WATSON MARLOW Flexicon

FP50

TABLETOP FILLING AND STOPPERING MACHINE

– Peristaltic filling from 0.1 to 100 ml

– Partial or full stoppering of 13 and 20 mm stoppers

– Universal format parts reduce costs

– Quick and easy change-over between batches

– No cross contamination

WORLD LEADERS IN ASEPTIC PERISTALTIC FILLING

FP50 TABLETOP FILLING AND STOPPERING MACHINE

FP50 is a universal and aseptic tabletop filling system with integrated full or partial stoppering of rubber stoppers for use in pharmaceutical R&D departments and bio-pharma companies.

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%.

- **Up to 25 vials per minute**
- **Fast and easy change-over between batches**
- **Disposable aseptic fluid path ensures simple cleaning validation**
- **High filling accuracy**
- **Universal format parts for 13 and 20 mm stoppers**
- **Vial format parts are not needed**
- **No special tools needed for format changes**
- **Compact unit with small footprint**
- **Special version for integration into an isolator is available**
- **IQ/OQ documentation can be provided**
- **Standard machine with many reference customers**

Watson-Marlow Flexicon
Frejasvej 2–6
DK-4100 Ringsted
Denmark
Tel. +45 5767 1155
Fax +45 5767 0541
www.wmflexicon.dk

FP50 TECHNICAL SPECIFICATIONS

An adjustable walking beam transports vials from the feeding turntable to the different working positions. Thus no change parts are required for the entire vial range.

Change parts for stoppers 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 tray support for removable trays.

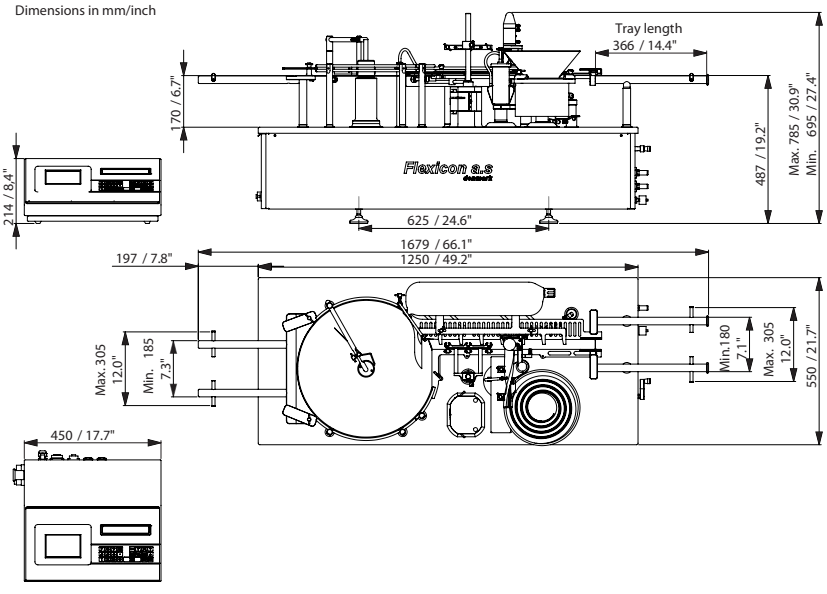
Operator interface is an easy-to-clean touch screen and keypad. The panel is mounted on a separate control box, remote from the filling unit.

This allows the control panel to be placed outside the LAF bench or isolator.

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 walking beam, no vial/no fill, no vial/no stopper and presence of stoppers in the vibrator bowl.

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

FP50 is the perfect solution for small batch aseptic vial filling and stoppering.



Applications:
- Filling and partial stoppering of lyophilisation stoppers on vials
- Filling and full stoppering of injection stoppers on vials
- Vial sizes from 2 ml to 100 ml
- Ø13 mm and Ø20 mm injection and lyophilisation stoppers
- Production capacity up to 25 units per minute

Filling volume:
0.1 ml to 100 ml

Accuracy:
Better than +/-1%

Mains:
110 / 230 VAC – 50 / 60Hz

Power consumption:
Max. 500 W

Air supply / Pneumatic connection:
5 bar clean and dry air

Air consumption:
Max. 25 litres per minute

Materials:
Stainless steel, anodised aluminium and product and plug contact parts in AISI316L

Interface:
2 x RS232 serial communication for balance and/or printer

1 x 24V output signal for gas purge valve

Ingress protection:
IP32 for machine base

IP54 for control panel

Weight:
150 kg

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