



## VT-30F Silicone Oil Heating Freeze-Drying Machine



- Pre-freeze drying process at in situ situation, reduce the complicate operation from drying process, become automatically;
- Shelf temperature differences  $\pm 1^{\circ}\text{C}$ , 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 beshort;
- 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 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

Drying chamber	VT-30F	Ordinary	Top-Press
	Drying Area	0.3 m <sup>2</sup>	0.3 m <sup>2</sup>
	No.of Tray	3+1 layer	3+1 layer
	Temp. Range	-70~70 °C	-70~70 °C
	Shelf Gap	50 mm	70 mm
	Shelf Size	400mm×270mm	400mm×270mm
Capture water trap	φ22 Schering bottles	540	540
	φ16 Schering bottles	1080	1080
	φ12 Schering bottles	1950	1950
	Temperature	-70°C ( No-load )	-70°C ( No-load )
	Ability to Capture Water	6Kg/24h	6Kg/24h
Parameters	Power	2.1 kw	2.1kw
	Power Supply	380V 50/60Hz	380/60Hz
	Plate Load Capacity	3 L	3 L
	Electric Defrost		√
	Vacuum	<10 Pa	<10 Pa
	Dimension	630×800×1400 mm	1060×700×1500 mm
Drying chamber shape		square	square