

# Fluid bed systems

**MINI-GLATT**

**+ MICRO-KIT**

**MIDI-GLATT**



DRYING

GRANULATING

COATING



## 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 – Ideal for experiments on a small scale for all fluid bed processes

## Mini-Glatt + Micro-Kit

**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.



Micro-Kit – the retrofit set for the Mini-Glatt, tailored for the smallest of product volumes

# Mini-Glatt / Midi-Glatt

**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



# Midi-Glatt

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



The Midi-Glatt – Ideal for medium-size processing work for all fluid bed processes



Midi-Glatt controls / Mini-Glatt controls intuitive, easy, direct access to all parameters and settings



External data logger for connection to Midi-Glatt and Mini-Glatt, compatible with additional Glatt laboratory devices



# Technical data

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

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

Product vessel	
Mini-Glatt batch sizes	25 – 375 g
Micro-Kit batch sizes	from 2.5 g
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 Nm <sup>3</sup> / 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 Nm<sup>3</sup> / h incl. required volume of air for fluidization (Subject to technical modifications)

## Midi-Glatt fluid bed system

Product vessel	
Midi-Glatt batch sizes	375 – 1350 g
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 Nm <sup>3</sup> / 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 Nm<sup>3</sup> / h incl. required volume of air for fluidization (Subject to technical modifications)



# Addresses

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