



Automatic External Vial Washing Machine **SBEW-200**



Description :

The External Vial Washing Machine is designed to wash the outer surface of round shaped Vials [5ml to 100ml Vials]. This machine washes the outer sides of Vials and eliminates the particles that are formed on the vials, which are previously filled and sealed.

Operation :

From the in feed Turn Table the vials are fed into the External Vial Washing Machine conveyors. The machine consists of two conveyors on which the vials are properly fed and transported from in feed Turn Table for the washing operation. Two operations are carried out on this machine. First the vials are washed by water jet and then dried by air jet. On the sides of the conveyor a set of spray nozzles are fitted on each conveyor for water jet. One set of knives blocks are provided on each conveyor for air jet. The air is sprayed through this knives.

The Knives are fitted in a inclined manner which ensures that the air that is sprayed reaches each corner of the vial which are previously washed. After washing and drying the vials are guided to the out feed Turn Table. Before reaching the out feed Turn Table a special arrangement is provided to dry the vial from the bottom side.

A set of syringes are provided on the sides of each conveyor at the exit end which sprays the air jet on the bottom part of the vial resulting in the drying of the vials. This machine is completely operated by PLC. A covering of Acrylic cabinet is provided in the machine which when opened

up during the operation immediately stops the supply of water & air and shows the indication with alarm in the PLC.

Salient Features :

- Total cGMP model
- S.S frame structure
- Can handle vial sizes from 5ml to 100ml without any change parts (No change parts required)
- "NO VIAL NO WASHING" system eliminates wastage of water & air
- Easy cleaning & maintaining
- Machine is equipped with PLC system.
- Stops supply of water & air when acrylic doors opened during operation.
- Indication & alarm in PLC.
- Normal water required for washing. No hot water required
- When there is no vial on conveyor, it stops the water & air supply.

Basic Machine :

- PLC Control for the machine.
- In feed & out feed Turn Tables.
- Imported Gear motor for main drive, unscrambler and scrambler
- A.C frequency drive for main drive, unscrambler and scrambler.
- "No vial No Washing" system.
- Acrylic cabinet for machine.

Utilities : (To be provided by buyer)

Pneumatic Air : Filtered, oil free, sterile low pressure Air at 5kg / cm²(4 / 6 bar) 150 CFM.

Water supply : 120 Liters / hour (Approx)

Technical Specifications of Vial Washing Machine

Model	SBEW - 200
Direction	Left To Right
Production Rate.	Up to 200 Vials / Min. for single dose
Electrical Supply	210 Volts 3 Phase 50/60 Hz (5 wire)
Power Requirement	2 HP
Height of Conveyor	900 mm (approx.)
Dimensions	3850 mm (L) X 950 mm (W) X 1650 mm (H)
Net Weight	650 KGS. (Approx.)
Gross Weight	1425 KGS. (Approx.)
Input Specifications	
Container Diameter	25 MM to 60 MM MAX.
Height	38 MM to 120 MM.