SANAT PARDAZ DENA Co.LTD

SD-8000 LAB Spryer Dryer, 2L/h, water- based solution

Spray drying is a process of drying water solution-emulsion and so on. It is widely used in industrial chemistry and food industrial

Model- SD-8000S

Model- SD-8000G

General features

It adopts large-color touch screen operation, automtic control,ten-stage program temperature control and itown memory function.

Full-autmatic control:one of button start up after setting the spray process parameters, the temperature reaches the predetermined temperture, the peristaltic pump starts itself, the running animation is displaye on

the touch screen, and the running process is clearly displayed.ehen the machine is shut down,just press the stop button, the machine is automatically safe. **Shut down**

Manual control: if the process parameters need to be adjusted during the experiment, it is convenient to switch to the manual state.the color touch screen is dynamically displayed throughout the exmeriment.

BRSM ISO 9001:2015 DENA VACUUM

Tel: (+98) 21 55 27 28 34 *whatsapp/Telegram:+98 937 37 92 491*
www.freezedryer.ir *Email:Denavacuum@gmail.com*
NO.24,4th feleztarash Alley, chahardangeh industrial Area ,Tehran, Iran

Shut down prptection functoin: just press the stop butten when shutting doen, the machine will stop running immediately exepect the fan,to ensure that the equiment will not burn out due to misoperation.

The spray drying and collection system is made ofhigh-quality stainless steel material, which makes the spray drying process in a non polluting and stabel environment, whiche privides great conveience for researchers to control the experimental process and expermental results. All stainless steel components are esye to disassemble and easy to clean.

The organic solvent spray dryer has built in imported oil-free air compressor. The particale diameter of the powder spray is normally distributed, the fluidity is very good, and the noise is very low, less then 60db,line with the national laboratory noise standard.

The atomization structure of the two fluid spray, the whole machine is made of high-quatity stainless steel material with precision design, comact design, on need for auxiliary equiment, conveninent to use and lasts for long time.

In order to meet the requirement of the user to adjust variousparameters in the experiment rang, the real-time regulation PDI contstant temperature control technology is adopted in the design of the drying temperature contril, so the the temperature control in the full temperature zone is accurate, and the heating temperrature control precision is ±1 ˚C.

In order to keep the sample clean,an air intel filter is provided.

The feed amount can be adjusted br the feed peristaltic pump and the minimum sampel volume can reach 10ml.

Dry power after drying, the particle size is relatively uniform, and more than 95% the dry powder is in the same particale size range.

The small spray dryar is equipped with anozzle cleaner for the viscous material. When the nozzle is blocked, it will be automqatically cleared, and the frequency of the needle can be automatically adjusted.

Innovative tower wall purging device with higher material recovery rate.

Automatic cleaning function, greatly enhancing the dry sample recovery rate.

The automatic cleaning function of the drying tower eliminates the need for manual cleaning, which greatly saves the experiment time.

pecifications

Model SD-8000G - SD8000S

Control	Fully automatic control and manual control Mode, color touch screen dynamic display throughout the experiment
Inlet air temperature control	30℃ - 400℃
Outlet temperature control	30℃ - 200℃
Evaporation water volume	50Ml /H – 2200ML/H
Maximum feed amount	Peristaltic pump adjustable up to 2200ml/ h
Minimum amount of feed	50ml
Temperature control accuracy	±0.5℃, real-time PID temperature control technology, real-time online display of inlet air temperature and outlet temperature
Drying time	0.8 – 1.0S
Color LCD touch screen parameter	Air inlet temperature/air outlet temperature, peristaltic pump speed / air volume / needle
With shutdown protection function	Just press the stop button when shutting down, the machine will stop running immediately except the fan to ensure that the equipment will not burn out due to misoperation

Applications

Tel: (+98) 21 55 27 28 34
whatsapp/Telegram:+98 937 37 92 491
www.freezedryer.ir
Email:Denavacuum@gmail.com
NO.24,4th feleztarash Alley, chahardangeh industrial Area ,Tehran, Iran

Display	frequency
Nozzle diameter	0.5mm/0.75mm/1.5mm/2.0mm optional, and can be customized according to requirements
Time setting function	The user can set the working time of the machine by himself, without manual guarding, the working time ends the machine to stop working, on need to manually guard, which greatly saves the precious time for the customer to do the experiment
Automatic fan stop function	After the instrument is finished, the working state of the fan should be kept, so that the glasses partially cooled. The machine is set by intelligent program. When the inlet temperature is lower than 30 degrees, the fan is automatically truned off, and there is no need to manually turn off the fan manually
Powder particle size requirements	Dry powder after drying, the pariticle size is more uniform, more than 95% of the dry powder in the same particle sizerange
Machine power	2-3.0kw/single phase 220w
Spray head cooling device	optional
Equipment size	1380 H×770 L ×590W mm
Outer packaging size	1500H ×910 L ×730W mm
Package weight	90KG

Product collection

Tel: (+98) 21 55 27 28 34 *whatsapp/Telegram:+98 937 37 92 491*
www.freezedryer.ir *Email:Denavacuum@gmail.com*
NO.24,4th feleztarash Alley, chahardangeh industrial Area ,Tehran, Iran

Spare parts

- 1 air compressor (built – in)
- LCD screen MCGS custom version
- Fan RB022 1set(built- in)
- Stainless steel drying room 1 set
- Stainless steel cyclone separator 1
- Stainless steel sample collection bottle 500aml1
- Stainless steel sample collection cold trap1
- Medical grade feed tube 1.5 m
- Spray gun imported 1 pc, 0.5/0.75/1.5/2.0mm nozzle optional
- Clamp LY12 set
- Polytetrafluoroethylene gasket 1 piece

BRSM ISO 9001:2015 DENA VACUUM

Tel: (+98) 21 55 27 28 34 *whatsapp/Telegram:+98 937 37 92 491*
www.freezedryer.ir *Email:Denavacuum@gmail.com*
NO.24,4th feleztarash Alley, chahardangeh industrial Area ,Tehran, Iran