

Dryer and Granulator, Fluid Bed

GA22

Processing Capacity	50g to 300g
Operating Temperature Range	40deg.C to 200deg.C
Liquid Sample Flux	up to 28 ml/min.
Spraying Nozzle	for Liquid and Air

A system to granulate powder of small amount and to dry moist powder.

The GA22 uses a fluid bed and it can be used to granulate powders or to dry moist powders.

It is capable of processing samples of between 50g and 300g and well suited for expensive samples and laboratory experiments.

- The setting of testing conditions is easily entered from the operation panel.
- The testing mode can be easily observed as the chamber is made of superhard glass.
- Since it is equipped with impellers, consistently good fluid conditions are obtained.

Control panel



■ Inlet temperature, outlet temperature and drying air volume are displayed digitally. Condition setting dials and stage level control switch are located on the front panel for easy use.



■ Since a small quantity of samples from 50g to 300g can be treated this device is most appropriate for the treatment of expensive samples and the experiments at the laboratory level.



Easy operation and maintenance



■ A stirring blade is attached to the perforated plate so that inferior fluid condition can be improved and wet powdered matters drying can be processed by stirring.

■ The stage level control switch are located on the front panel for easy use. Cleaning of chamber is also made very easy.

Spraying nozzle

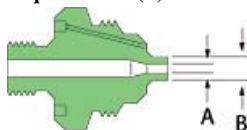
Nozzle size (μm)

Model		1A	1	2A	2	3
Nozzle No.		1650	2050	2050	2850	2850
(F)	A	406	508	508	711	711
	B	270	1270	1270	1270	1270
Nozzle No.		64	64	70	70	64
(A)	C	1626	1626	1778	1778	1626

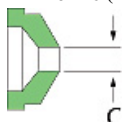
Model 1A : Standard nozzle



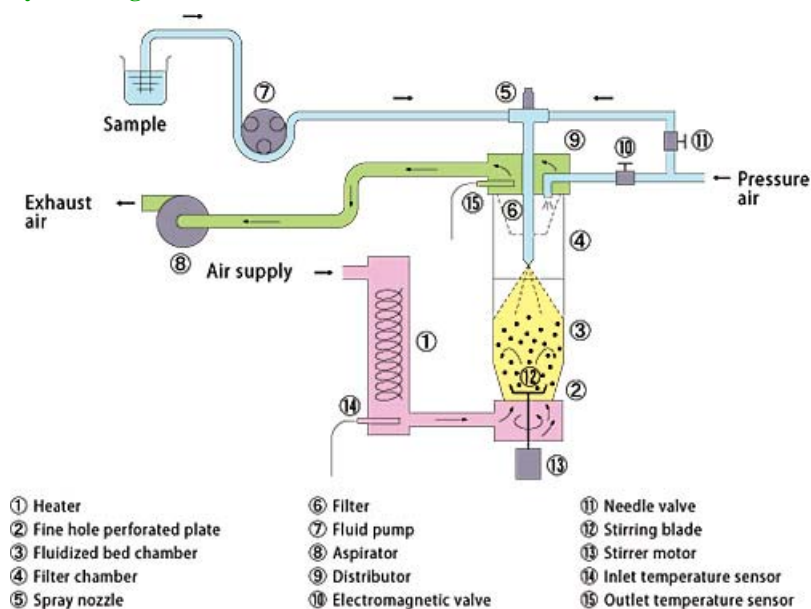
Liquid nozzle (F)



Air nozzle (A)



System diagram



Specifications

GB22 (Basic Unit)	
■ Structure	
Heater	2 kW
Aspirator	Bypass-type blower
Sample liquid feed pump	Quantitative peristaltic pump, flow rate variable up to 28握/min.
Stirring system	Using an induction motor
Compressed air blowing system	Pulse jet system, an electromagnetic valve and electronic timer
Temperature control range	40deg.C to 200deg.C
Temperature control accuracy	±1deg.C
Temperature setting and display method	Digital
Dry air flow meter	Digital display
Spray pressure gauge	Bourdon tube pressure gauge, measuring range : 0 to 0.3MPa (0 to 3kg/cm2)
■ Standard	
Power source (50/60Hz)	AC 200/230V, single phase 14A/13A
External dimensions(W×D×Hmm)	760×420×1,350
Weight	Approx. 110kg

GF22 (Pulvis Mini Bed Attachment)	
■ Structure and Standard	
Processing capacity	50 to 300g (batch method)
Fluid bed chamber capacity	3L
Spray nozzle	Two-liquid nozzle used
Stirring blade	Incorporated in the fluid bed chamber (using a stirring system of Model GA22)
Filter	Polyester (carbon fiber mixed PTFE membrane laminate)
Filter cleaning	Pulse jet system (using a compressed air blowing system of Model GB22)
Glass parts	Super-hard glass
Weight	Approx. 13kg