

YZG Round 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	YZG-600	YZG-1000	YZG-1400	FZG-15
interior size of chamber (mm)	Ø600x976	Ø1000x1527	Ø1400x2054	1500x1220x1400
exterior size of chamber (mm)	1153x810x1020	1740x1226x1385	2386x1657x1800	2060x1513x1924
layers of baking shelf	4	6	8	8
interval of baking shelf (mm)	81	98	102	122
size of baking tray (mm)	310x600x45	460x640x45	460x640x45	460x640x45
number of baking tray	4	12	32	32
drying capacity (kg)	8	24	64	64
permitted pressure inside the pipe of baking shelf (MPa)	≤0.784	≤0.784	≤0.784	≤0.784
temperature inside chamber (°C)	≤150	≤150	≤150	≤150
vacuum level inside chamber without load	-0.09~0.096			
type and power of vacuum pump without condenser	SK-1.5 4kW	SK-3 5.5kW	SK-6 11kW	SK-6 11kW
weight of drying chamber (kg)	250	800	1000	2100