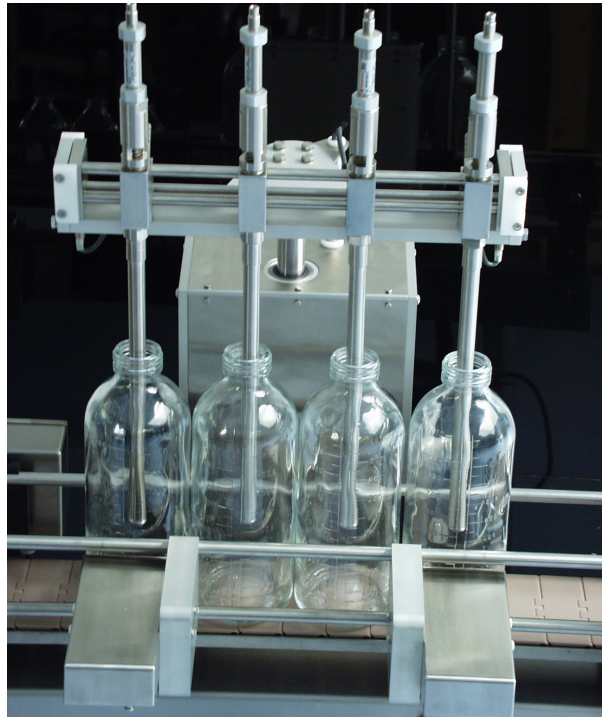


EBU252

OEM - ELECTRIC BOTTOM-UP FILLING SYSTEM



- Separate bottom-up filling station
- Filling volumes up to more than 1 litre in each bottle
- Easy to mount on new or existing conveyor systems
- Up to four filling nozzles

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EBU252

TECHNICAL SPECIFICATIONS

The EBU252 system is developed as a separate bottom-up filling station; it can easily be connected to any conveyor, irrespective of the type or brand, and can work together with Flexicon's gating system and the Flexicon filling machines PD221 or GD301.

This combination creates an automatic filling system with up to four filling nozzles, with filling volumes up to more than 1 litre in each container.

EBU252 has an adjustable top position, so the nozzles can be adjusted to stop just after they have left the top of the container. This will avoid any unnecessary movement and maximize the capacity.

EBU252 works according to logistics:

EBU252 receives a start signal (from the gating system), and the nozzles start to move to the bottom of the containers.

When the nozzles reach the bottom position, a start signal will be sent from EBU252 to the filling machine and the nozzles will start to move upwards.

The nozzles will move to the top position when the filling has been completed, and EBU252 will send a signal to the gating system to exchange the bottles.

The system has adjustable filling speed and bottom delay:

Filling speed:

This is the speed with which the nozzles travel upwards from the bottom position and this speed is active as long as a filling is being performed. The speed must be set so the end of the filling nozzle follows the product level in the container, which is being filled.

Bottom delay:

Adjustable delay from start of filler until filling nozzle begins to travel up during the fill. To prevent foaming the delay should be set so the product reaches the end of the filling nozzle when the filling nozzle is at the bottom position.

The transport speed is a fixed speed with which the nozzles travel to the bottom position. The transport speed is also the speed with which the nozzles travel from end of filling to the adjusted top position.

The travel speed is higher than the filling speed, this is done to save time and generate maximum capacity.

The nozzle bar is equipped with a security sensor, which will detect if the nozzles hit a bottle, a hand or another barrier during the downward movement. If the sensor is released, the nozzle bar will return to its top position.

Filling volume:

Up to more than 1 litre in each container

Number of filling nozzles:

Up to four nozzles

Transport distance:

250 mm – bottom position is fixed, top position adjustable

Mains:

110/230 VAC earthed

Power consumption:

Max. 150 W

Ingress protection:

IP54

Weight:

17 kg

Interface:

EBU control:
Input: START 24 VDC
Output: EBU BUSY (oc)

Filler control:

Input: FILLER BUSY
Output: START FILLER