Lab Spray Dryer (organic Solvents)

Category: Pneumatic, Hydraulic & Fluid Mechanics · Model reference: MZM-6015



SPECIFICATIONS

DESCRIPTION:
MZM-6015-Lab Spray Dryer is our latest type which adopts advanced international technology and spare parts and can be used to process the samples of aqueous solutions and organic solvents. It assembles many of new design, for example, small shape for free moving, combining air compressor and electrical heater inside the cabinet, glass spray and cyclone separator for inspecting. All the data and function are controlled by PLC, English language.

APPLICATION RANGE:
This type is popular in field of Food, biology, material, pharm acy enterprise or university, R&D institute. Especially some non-heat material, that can be sprayed to power wonderfully, because material touch heat air in a little time, and high temperature don't destroy the component of production. Flavour, dairy, plant and vegetable extract liquid, pharmacy, biology, chemical, material, resins, ceramics and superconductors Biochemical, etc.

CHARACTERISTIC:

1. Designed for research and development
2. Spray chamber, cyclone separator, receiving tank are all made of Borosilicate glass which can resist strong acid/alk li, high temperature. It can work in a no-pollution and stable environment, and the whole process can be inspected. All the spare parts are easy to install and wash.
3. the air compressor is no oil and don't pollute compress air. The power from receiving tank has a good flow. The sound is low than 60db, and following the GMP understands.
4. inlet/outlet temperature is accurate controlled by PID
5. Supplied complete and ready for most spray drying applications.
6. The unit is self contained and supplied complete and ready for immediate operation.
7. Using proface touchable interface display operation, operator can control temperature, airflow volume, air pressure,pump speed and de-blocker frequency.
8. Product feeding with RS2559605 rotary pump, capacity is adjustable
9. Out ring jacket supplying compressed air to nozzle and atomization is formed at the outlet of internal product pipe.
10. Automatic de-blocking device prevents the nozzle from becoming blocked and variably controlled.
11. equipped with air filter to remove and collect fine particle s in exhausted air.

TECHNICAL DATA:
- Max capacity: 1500ml/h
- Temperature range of Inlet air: 40? -250?
- Temperature range of outlet air: 40? -140?
- Precision of temperature: ± 1 ?
- Dryer time: 1.0-1.5 S
- Speed of squirt pump: 50-2000ml/h,
- Spray system: two liquid nozzle
- (0.5/0.7/0.75/1.0/1.5/2.0/2.5mm)
- Spray direction: downwards co-current
- Heater power: 3KW 220V
- Drying capacity not less than 1.5 liter / h for aqueous solutions and organic solvents.
- Dimensions of the dry molecules range from 1-25 μm at least.
- Can be used to process the samples of aqueous solutions and organic solvents.
- Vacuum air system can control the intensity of pressure in the device.
- The device has system to intensify and separate of organic solvents (Inert loop spray drying with organic solvents).
- Digital LCD shows all the processes the device does.
- Sensors to monitor the device work, the gas, the heating, the pressure and other.

Send Enquiry **Your Name**
Your Email
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