

mf120, automatic tube filler for effervescent tablets



General Description

The MEDIPAC mf120 tube filling machine is designed for pharmaceutical manufacturing and is based on a well proven technology for rapid and gentle filling of tablets in tubes.

This automatic tube filling machine is fully GMP-conform and can deliver a nominal capacity of 120 tubes/min.

The combination of electric drives, pneumatics and replaceable format-parts reduces set-up time to less than 30 minutes and provides an extremely wide flexibility in terms of possible product formats.

mf120

Function

Empty tubes are loaded manually by the operator into the tube hub on the machine. As an option can the machine be equipped with an unscrambler for tubes in bulk. If an unscrambler is used are the tubes transferred to the filling machine on a FlexLink conveyor. During transfer can code-reading and/or tube cleaning be performed.

Tablets are fed directly from a tablet press via a tablet conveyor or from a tablets feeder.

On the tablet table of the machine are the tablets guided into 8 channels where they are counted. The preset distance between 2+1 pneumatic stop-pins guarantees an accurate counting. This distance can easily be adjusted to count odd as well as even number of tablets.

After filling is the filling level of the tubes controlled automatically. Thereafter are the tubes capped by the machine and fed out to a transfer conveyor that takes them out of the filling zone. On the last transfer conveyor ca Inkjet printing and bar-code reading is performed.

Technical Data

Format range		Machine data	
Tube length:	50-200 mm	Capacity	120 tubes per minute depending product and the number of tablets per tube.
Tube diameter:	16 - 35 mm	Voltage:	400 V and earth, 50 Hz
Tube material	Plastic- or Aluminium	Power:	Approx. 4,3 kW (4,8 kVA)
Tablet diameter:	14 - 33 mm	Compressed air	7 bar, 700 L/min
Tablet thickness	3 - 10 mm	Weight	Approx. 750 kg

Please observe that the above-mentioned format range can be handled only with more than one set of format parts. Ideal production conditions are temperatures of 18-20 °C and a relative humidity of 20-25%. Materials used are stainless steel (2333), aluminium (4212), Delrin (POM ACETAL) Teflon or Makrolon.

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