

# STALWART

## Benchtop Freeze Dryer SDF-12 Series



SDF-12S



SDF-12T



SDF-12P



SDF-12PT

## Introduction

Freeze dryer is widely applied in pharmaceutical industry, biotechnology industry, biological science industry, materials science industry, chemical industry, food and agriculture industry etc. It is used to produce vaccines, drugs and permanently store biological tissues/organs.

Humanized Design 7" Colorful touch panel, can digital and curve display the real me status and historical data. Large FAT32 files system storage can store all data for more than 1 month. USB interface can download the freeze-drying data to U disk. Rack temperature can adjustable, controllable which helps to search for freeze-drying technology. It is two types manual and automatic type. The Automatic process can setting 36 programs, each program can set 40 temperature range, it can meet different requirements on freeze-drying process. Automatic frost Optional Eutectic point test function helps users to control materials' sublimation point. Optional Freeze drying flask.

## Features

### Humanized Design

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## Specification

Model	SDF-12S	SDF-12T	SDF-12P	SDF-12PT
Type	Standard Chamber	Stoperring chamber	Manifold type Standard chamber with 8 port manifold	Standard/Stoppering chamber with 8 port manifpld
Final condensor temp (C)	-55 or -80	-55 or -80	-55 or -80	-55 or -80
Vacuum Degree (Pa)	<10	<10	<10	<10
Condenser Volume (L)	9	9	9	9
Freeze drying area (m2)	0.12~0.18	0.09	0.12~0.18	0.09
Ice condenser capacity (Kg/24h)	4	4	4	4
Qty of shelf	4	3	4	3
Material loading capacity/shelf (ml)	1200	900	1200	900
Material loading capacity (ml)	1200	900	1200	900
Freeze drying time (h)	24	24	24	24
Manifold	/	/	8 pieces	8 pieces
USB interface	Y	Y	Y	Y

## Specification

Drying chamber (standard)	Transparent acrylic	
Vacuum Pump	Speed:2L/S	
Control System	Microprocessor,touch screen	
Power Supply (V/HZ)	220V/HZ,60Hz	
Exterior dimension (WxDxH mm)	582*541*374/684	
Penicillin bottle ø22	260	195
Penicillin bottle ø16	480	360
Penicillin bottle ø12	920	690