Linear Tunnel Type Vial Washing Machine

The Linear tunnel type vial washing machine is automatic washing machine specially designed for Vials of Glass of different sizes (mainly of 5 ml to 30 ml). A washing machine that is fully designed by stainless steel including frame design. Linear tunnel type vial washer ensures the quality of washing. The most important thing is that it saves more water with No Vial-No washing techniques. This machine is widely used in Pharmaceutical Industries to wash large amount of Glass Vial. Linear glass vial washer work in five different washing zones.

Important Features

- Fully automatic at in-feed time and at Exit time of Vials
- Each washing zone work with Independent circuit to reduce contamination
- Build-in 2 pumps and 2 tanks
- Vial washing machine constructed with SS-304 material
- Machine is suitable to wash for 5 ml to 30 ml vial size
- Water re-cycling management is possible as per customer’s need.

Operating Process

In this process their is three-cycle rinsing that allows adaptability of various washing cycles such as fresh water and dematerialized water in accordance to rinsing of required vial. All the pumps are formed of SS and all the water contact parts are also formed of SS 316 on a heavy base of SS structure.

It is designed in such a manner that separation is maintained between feeding zone and discharge zone of the cleaned containers In this process the mechanical drives are removed and isolated from the washing zone. All the approved materials only are used for construction, together with a careful choice of components, thereby taking it into the consideration all aspects of sanitation and consequence complying with the pharmaceutical G.M.P. requirements. The quality of rinsing is only ensured with 3 sets of inner and 2 sets of outer nozzles accurately placed to direct the jet at center of the vial and the vial comes out with water totally drained with minimum droplets of water.

Technical Specifications

- Specially designed for 5ml to 30 ml Vials
- Consumption of Air around 12 to 15 CFM
- Consumption of Water around 400 to 600 Lt/Hr.
- Washing area Five section can be set as per requirement
- Water Tank capacity required 2 nos. Each with Ltrs.
- Consumption of Electric needed 220 VAC Single Phase Power supply
- Speed limit 90 to 120 Vials / Min depending on Vials sizes
- Height of Conveyor 850 to 940 mm