

Saucer Type Fluidization Coater

Applications:

The equipment is mainly used for drying and coating (film coating, enteric coating, and protective layer coating) of pellets/particles. It is also used in the process of taste masking and coloring for powders and beads.

Features:

1. The side spray atomization design ensures up to 99% coating material usage and higher coating efficiency than conventional fluidized beds. Enteric coating weight gains up to 5% per hour. It needs only 2 to 4 hours to reach acid proof.
2. A special ventilating plate ensures sufficient air flow and heat dispersion on the bottom, making heat exchange more efficiently. Therefore, the coating process is efficient and effective.
3. The device brings complete mixing with rotating airflow, achieving better coating uniformity than that from a conventional fluid bed.
4. Materials has less abrasion. Pellets are less broken. It is particularly suitable for low strength pellets coating.
5. The enteric coating collapse phenomenon is eliminated completely through the unique material move pattern.
6. GMP standard, three-level security authorization, parameters controlled by PLC, auto-save for all data which can be exported by USB devices.

Lab, Pilot and Production Models and Technical Data

Model	LH250	LH380	LH500	LH800	LH1200
Production Capability (kg/h)	0.3-1.5	1.5-5	3-10	10-60	50-150
Working Chamber Dia (mm)	250	380	500	800	1200
Speed (rpm)	50-480	50-480	50-480	30-300	15-150
Spray gun (unit)	2	2	2	4	8
Heating Method	Electric/ Steam				
Inlet air temp. (°C)	Room temp. -90°C				
Total Power (kw)	7.5	15	30	45	70
Dimensions (mm)	600×600×1300	850×600×1400	1000×680×1500	1400×1100×1900	1950×1500×2400

