DRAW ELL Artist of Science

DW-50F

Silicone Oil Heating Freeze-Drying Machine

Characteristics:

- Pre-freeze drying process at in situ situation, reduce the complicate operation from drying process, become automatically;
- \blacklozenge Shelf temperature differences ± 1 °C, dry effect uniform;
- Intermediate medium circulation technique, shelf can refrigeration, heating, temperature adjustable, controllable, pilot scale test and production process;
- Due to drying chamber and cold trap for fission structure, special gas circuit designed, capture water ability is strong and drying time to be short;
- Embedded touch screen, PLC controlled and PID temperature controlled display lyophilized curve and history curve;
- Control system can be stored 40 freeze-dry process programs, each program can have 40 temperature settings, and can choose the manual operation and automatic operation, the Top-Press type is equipped with an automatic defrost function;
- Optional eutectic point test device;
- U disk data available;
- Equipped with PC software can print curve, browsing curve, modify data;
- Square tray is shape not easily to deformed, easy to operate and clean;
- Can be configured charging valve, rechargeable dry inert gas.
- Drying chamber adopts high light colorless transparent organic glass door, in operation process can be observed clearly the change of material process;
- Refrigeration system using overlap refrigeration technology, low refrigeration temperature, large refrigerating capacity, and adopt imported closed compressor, high efficient and reliable, low noise.

Parameters

	DW-50F	Ordinary	Top-Press
Drying chamber	Drying Area	0.5m2	0.5m2
	No.of Tray	4+1 layer	4+1 layer
	Temp. Range	-70 ~ 70°C	-70 ~ 70°C
	Shelf Gap	50mm	90mm
	Shelf Size	450mm×300mm	450mm×300mm
Capture water trap	φ22 Schering bottles	1400	1056
	φ16 Schering bottles	2046	2046
	φ12 Schering bottles	3690	3690
	Temperature	-70°C (No-load)	-70°C (No-load)
	Ability to Capture Water	10Kg/24h	10Kg/24h
Parameters	Power	4.5kw	4.5kw
	Power Supply	110-115V or 220-240V 50/60Hz	110-115V or 220-240V 50/60H
	Plate Load Capacity	6L	6L
	Electric Defrost		
	Vacuum	<10Pa	<10Pa
	Dimension	700×1030×1500mm	1220×1300×1700mm
Drying chamber shape		square	square
N.W./ G.W		380KG/440KG	560KG/600KG
Picture			



