

DPL Series Multi-Purpose Fluid Bed Processor



This equipment is set with top spray, bottom spray, and tangent spray functions in order to carry out drying, granulation, coating and pelletizing processes. And this equipment absolutely comply with the requirements of GMP.

This equipment is designed and manufactured on the basis of absorption and digestion the similar products in foreign country.

Features

1. This equipment integrate mixing, granulating, and drying in one unit, and able to record and print multi-group operation process parameters through PLC and HMI control.
2. High drying efficient, uniform particles
3. Inlet AHU consists of 3 grade filter, including primary filter(G4), medium efficiency filter(F8), HEPA filter(H11-H13).
4. Equipped with cold and hot air throttle, with high precision temperature control, and using PID automatic control
5. The exhaust dust collection filter is optionally designed for protected environment.
6. Lifter unloaded or vacuum unloading is designed and offered to form the dust free unloading from DPL fluid bed system in order to meet the requirements of current GMP regulation.
7. Anti-explosion as option, the 2 bar, 10 bar and 12 bar powder explosion proof design is selectable.
8. Dehumidification system and WIP online cleaning system are optional.

Technical Parameters

Items		Unit	DPL5	DPL10	DPL20	DPL30	DPL60	DPL120	DPL200	DPL300
Materials Bowl Volume	Top spray	L	22	45	55	100	220	460	670	1000
	Bottom Spray		13	25	32	75	100	180	380	860
	Tangent Spray		10	15	28	50	80	120	180	--
Production Capacity :	Top Spray	Kg/batch	5	10	20	30	60	120	200	300
	Bottom Spray		5	10	20	30	40	60	150	200
	Tangent Spray		5	10	15	25	40	60	100	--
Steam	Pressure	Mpa	0.4-0.6							
	Consumption	Kg/h	30	30	65	75	150	200	290	460
Compressed air	Pressure	Mpa	0.4-0.7							
	Consumption	M3/min	0.8	0.8	1	1	1.5	2	3.5	3.5
Fan power		kw	5.5	5.5	7.5	15	22	30	37	55
Overall Dimension	B	mm	1200	1200	1450	1450	2680	2800	3200	4200
	E	mm	2550	2850	3250	3250	3750	3750	4600	4850
	A	mm	2800	2800	3000	3000	3230	4250	4960	5450
	Φ	mm	550	600	600	750	1000	1200	1400	1600