

# FLUID BED DRYER: GFGQ-300

The IOPAK GFGQ -300 Fluid Bed Dryer has many uses within the food, pharmaceutical and chemical industries and is simple to operate and clean.

Fluid bed drying and processing enable the transformation from wet powder into dry powder and powder into agglomerates and granulates. It can dry, cool, agglomerate, and granulate many products such as : Food & Dairy, Chemical, Cosmetics & Plastics.

Batch Fluid Bed Drying is an effective type of solid drying as the entire particle surface of each individual particulate (powder, granule, pellet, agglomerate) is being dried in the flight phase. The product is dried gently and the heat transfer is excellent.



NEW & INNOVATIVE PRODUCTS



**PPN** MACHINERY PROPRIETARY LIMITED  
THE COMPLETE PACKAGE

# FLUID BED DRYER: GFGQ-300

STOCK ITEM: 15168G

## Specifications

- Capacity: 300kg/hr
- Bowl Diameter: 1600mm
- Volume of Bowl: 1400L
- Fan: 30kW
- Air-flow of Fan: 7800 cu meters/hr
- Air Pressure of Fan: 9800Pa
- Stirrer Power: 1.5kW
- Stirrer speed: 7 rpm
- Steam Consumption: 366kg/hr
- Drying Time: 15 - 60 min

## MECHANICAL COMPONENTRY FILTER SYSTEM

- 1) Elementary effect filter s/s
- 2) Sub-high effect filter (frame type)
- 3) Draught Fan 30kW
- 4) Frame (304 SUS)

## HEATING SYSTEM

- 1) Steam radiator ~ Electric heating available
- 2) Frame (304 SUS) 1.2mm thickness

## MAIN BODY

- 1) Air inlet device (adjusting valve plate)
- 2) Supporting Base (Assembly parts) 304SUS
- 3) Base support plate SUS304
- 4) Slider - SUS304 (3mm)
- 5) Mat net - SUS304
- 6) Punched-plate - SUS304 (3mm)
- 7) Stirring reductor - 1.5Kw
- 8) Seals - Silicon rubber
- 9) Bag shelf - Assembly parts
- 10) Filter bag - Needling wool - Electrostatic prevention
- 11) Stirring device - Assembly parts

## PNEUMATIC ELEMENTS

- 1) Lifting cylinder - Back flange
- 2) Bag vibration cylinder - Front flange
- 3) Electromagnetic valve -
- 4) Metal Hose (high temperature resistant)

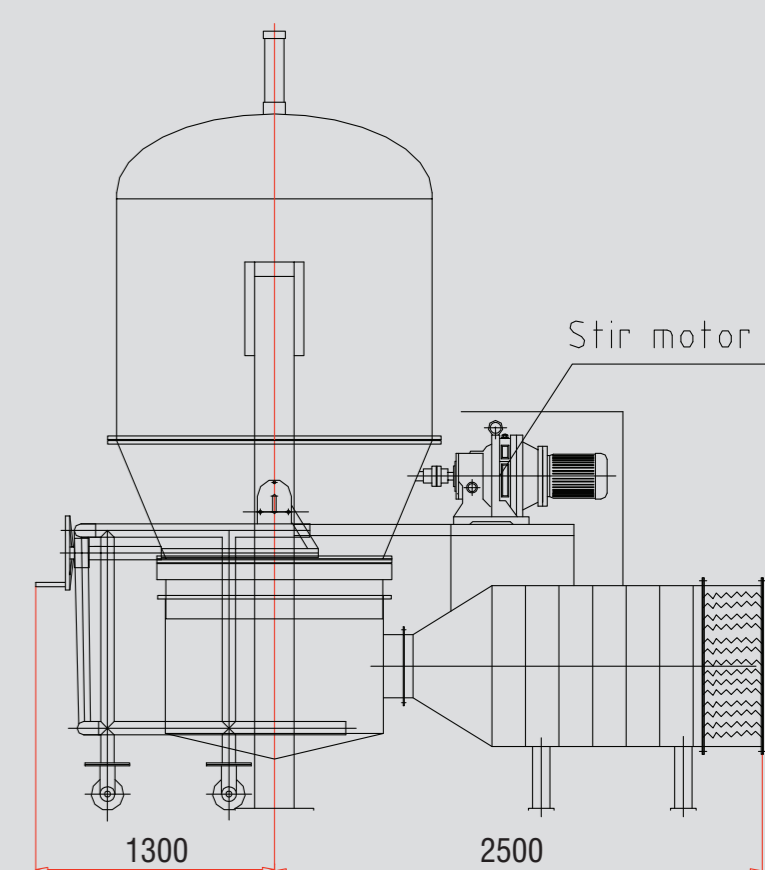
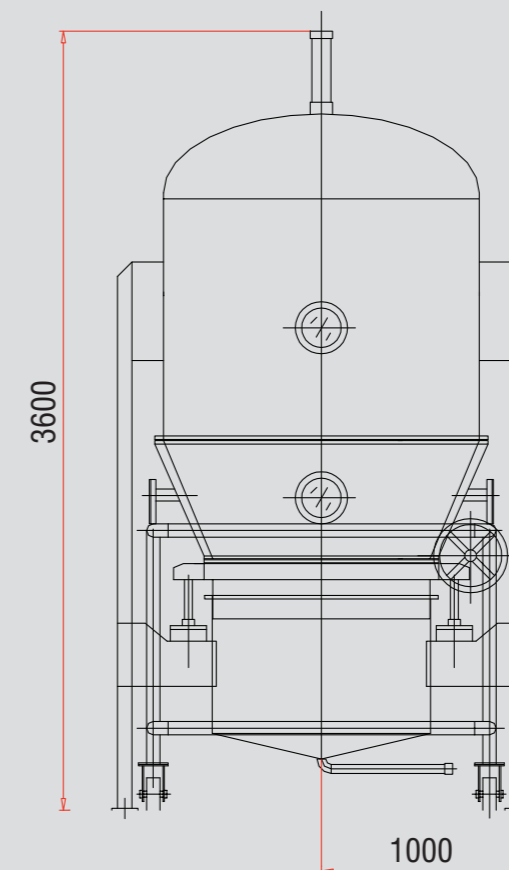
## CONTROLLING SYSTEM

- 1) Electrical cabinet plate SUS304
- 2) Controlling appliance - Siemens

## OPTIONAL

- 1) PLC
- 2) Touch Screen
- 3) Transducer

NEW & INNOVATIVE PRODUCTS



**PPN** MACHINERY PROPRIETARY LIMITED  
THE COMPLETE PACKAGE

PROCESSING & PACKAGING EQUIPMENT CUSTOM DESIGN SERVICES  
For more information on this machines call sales: +61 3 9791 7011 or any others visit: [www.iopak.com](http://www.iopak.com)