440

