Fluid bed systems

MINI-GLATT

+ MICRO-KIT

MIDI-GLATT

Glatt®
Mini-Glatt

Fluid bed technology goes compact.

Frequently, only small quantities of expensive products are available for research, development, universities and technical colleges. But sometimes less is more – with Mini-Glatt. Greater efficiency. Greater flexibility. More compact design.

Mini-Glatt for minimum product volumes. Flexible range of services for all fluid bed processes: Drying, granulating / agglomerating, coating. Bottom- and top-spray process.

Mini-Glatt fluid bed system for batch volumes of 25 g – 375 g

The Mini-Glatt can be retrofitted with the patented Micro-Kit – tailored for the smallest of product volumes.

Suitable for almost all fluid bed processes: Drying, granulating / agglomerating and coating using bottom-spray process.

Micro-Kit retrofit set for the Mini-Glatt for batch volumes from 2.5 g

All the Micro-Kit components are accommodated in a compact aluminium transport box. Dismantling the Micro-Kit is easy and cleaning it is a simple matter.
Perfect solutions and sophisticated design.

**Mini-Glatt and Midi-Glatt provide all the advantages of integrated technology – combined with innovative design and optimum processing.**

**Compact design**

Integrated plug and play technology, ready for immediate use, simply connect power and compressed air.

**Perfect handling, easy cleaning**

Machine tower can be fully dismantled in just a few easy steps and the stainless steel filters have a blow back cleaning system.

**Simple data acquisition**

Standard interface to connect an external data logger to document essential process parameters.

**GMP option**

Requirement for manufacturing clinical samples. All components GMP compliant. Can be validated and qualified with appropriate documentation.

**Mini-Glatt and Midi-Glatt – interchangeable machine towers**

Is the desired product volume too large or too small for the machine tower? No problem – simply change over the machine towers. Can even be retrofitted.

**Mini-Glatt and Midi-Glatt can be dismantled within seconds and cleaning is child’s play.**

**Mini-Glatt / Midi-Glatt components of machine towers**

- Dome-shaped cover
- Patented metal filter cartridges with blow back cleaning system
- Filter housing
- Spray and decompression housing
- Wurster insert
- Granulation insert
- Lower plenum
The logical progression from the Mini-Glatt. Larger machine tower for increased product volume whilst maintaining the same degree of flexibility and compact design.

Flexible implementation for all fluid bed processes: Drying, granulating / agglomerating, coating. Bottom- and top-spray process.

Midi-Glatt fluid bed system for batch volumes of 375 g – 1350 g
## Technical data

**An innovative concept with integrated technology: accurate, compact and immediately ready to use.**

### Mini-Glatt fluid bed system / Micro-Kit retrofit set

<table>
<thead>
<tr>
<th>Product vessel</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Mini-Glatt batch sizes</td>
<td>25 – 375 g</td>
</tr>
<tr>
<td>Micro-Kit batch sizes</td>
<td>from 2.5 g</td>
</tr>
</tbody>
</table>

**Electrical power**

- Operating voltage: 230 V
- Frequency: 50 / 60 Hz
- Total connected load: 3.3 kVA
- Connector: 1, N, PE 230 V / 16 A

**Compressed air**

- Consumption: Max. 100 Nm³ / h*
- Connection: Hose connection DN 7.2
- Maximum pressure: 5 - 6 bar

**Electric heating unit**

- Inlet air temperature: Max. 80° C

**Dimensions**

- Height: 840 mm
- Width: 650 mm
- Depth: 700 mm
- Weight: 80 kg

**Spray pump (option)**

- Max. output: 100 ml / min
- Connection voltage: 230 V
- Frequency: 50 / 60 Hz

* Typical consumption 30 - 40 Nm³ / h incl. required volume of air for fluidization (Subject to technical modifications)

### Midi-Glatt fluid bed system

<table>
<thead>
<tr>
<th>Product vessel</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Midi-Glatt batch sizes</td>
<td>375 – 1350 g</td>
</tr>
</tbody>
</table>

**Electrical power**

- Operating voltage: 230 V
- Frequency: 50 / 60 Hz
- Total connected load: 3.3 kVA
- Connector: 1, N, PE 230 V / 16 A

**Compressed air**

- Consumption: Max. 100 Nm³ / h*
- Connection: Hose connection DN 7.2
- Maximum pressure: 5 - 6 bar

**Electric heating unit**

- Inlet air temperature: Max. 80° C

**Dimensions**

- Height: 850 mm
- Width: 650 mm
- Depth: 700 mm
- Weight: 90 kg

**Spray pump (option)**

- Max. output: 100 ml / min
- Connection voltage: 230 V
- Frequency: 50 / 60 Hz

* Typical consumption 35 - 45 Nm³ / h incl. required volume of air for fluidization (Subject to technical modifications)
The international group of Glatt companies employ over 1500 people in 20 countries.