



(Table Type) FDPT05-0050



(Up right type) FDPU05-3050



FDPP0030

1 Features

- All the procedures can be performed on one-touch auto control system
- Safety maintains an experiment by back-fill, auto purging and alarm system
- The interior of stainless steel resists corrosion and contamination
- Apply to both individual vial and bulk scale at the same time
- Optionally mounted with stoppering apparatus which makes auto control of freeze drying
- The experiment data of the process can be obtained easy and economy
- Choose a variety of accessories and install the various sample container

2 Specifications

● Programmable Freeze Dryer

Model	FDPT05-0050	FDPU05-0050	FDPU05-3050	FDPU05-3085
Capacity	5 liter			
Chamber (WxBxH)	330x370x240mm			
Shelf (WxL)	300x350mm			
Refrigerator	1/3Hp	1/3Hp	1/2Hp	1/2Hp
Temp. range	Amb. to -50℃	Amb. to -50℃	-30 to -50℃	-30 to -85℃
Cold trap	-50℃ / Option : -80℃			
Vacuum pump	200 liter/min 1 x 10 ⁻³ Torr			
Defrosting	Heated door defrosting			
Control & display	Microprocessor digital control & LED display			
Safety device	Back-fill system , auto purge system			
Power source	220VAC, 50,60Hz, 1.5Kw			
Overall (WxDxH)	840x725x610mm		840x725x950mm	
Weight (Kg)	175		180	

3 Options ; Vacuum pump, Vacuum controller, Stoppering system

● Pilot scale Vacuum Freeze Dryer

Model	FDPP0010	FDPP0030	FDPP0050	FDPP0100
Condensor capacity	10 liter	30 liter	50 liter	100 liter
Condensor area	0.54m ³	1.8m ³	2.52m ³	5.04m ³
Condensor temp.	-50℃ or -85℃			
Refrigerator	2 x 2Hp	2 x 3Hp	2 x 5Hp	2 x 7.5Hp
Vacuum system	410L/min	650L/min	840L/min	1600L/min
Shelf temperature	Amb. to +80℃ or -50℃ to -85℃			
No. of Shelves	3 x 400x450	5 x 450x800	7 x 800x450	7x 800x900
No. of Tray	3x400x450x40	10x400x450x40	14x400x450x40	28x400x450x40
Defrosting	Heated door defrosting			
Control & display	Microprocessor digital control & LED display			
Safety device	Back-fill system , auto purge system			
Power source	220VAC, 50,60Hz,			
Overall (WxDxH)	1100x1300x1900	1100x1900x1900	1800x2200x1900	1800x2500x1900
Weight (Kg)	215	250	290	350

3 Options ; Vacuum pump, Vacuum controller, Stoppering system