

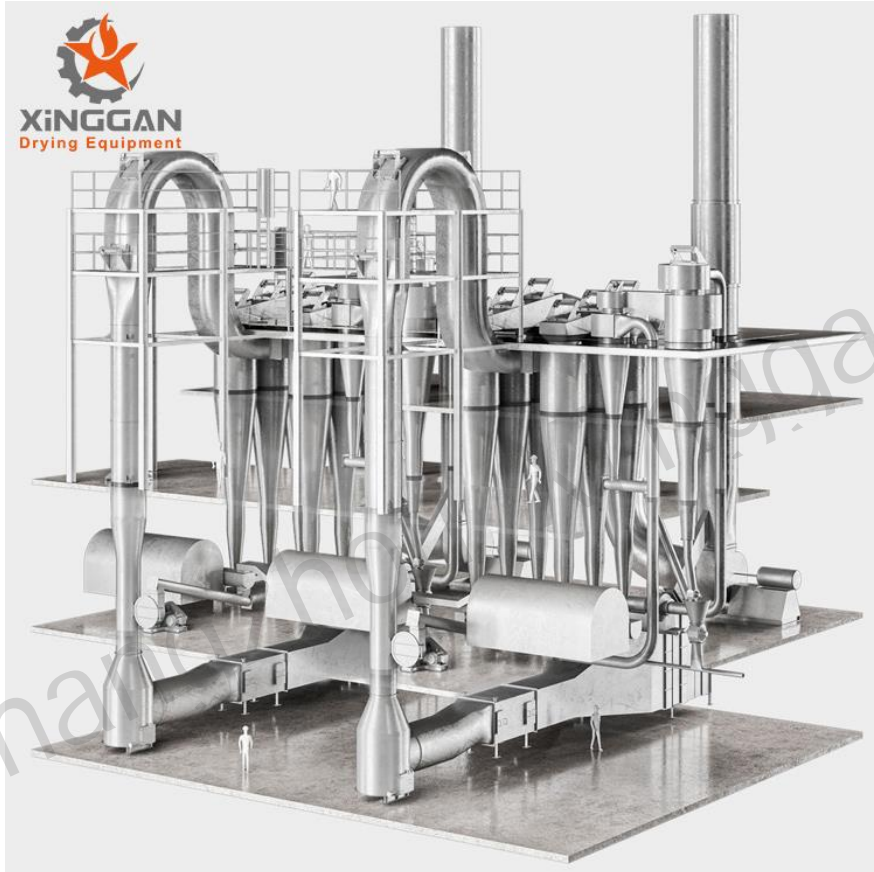
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## QG Series Pneumatic Dryer



## Description

QG impulse pneumatic dryer is for mass-drying. In principle of instant drying, it uses fast-moving heating air to drive wet materials suspending in the hot air, thus entrance the whole drying process and improve heat and mass transfer rate. Materials after pneumatic drying can be removed almost all nonbound water(for example, materials like starch's moisture content is about  $\leq 40\%$  when feeding, while this rate can be reduced to 13.5% when the finished materials are discharged), and won't become deteriorated. The machine can significantly increase yield compared with ordinary dryer, thus users can obtain a higher economic efficiency in the short term.

## Application

QG pneumatic dryer can be applied for the drying and dehumidification of powdery materials in industries of pharmaceutical, chemical, food, building materials, plastics and so on. For example: the drying of starch, fish meal, salt, distillers' grains, forage, gluten, plastic resin, fine ore, coal, mucochloric acid, A·S·C benzoic acid, 2·3·acid, poly vinyl chloride, polypropylene, sodium sulfate, sodium metabisulfite and other materials. Our company has foreign consultation of pneumatic dryer available. On behalf of our clients we also design and produce non-typical pneumatic dryer.

# Features

We import advanced technology and equipment from the USA to produce and manufacture QG pneumatic dryer. Through unique design, our equipment has reached international advanced and first-class level. The whole set of this equipment has high degree of automation, costs less investment and energy, occupies less human and workshop area. It is an ideal modern equipment which can be used universally.

## TECHNICAL PARAMETERS

QG Model/Specification		QG-50	QG-100	QG-250	QG-500	QG-1500
Water Evaporation kg/h		50	100	250	500	1500
Air Filter	Area(m <sup>2</sup> )	4	6	18	36	60
	Qty	1	1	1	2	2
	Exchange Time(h)	200(Bag)	200(Bag)	200 Bag)	200(Bag)	200(Bag)
Heater	Area(m <sup>2</sup> )	30	43	186	365	940
	Steam Consumption (kg)	120	235	450	972	2430
	Working Pressure (Mpa)	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8
Ventilator	Model	9-19-4.5	9-26-4.5	9-19-9	9-19-9	9-26-6.3
	Qty	1	1	1	2	4
	Power(kw)	7.5	11	18.5	37	125
Feeder	Feeding Capacity(kg/h)	150	290	725	1740	4350
	Control Mode	Electromagnetic Speed-Adjusting Motor				
	Power(kw)	0.6	1.1	3	3	7.5
Cyclone Separator	Model	CLK-350-400	CLK-500-450	ZF12.5	ZF12.5	
	Efficiency (%)	98	98	98	98	
	Qty	2	2	2	3	
Bag Filter	Qty	1	1	1	1	1
	Compress Air Consumption	3.6-20.0				

Model/item	Water Evaporation(kg/h) (Surface Water)	Power (kw)	Occupied Area (m <sup>2</sup> )	Height (m)
JG-50	50	10	20	9
JG-100	100	20	32	11
JG-200*	200	31	40	11
JG-250	250	32	64	13
JG-500*	500	54	96	13
JG-1000*	1000	135	120	15
JG-1500*	1500	175	200	16

Model/Item	Water Evaporation (kg/h)	Power (kw)	Occupied Area (m <sup>2</sup> )	Thermal Efficiency (%)
FG-0.25	113	11	3.5x2.5	>60
FG-0.5	225	18.5	7x5	>60
FG-0.9	450	30	7x6.5	>60
FG-1.5	675	50	8x7	>60
FG-2.0	900	75	11x7	>60
FG-2.5	1125	90	12x8	>60
FG-3.0	1150	110	14x10	>60
FG-3.5	1491	110	14x10	>60

# More Photos

