

mfb70, airtable (buffer, distribution and dedusting)



mfb70

General Description

The MEDIPAC mfb70 air table is designed for pharmaceutical manufacturing and is based on a well proven technology for distributing, buffering and dedusting of fragile products like effervescent tablets.

This device is fully GMP-conform and can handle more than 150.000 tablets per hour.

The equipment does only need very few change parts for different product formats.

Function

Tablets are fed directly from a tablet press via a tablet conveyer or from a tablet feeder onto the airtable.

Due to the air flow are the tablets spread over the whole width of the tablet table and are dedusted

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 conveyer that takes them out of the filling zone. On the last transfer conveyer is Inkjet printing normally performed.

Technical Data

Format range		Machine data	
Tube length:		Capacity	Min 150.000 tablets per hour
Tube diameter:		Voltage:	400 V and earth, 50/60 Hz
Tube material		Power:	Approx. 1 kW
Tablet diameter:		Compressed air	7 bar, <50 L/min
Tablet thickness	3 - 10 mm	Weight	Approx. 550 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.