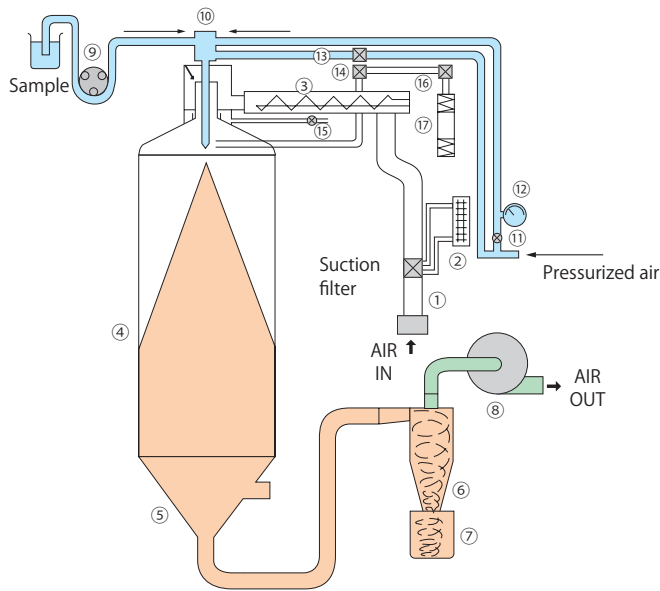
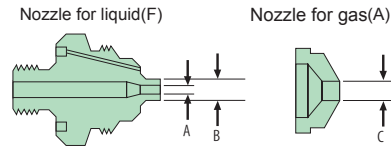


Diagram



- | | |
|-------------------------------|---------------------------------------|
| (1) Orifice tube | (10) Atomizing nozzle |
| (2) Drying air flow meter | (11) Atomizing pressure control valve |
| (3) Heater | (12) Atomizing pressure gauge |
| (4) Drying chamber | (13) Needle knock Solenoid valve |
| (5) Drying chamber lower half | (14) Nozzle blower Solenoid valve |
| (6) Cyclone | (15) Cool air control valve |
| (7) Product vessel | (16) Head elevation control valve |
| (8) Aspirator | (17) Air cylinder for head elevation |
| (9) Sample feed pump | |

Spraying Nozzle



Spraying Nozzle size (μm)

Model	Nozzle No.	Size (μm)	Particle size
3 (Standard)	(F)2850	A 711 B 1270	up to 50μm
	(A)64.5	C 1638	
	4	(F)60100	A 1530 B 2550
(A)120		C 3060	
5		(F)100150	A 2550 B 3825
	(A)130	C 4530	

Particle sizes may vary on samples used and parameter settings.

Control Panel



Multilingual touch screen controller

Application

(1) Spray granulation

With the process of granulation and spheronization, powder liquidity is significantly improved and the pressure is uniform. Applications: aluminum, zirconia, ceramics, heavy metals, cemented carbide fields etc.

(2) Micro capture

In spray drying, the combination of core and coating material is a source solution to obtain encapsulated powder.

Applications:

- Ink for pressure-sensitive paper
- Adjustment of pharmaceutical products flavouring and lyolysis.
- Encapsulation of fragrances used in food and hygiene related products
- Encapsulation of dyes, fertilizers, oils, adhesives etc.

(3) Spray cooling granulation

Difficult to get dry powder, such as wax, oils and fats, fatty acids, etc.

(4) Special applications

Spray concentrated, spray reaction, powder sizing, etc.



0 50 100μm
Powder generated by DL410

Equipment

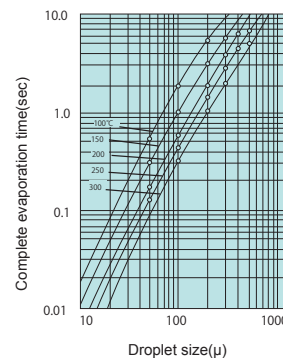


Static removal brush

Burn prevention safety cover

Burn prevention safety cover and the static removal brush are standard equipment.

Time



Drying time until the liquid droplets are completely evaporated with hot air.