

## *FZG Square Shape Vacuum Drying Equipment*



It is well known that vacuum drying is to put raw material under the state of vacuum for heating and drying. If use vacuum to pump air and humidity out, the dry speed will be faster.

Note: if use condenser, the solvent in raw material can be recovered. If the solvent is water, condenser might be canceled and the investment and energy could be saved.

### **Applications**

It is suitable for drying heat sensitive raw materials that can decompose or polymerize or deteriorate at high temperature. It is widely used in pharmaceutical, chemical, foodstuff and electronic industries.

### **Features**

- Under the condition of vacuum, the boiling point of raw material will decrease and make the evaporation efficiency higher. Therefore for a certain amount of heat transfer, the area of heat transfer for evaporator can be saved.
- The heat source for evaporation may be low pressure steam or surplus heat steam.
- The heat loss is less.
- Before drying, the treatment of disinfection may be carried out. During the period of drying, there is no impurity material mixed. It is in conformity with the requirement of GMP.
- It belongs to static dryer. So the shape of raw material to be dried should not be destroyed.

## Parameter

item	spec	FZG-15
interior size of chamber (mm)		1500x1220x1400
exterior size of chamber (mm)		2060x1513x1924
layers of baking shelf		8
interval of baking shelf (mm)		122
size of baking tray (mm)		460x640x45
number of baking tray		32
drying capacity (kg)		64
permitted pressure inside the pipe of baking shelf (MPa)		$\leq 0.784$
temperature inside chamber (°C)		$\leq 150$
vacuum level inside chamber without load		-0.09~0.096
type and power of vacuum pump without condenser		SK-6 11kW
weight of drying chamber (kg)		2100