Counting & filling system

CF-622 Counting module

The new standard in counting tablets and capsules

The innovative and patented CF-622 counting module is the result of extensive engineering and development. The unique modular design allows for a variable number of counting modules to meet the precise performance requirements of your counting and filling system.

Some design product dosing and vibratory plates provide fast and consistent product flow with only few settings. Six product separator flaps and two additional discharge flaps, all servo-controlled, give the CF-622 its unprecedented speed of up to 45000 dosages per minute an average 100-count.

Standard features

- Servo controlled product dosing slider
- GMP compliant design
- Up to 45 discharges per minute on one 100-count
- Easy to clean
- Maintenance free vibratory plates drive
- Infared product detectors
- Servo controlled separator and discharge flaps

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CFS-622 Counting & filling system

The next-generation bottle filling systems for solids

Clemens' ambition is to remain your leading partner in offering both standard as well as fully customized high-end counting and packaging solutions. This leads to new products and systems suitable for tablets and capsules.

The CFS-622 is the long-anticipated answer to the ever-demanding need of the pharmaceutical industry for increased productivity, efficiency, and smaller floor space. Filling up to 150 bottles per minute, the CFS-622 easily increases the output of any conventional bottle filling line by 50%.

The CFS-622 can accommodate one- or three-counting modules, depending on the required output. Because of its small footprint, it can be seamlessly integrated into any new or existing bottle packaging line with only a few changes. The CFS is able to count almost any type of tablet or capsule and fill almost any kind of plastic or glass bottle, round, oval or rectangular. The HMI-compliant design allows quick and easy cleaning while the fully transparent enclosure allows good accessibility and guarantees complete operating safety.

Standard features
- Centrifugal product hopper
- Screw-driven feed screw and (shaping) filling nozzles
- Bottle reject mechanism
- TouchScreen control panel
- Fully transparent enclosure

Optional features
- Bottle transport verification sensors
- Central dust extraction
- Ions to eliminate static electricity
- Product eject system

Additional benefits
- Flexibility up to three counting modules
- Filling up to 150 bottles per minute
- 100% counting accuracy
- GMP compliant modular design
- Small foot print
- Easy to clean
- Fast change-over with just a few change parts
- Very easy to operate
- 2CFR part 11 compliant

Technical data

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Counting modules</th>
<th>1</th>
<th>2</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output</td>
<td>Bottles / min (60 min)</td>
<td>60</td>
<td>120</td>
<td>180</td>
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<tr>
<td>Batches</td>
<td>(shaped + not shaped)</td>
<td>50</td>
<td>100</td>
<td>150</td>
</tr>
<tr>
<td>Height</td>
<td>mm</td>
<td>40</td>
<td>220</td>
<td>350</td>
</tr>
<tr>
<td>Diameter / width</td>
<td>mm</td>
<td>20-125</td>
<td>mm</td>
<td>mm</td>
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<tr>
<td>Material</td>
<td>Glass, Metal (EPO, PMMA)</td>
<td></td>
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<tr>
<td>Electrical supply</td>
<td>Input voltage</td>
<td>400-480V / 380V</td>
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<tr>
<td></td>
<td>Electrical connection</td>
<td>3 phase / 4 /</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>Max power consumption</td>
<td>1160VA /</td>
<td>3300VA</td>
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<tr>
<td></td>
<td>Air supply</td>
<td>Compressed air supply</td>
<td>6 - 8bar (max)</td>
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<tr>
<td></td>
<td>Max air consumption</td>
<td>750 l/min</td>
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<tr>
<td>Dimensions</td>
<td>L</td>
<td>3150 mm</td>
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</tr>
<tr>
<td></td>
<td>W</td>
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</tr>
<tr>
<td></td>
<td>D</td>
<td>2450 mm</td>
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<tr>
<td>Weight (approx)</td>
<td>kg</td>
<td>2000 kg (max)</td>
<td>2200 kg (max)</td>
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</tbody>
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Details are subject to change due to product improvement or development