

LY-10/12/18 freeze dryer, designed for lyophilizing light sample loads in a limited space



Features

1. World class brand compressor;
2. Big size cold trap, with pre freeze function;
3. Seven inch touching screen, can show working time, condensor temperature, sample temperature, vacuum degree, and record drying curve;
4. Embedded operation system, ARM9 core control circuit, 32M memory, 128M flash, can store over one month experiments data, and download by USB flash drive;
5. Controller store freeze drying curve automatically, users can check both real-time curve and history curve;
6. The drying cabinet using one time molding PC material, strong, transparent and anti corrosion;
7. Machine connect vacuum pump with KF flange, suitable for most brands vacuum pump;

Optional functions

1. Shelf heating;
2. Vacuum degree adjusting;
3. Electric defrosting;
4. Gas input valve;
5. Eutectic testing;
6. Double compressor (for -80°C);
7. T-type shelf;

Specifications

Model	LY-10N				LY-12N			
	Standard	Top-press	Standard manifold	Top-press manifold	Standard	Top-press	Standard manifold	Top-press manifold
Freeze drying area	0.12m ²	0.08m ²	0.12m ²	0.08m ²	0.12m ²	0.08m ²	0.12m ²	0.08m ²
Cold trap temp.	-56 ^o C / -80 ^o C (empty loading)							
Vacuum degree	≤5Pa							
Water capture capability	3~4kg/24h							
Machine power	950W							
Machine weight	41kg				65kg			
Machine size(-56 ^o C)	630x450x370(WxDxH)+430(dome)mm				580x500x730(WxDxH)+430(dome)mm			
Machine size(-80 ^o C)	630x450x370(WxDxH)+430(dome)mm				750x530x370(WxDxH)+430(dome)mm			
Material tray	φ200mm 4 layer	φ180mm 3 layer	φ200mm 4 layer	φ180mm 3 layer	φ200mm 4 layer	φ180mm 3 layer	φ200mm 4 layer	φ180mm 3 layer
Eggplant shape bottle	/	/	8	8	/	/	8	8
Material capacity and thickness	1.2L 10mm	0.8L 10mm	1.5L 10mm	1.2L 10mm	1.2L 10mm	0.8L 10mm	1.5L 10mm	1.2L 10mm
Vial capacity φ12mm	920pcs	560pcs	920pcs	560pcs	920pcs	560pcs	920pcs	560pcs
Vial capacity φ16mm	480pcs	285pcs	480pcs	285pcs	480pcs	285pcs	480pcs	285pcs
Vial capacity φ22mm	260pcs	165pcs	260pcs	165pcs	260pcs	165pcs	260pcs	165pcs