

## *Fluid Bed Dryer FG Series*



FZG series vacuum dryer is suitable to dry heat-sensitive materials at low temperature which is easy to decompose, polymerize and deteriorate. It is widely applied in the industries of pharmaceutical, chemical, food and electronics, etc.

The Fluid Bed Dryer is a highly versatile processing machine extensively utilized in the pharmaceutical industry for solid preparation production. It serves various functions such as mixing, drying, and granulation, making it an indispensable tool in pharmaceutical, chemical, and food industries. UPMACH has successfully researched and developed these innovative fluid bed dryers, taking into account the market's actual conditions and incorporating internationally advanced technology.

UPMACH's fluid bed dryers boast a range of features, including a well-designed structure, stable performance, user-friendly operation, absence of dead corners, and concealed bolts. The machine incorporates PLC automatic control, ensuring seamless operations based on user-defined process parameters. Furthermore, all process parameters can be recorded and printed, guaranteeing the authenticity and reliability of the original records. The system fully complies with the Good Manufacturing Practices (GMP) requirements for pharmaceutical production.

## Technical Parameters:

Model	FG-15	FG-30	FG-60	FG-120	FG-200	FG-300	FG-500
Bowl volume (L)	45	100	220	330	577	980	1530
Production capacity (kg/batch)	5-15	15-30	30-60	60-120	120-200	200-300	300-500
Fan power (kw)	7.5	11	18.5/22	22/30	30/37	37/45	75
Electric heating power (kw)	30	30	30	45	80	90	120
Steam pressure (MPa)	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6
Steam consumption (kg/h)	180	180	300	360	420	480	677
Compressed air pressure (MPa)	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6
Compressed air consumption (m <sup>3</sup> /min)	0.4	0.9	0.9	1	1	1.5	1.8
Approx. Weight of host machine (kg)	800	1000	1200	1400	2000	2500	3500