

Flexicon[®]
DENMARK

FP50



YOUR LIQUID FILLER | JUST A PIECE OF TUBING

TABLETOP FILLING AND PLUGGING MACHINE

Aseptic filling and plugging

up to 25 vials per minute | peristaltic filling from 0.1 to 100 ml | partial or full plugging





FP50

TABLETOP FILLING AND PLUGGING MACHINE





FP50 is a universal and aseptic tabletop filling system with integrated full or partial plugging of rubber stoppers for use in pharmaceutical R&D departments and bio-pharma companies who aim at avoiding transfer of delicate, expensive and critical products to other facilities.

FP50 is designed to be placed in a bench LAF cabinet or an isolator. All materials and surfaces are designed to meet cGMP standards for aseptic filling.

FP50 is the perfect alternative to expensive contract filling of small batches or the purchase of change parts for existing production lines. FP50 eliminates the lead-time and heavy expenses for change parts related to high-speed machines and ensures a continuous production without interruption.

FP50 provides a ready-to-use validated filling system to carry out clinical trials and small batch production of vial sizes between 2 ml and 100 ml.

The peristaltic filling system on FP50 eliminates the costs and problems of having product and volume dedicated volumetric filling pumps in stock. With the entire fluid path designed for single use, all history documentation related to the volumetric pumps is unnecessary, making cleaning validation extremely simple. The filling accuracy of the peristaltic filling system is better than +/-1%. Yearly savings are substantial.

- up to 25 vials per minute
- peristaltic filling from 0.1 to 100 ml
- filling accuracy better than +/-1%
- partial or full plugging
- both Ø13 mm and Ø20 mm plugs in the same vibrator bowl
- milled vibrator bowl in AISI316L stainless steel
- sized for LAF bench installations
- prepared for isolator

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An adjustable working beam with central adjustment of vial guides transports vials from the feeding turntable and to the different working positions. Thus no change parts are required for the entire vial range.

Change parts for plugs consist only of the chute, jaws and piston. These parts are very easy to exchange and are included in the system price.

FP50 has integrated support of pre- and post gassing nozzles, and electrical interface for control of a gas solenoid valve.

Optional position of infeed tray provides straight or L-shape footprint. This allows the possibility of installing FP50 in a standard 600 mm depth LAF bench.

Collection of vials takes place on a dead plate with rails. As an accessory, a custom designed tray support system can be supplied.

Operator interface is an easy-to-clean touch screen and keypad. The panel is mounted on a separate control box, remote from the filling unit.

This allows the control panel to be placed outside the LAF bench or isolator, and only three cables have to be sealed through the isolator wall.

The touch screen has self-explanatory menus for control of machine parameters, as well as error indication messages from the sensor system, which monitors the working beam, no vial/no fill, no vial/no plug and number of plugs in the vibrator bowl.

It is possible to store up to 20 sets of working parameters as complete working programs. The programs and machine operation can be password protected.

FP50 is the perfect solution to small batch aseptic vial filling and plugging in R&D departments and bio-pharma operations.

TECHNICAL SPECIFICATIONS

Applications:

Filling and partial plugging of lyophilisation plugs on vials
Filling and full plugging of injection plugs on vials

Vial sizes from 2 ml to 100 ml

Ø13 mm and Ø20 mm injection and lyophilisation plugs

Production capacity up to 25 units per minute

Filling volume:

0.1 ml to 100 ml

Accuracy:

Better than +/-1%

Mains:

200 / 230 VAC – 50 / 60Hz

Power consumption:

Max. 500 W

Air supply / Pneumatic connection:

6 bar clean and dry air

Air consumption:

Max. 25 litres per minute

Materials:

Stainless steel, anodised aluminium and product and plug contact parts in AISI 316L

Interface:

2 x RS232 serial communication for balance and/or printer

1 x 24V output signal for nitrogen purge valve

Ingress protection:

IP32 for machine base

IP54 for control panel

Weight:

150 kg

