

Z40 Semi Automatic Capsule Filling Machine



This machine is intended for filling hard-shell gelatin capsules with granulate, pills and micro pellets, liquid, soft-gel capsules, It can realize maximum 2 kinds of drugs mix filling, Dosator Type, The encapsulation machine complies with the GMP requirements.

Operation principle

The Dosator type encapsulation machine automatically orients capsules and sequentially performs the following operations with capsules: feeding, opening, prepacking, rejecting unopened capsules, closing and discharging.

Composition of the Machine

The machine consists of the main rotor, the feeding system for empty capsules, the system for feeding and dispensing granulate, the control system.

Materials used

- The machine body surface: stainless steel 304.
- The parts in contact with the filled material (hopper, scrapers, tanker, tanker cover, tube, piston): 304or 316L, conform with the contract request and FDA request.

Technical parameters:

Description	Units	Data	Note
Equipment		Z40	
Maximum Productive Capacity	Cap/h	40,000 gra. /hour	
Max. Revolving Speed	r/min	111 round/ min	
Type of size change parts		000#-5#	
Drug		Powder	
Powder	KW	10KW	
Air Compress Flow	l/min	100 l/min	6Bar
Noise	dB	70Bb	
Weight	KG	1	
Aspirator			
Type		CFM-3151	
Working Power	V	380V	
Motor Power	KW	2.2Kw	
Air Volume	l/min	3,850 l/min	2,500mm H2O
Noise	dB	65Db	
Vacuum Pump Parameter			
Type		Becker	
Working Power	V	380V	
Power	KW	2.2KW	
Flow	m ³ /h	100 m ³ /h	
Noise	dB	65 dB	