SaintyCo

Pharma Process & Packaging

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Film Coating Machine

VGW-C Series

CATALOGUE

High-Efficiency Poreless Coating Machine

VGW-10C VGW-150C

VGW-75C VGW-350C

Application:

The **VGW-C** Series high-efficiency poreless film coating machine is a high-efficiency, energy-saving, safe, clean, computer-controlled and mechatronis equipment which is used for coating sugar, organic film, water soluble film, slow and controlled release film on traditional Chinese and Western tablets and pills(including micro-pills, small pills, water-bindered pills, drip pills and granulated pills) and conforms to the requirement of GMP. It is a high-tech product first successfully developed in china by this factory.

Features:

- It has all the features of VGB-E Series high-efficiency filmcoating machine.
- The film coating drum is with a poreless structure. AboveΦ0.6mm tablet coating, versatile in use.
- It has a specially structured air distributing system, and the air intake and exhaust pipes can be interchanged according to the needs.
- Different materials are equipped with different air paddles. The paddles can be embedded into or taken off from the material according to technology needs.
- It has a special purging water discharge unit.

Internal structure of coating drum

Air distributing device

Working Principle:

The tablet cores(micro-pills, small pills or plain tablets)to be film coated make continous complicated orbital motion within a closed rotating drum under the action of a streamline guide plate. Controlled by computer and according to the optimum technological parameters, they are automatically sprayed with film coating medium while hot air under a negative pressure is led in from one side of an air distributing pipe at the center of the drum, clean hot air penetrates through the tablet core layers and is discharged after being collected to the other side of the air distributing pipe by a pore duckbill-shaped(or oval)air paddle embedded in the tablet core layers, so that the film coating medium spreyed on the surface of tablet cores will dry rapidly and evenly, thereby forming a layer of solid, compact, neat and smooth surface film.

Main technical parameters	VGW-10C	VGW-75C	VGW-150C	VGW-350C
Production capacity(Kg/run)	10	75	150	350
Speed-adjusting range of filmcoating drum(rpm)	6-30	4-19	3-15	2-11
Motor power of main machine(Kw)	0.55	1.5	2.2	4.0
Temperature-regulating range of hot air(℃)	Normal temperature~80			
Filtration accuracy of hot air(μm)	0.5μm(100000grade)			
Motor power of hot air machine(Kw)	0.75Normal hot air machine	1.1	1.1	2.2
Motor power of exhaust machine(Kw)	3	3	5.5	7.5
Motor power of vibration dust-cleaning device(Kw)	0.37	0.37	0.37	0.37
Motor power of peristaltic pump(Kw)	0.18	0.18	0.18	0.18
Overall dimension of main machine(mm)	1000x 1500x 1600	1250x 1900x 1900	1450x 2200x 2100	1740x 2500x 2270
Weight of main machine(Kg)	560	700	1100	2000

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