

Linear Tunnel Type Vial Washing Machine DTVW-120



The tunnel type vial washing machine is used for the washing of vials in the Pharmaceutical industries. The machine has a automatic loading arrangement for the loading of vials on a mesh conveyor through a feed conveyor. Linear tunnel type vial washer saves manpower by its automatic loading arrangement of vials. The online tunnel vial washer is suitable for washing of 5 ml to 30 ml of size. A special machine is also designed for washing of 2 ml size vials. It is built on a stainless steel structure with SS-304 material. The contact parts of linear tunnel type vial cleaning machine are made up of Stainless Steel 304. Linear washing machine also find applications in Dairy, Distilleries, Breweries, Cosmetics and Food industries.

Process of operation

The vials are fed into the infeed tray and moved on the woven conveyor belt. Then the vials are aligned in the correct position by the conveyor belt. The vials enter into a carrier pocket with the help of oscillating guide rails. An oscillating arm transfer the vials in to the pocket over the spray nozzles in the inverted position. The vials are washed from the inner as well as outer side. Every washing station has its independent circuit to avoid the contamination. The needles are automatically lifted on the completion of motion of baskets. Needles enter the vials and sprays jets of water and then returns out of the vials. The baskets then move forward by one position and the cycle is completed.

Salient Features:

- Five washing zones with 50 jets
- Suitable to wash vials of size 5 ml to 30 ml
- Adjustable washing sequence
- Independent circuit for each washing zone
- Automatic in-feed and out-feed of vials
- No change parts required, saving time of change over

Technical Specification

MODEL NO :	DTVW-120
VIAL SIZES :	5 ml to 30 ml Vials
AIR CONSUMPTION :	12 to 15 CFM
WATER CONSUMPTION :	450 to 650 Litre per hour
WASHING ZONE:	Five zone can be set as per required sequence
WATER TANK :	2 nos. Each with 50 Ltrs. Capacity
VIAL DIAMETER :	20 mm to 32 mm*
ELECTRIC SUPPLY :	220 VAC Single Phase Power Supply (50/60 Hz)
POWER :	4.0 H.P.
SPEED :	Max. 90 to 120 Vials per minute depending on Vial Size
CONVEYOR HEIGHT :	815 to 940 mm
OVERALL DIMENSIONS :	2750 mm (L) x 1750 mm (W) x 1675 mm (H)