

# PILOT FREEZE DRYER

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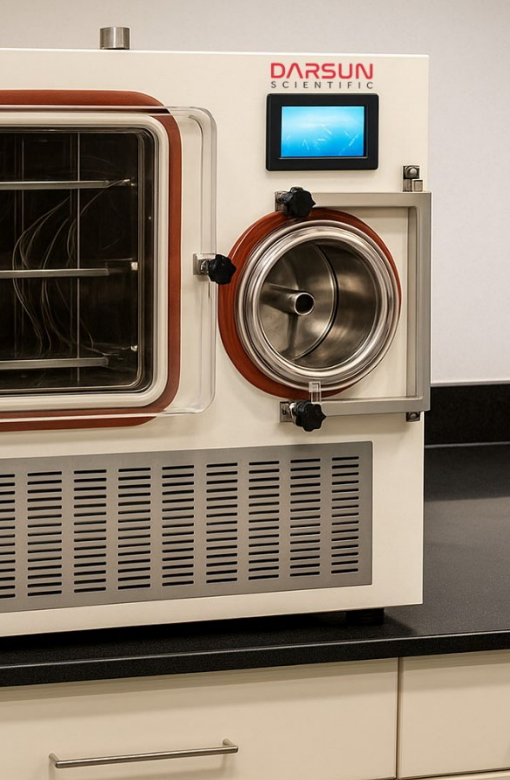
#### India Office

16 S/F B/S, T-Block Extn.  
Jain Colony Part-2 Uttam Nagar,  
New Delhi-110059  
[info@darsunscientific.in](mailto:info@darsunscientific.in)  
(+91) 9999136670, 7835864003

#### USA Headquarters

30 N Gould St, Ste R  
Sheridan, Wyoming 82801  
United States

**Darsun**Scientific



# Darsun Scientific PILOT FREEZE DRYER

## DSFD



### Product Overview

Console/Pilot production freeze dryer is a small in-situ freeze-drying equipment. It is applied not only in pharmaceutical pilot workshop and small batch production but also in food or medicinal freeze-drying process.

### product Features

1. Situ freeze-drying technology is one of advanced international constructor design which avoid the contamination during materials transfer and realize the dry sublimation automatically. Pilot freeze dryer is with rack heating programmable function and memory freeze-drying curve which convenient users to get the freeze-drying production technology.
2. It is divided into standard type and gland type.

Model	DSFD-20S	DSFD-30T	DSFD-50S	DSFD-50T	DSFD-100S	DSFD-100T	DSFD-200S	DSFD-200T
Type	Standard	Top-press	Standard	Top-press	Standard	Top-press	Standard	Top-press
Shelf temp (°C)	-50 ~ 70	-50 ~ 70	-50 ~ 70	-50 ~ 70	-50 ~ 70	-50 ~ 70	50 ~ 70	50 ~ 70
Final condenser temp (°C)	-80	-80	-80	-80	-80	-80	-80	-80
Vacuum Degree (Pa)	<10	<10	<10	<10	<10	<10	<10	<10
Freeze drying area (m <sup>2</sup> )	0.24	0.3	0.5		1		2	
Condenser capacity (Kg/24h)	6.5		10		15		30	
Shelf specification (L*W*H mm)	300*400*15	295*335*15	360*476*20		360*480*15	600*480*15	500*900*15	
Qty of shelf	2	3	4	4	6	4	6	6
Distance between shelves(mm)	80		70	95	80	80	100	
Liquid material loading capacity (L)	4.5	4	10	8	15		30	
Temperature uniformity (°C)	±1	±1	±1	±1	±1	±1	±1	±1
Defrost function	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
USB Interface	Y	Y	Y	Y		Y	Y	Y
Control System	Microprocessor, touch screen		Microprocessor, touch screen		Microprocessor, touch screen		Microprocessor, touch screen	
Penicillin bottle φ22	760	805	1408	1056	2016	2016	4100	4100
Penicillin bottle φ16	940	1550	2728	2046	3960	3960	7800	7800
Penicillin bottle φ12	2120	2800	4920	3690	7200	7200	14400	14400
Power supply (V/Hz)	220V/50Hz,60Hz		220V/50Hz,60Hz 380V/50Hz,60Hz		220V/50Hz,60Hz 380V/50Hz,60Hz		380V/50Hz,60Hz	
Exterior dimension (WxDxH mm)	1200*750*1250	1200*750*1600	1200*850*1500	1200*850*1850	1500*850*1600	1500*850*1950	2100*850*1800	2100*850*2100