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NJP-800 FULL-AUTOMATIC CAPSULE FILLING MACHINE



1 General description

Model NJP-800 Filling machine is batch type multi-position hole-metering, full-automatic filling machine, which is characterized by novel structure, advance design, accurate dosing, adjustable filling weight, easy operation and speed adjustment by frequency conversion. With various molds fixed, 0# to 4# rigid capsule may be filled with a rate of 800 pieces/min. It is reliable in operation and have a high soundness ratio of capsule. Their capacity is twice of that of other type 400 filling machines.

2 Working principle

During operation, the capsules in the hopper shall be successively vertically fed into the feed fork of the dividing-feed unit. By one downward movement, the feed fork will feed 6 capsules downwards with their caps upside. In the first station, the vacuum separation system sequentially feeds the capsules into molds and separate their caps from bodies. When the table discontinuously rotates to second position, the upper mold will raise and move inwards. In the fifth station, the filling rod will push the compacted powder column into the capsule in lower mold and the non-separated capsules will be removed in the eighth station. The upper and lower mold will be closed together in the tenth station, and the lower capsule body is pushed upwards to fully sealed. In the eleventh station the sealed finished capsule is discharged and collected. In the twelfth station, the dust collector will clean the openings in the molds and then a new cycle begins. The powder column is formed by 5 times of filling and compacting in the discontinuously rotating dosing disk.

3 Technical and performance parameters

3.1 Outside dimensions: 950 × 785 (1800 + 300)mm

3.2 Weight: 800 kg

3.3 Power supply: 380V,3-phase 4-wire system 50 Hz, 4.5 kVA

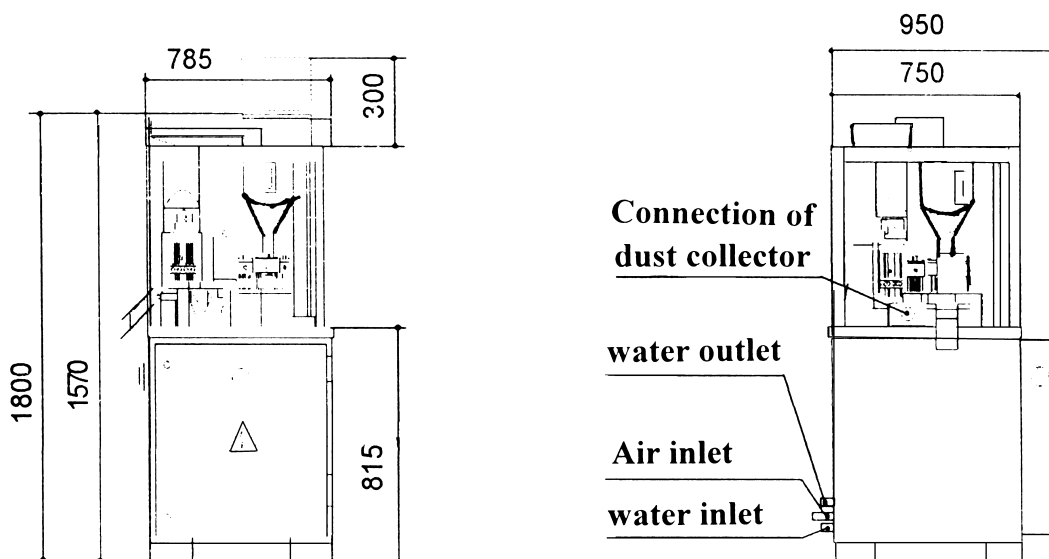


Fig. 1: Outside dimensions of the entire machine

3.4 Requirement of water supply

Pressure: 0.4 MPa

Flow rate: 250L/h

Inner diameter of inlet tube: 6mm

Inner diameter of outlet tube: 32 mm

3.5 Dust collector

During operation the machine shall be provided with a dust collector of an exhaust capacity of 300 m³/h to suck out the defective capsules and residual powder.

3.6 Requirement of air supply

When the capsules are difficult in discharge, they shall be blown out by compressed air.

4、 Documentation

we will provide the following documentation along with the machine.

Instruction manuals (English) include the following:

- Operation manual
- Certification
- Introduction of temperature-controlling instrument
- Introduction of Motor drive
- Change list
- Wiring diagrams, etc.
- VCD