

Technical data sheet GCSi 250**General technical data**

- Operation voltage: 3 x 230 V AC
- Frequency: 60/50 Hz
- Control voltage: 24 V DC/230 V AC
- Machine (production area): Solvent-EX-design
- Language operation panel: English

Operation range of the unit (depending on product and process)

- Batch size (with mixing baffles SU 4.12. Capacity 30 ... 100 %, at density of 0.8 kg/dm³): 60 ... 230 kg
- Air volume rate (depending on tablet size and shape): 2000 ... max 4500 m³/h
- Fresh air temperature (entry inlet air system):
 - + 5 °C
- Conditioned air temperature (exit inlet air system): approx. + 30 ... + 90 °C
- Inlet air temperature (inlet Coater): approx. + 30 ... + 80 °C (depending on air temperature at inlet, length of inlet air duct and insulation)
- Spray flow rate (at low viscosity < 100 mPa and bubble free spray liquids): 250 ... 850 g/min

Pan

- Pan operating volume: 236 liter
- Pan diameter: 1350 mm/ 53"
- Pan opening diameter: 550 mm

Pan drive

- Motor capacity: 1.5 kW, revolution speed 1.5 ... 15 rpm

Dehumidification

- Fresh air temperature: + 35 ° C
- Fresh air humidity: 85 % rel. humidity

Main heating

- Heating capacity: 175 kW
- Air temperature at exit: + 90 ° C, depending on flow rate

Inlet air fan

- Max. air volume flow rate: 4500 m³/h, at 20 ° C, 1013 mbar

Exhaust air fan

- Max. air volume flow rate: 4500 m³/h, at 20 ° C, 1013 mbar
- Motor capacity: 22 kW
- Noise level exhaust air fan: 93 dB(A)
- Size exhaust air: DN250

Operation panel

- EX-design: EX (Zone 2)

CURRENT CONDITION: GLATT COMPANY PACKED.



**Glatt Coater GCSi 250
With Sprayarm and 4
Nozzles**

With the GCs, Glatt has succeeded in developing a typical high-quality Glatt coater series which, thanks to the modular design, is perfectly adapted to today's requirements.

The GC S series really does deliver outstanding value for money.



Perforated Drum

Glatt only uses fully perforated drums – a design which combines maximum spray rates and extremely short process times. The horizontal process air flow minimises turbulence in the nozzle area and therefore also contributes to a perfect coating result. The drum geometry and the Glatt Fischer baffles mix and protect the product at the same time, guaranteeing a very even and exceptionally high-quality coating.

The drum is integrated in the unique GC S housing, where all points are extremely easy to access; it is fully welded and the suspended drum is mounted at the rear without any front support to get in the way. GMP at its best.



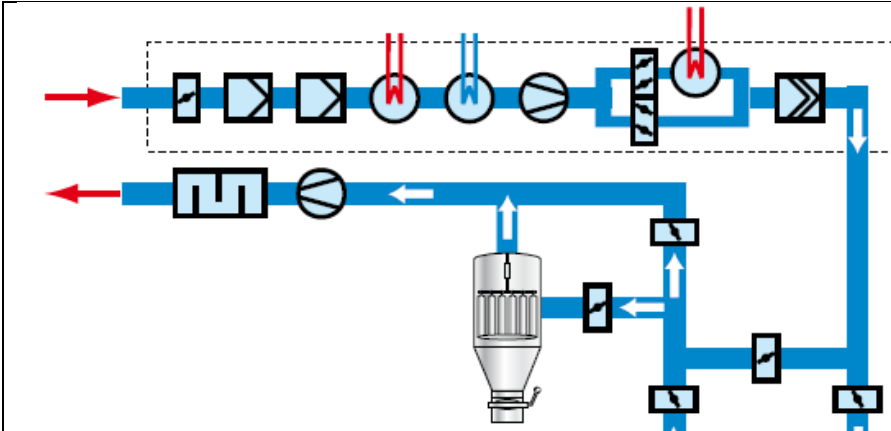
The inside of the coater housing – easy to clean and access



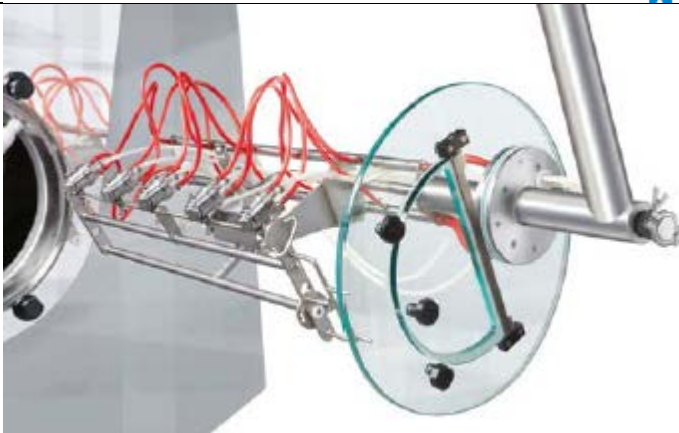
For very special applications, baffles of various types and sizes can be installed in the drum and – if required – mix faster or with less stress. This means that you can adapt your system perfectly to batch sizes, product characteristics and the process (film coating).



AHU Inlet Airhandling System
In the basic version, the air is pre-filtered, warmed up using a heater (Steam Heater) with face and bypass system and filtered through a fine filter. (F5 /F9 / HEPA)
Modular air processing system for a multitude of options



Outlet Air Handling System
Flap system with Bypass
for Deduster/ Policefilter,
Outlet Fan and Silencer



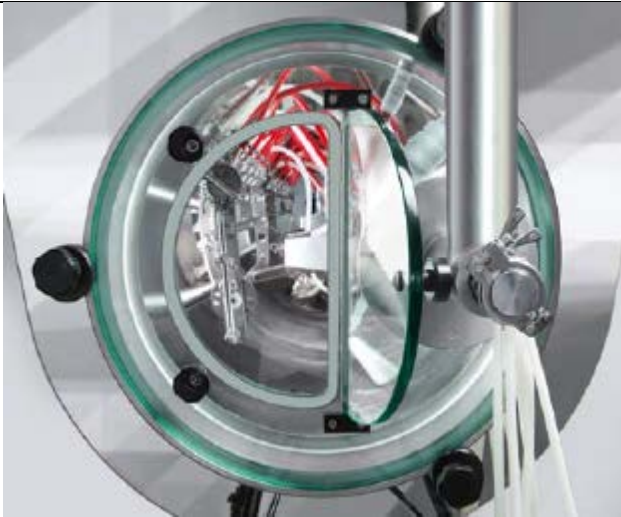
The nozzle arm can be
extended and swivel away
leaving the drum fully
accessible



The patented ABC nozzle
caps ensure that the
coating material goes
exactly where it should: on
the product, not on the
nozzle caps



The nozzle arm that can be adjusted in a number of ways



Door-in-door for outstanding accessibility
Simplified handling – a clear advantage for the user. The cGMP-compliant design enables both perfect access to all nozzle system components and fast and thorough cleaning. Another useful detail is that the nozzle arm can not only be completely removed from the machine, but also swivel away entirely from the coater opening. The result is outstanding accessibility and simple handling.



Peristaltic Pump W&M
With 4 Pump heads mobile on trolley



Front charging
Front charging with a chute can be carried out manually as well as with the corresponding lifting devices. Even extremely heavy containers can be lifted and emptied in front of the system easily and conveniently thanks to the handling equipment which we developed ourselves. We are also happy to draw up individual solutions.



The patented SScoop® is simple to install and empties your drum right down to the last tablet in an extremely short time. And on request, a slim container is also available with the additional discharge hopper for even more precise discharging.



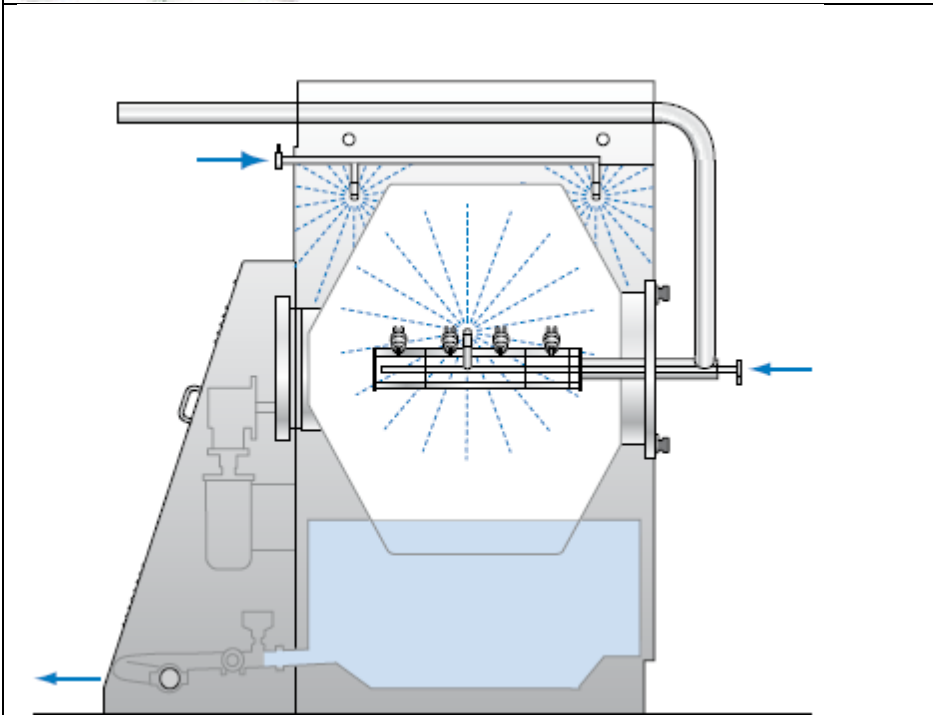
Operating Panel
The demands placed on state-of-the-art control systems are high – process steps need to be configured individually and critical parameters monitored automatically. Manual, semi- and fully automated processes have to be handled in equal measure. All data and sequences of relevance to processes must be documented and managed reliably.



**Control Cabinet to install it
In technical area
With PLC System**



**Rear view of control
cabinet**



**Glatt WIP systems are
ones you can be proud of.
Everything is clean!**



Rotating washing nozzle on the spray arm for drum cleaning
The drum and internal housing of the coater provide the best conditions for easy and efficient cleaning. All seams are fully welded, there are no gaps or silicone joints, corners and edges are minimis and the drum is suspended at the rear (cantilever principle) without any front support to get in the way. In a nutshell, they are the best way of ensuring an efficient Glatt cleaning system.



CIP/WIP Rack
The Glatt cleaning rack is tailored to the requirements of the coater's cleaning system. Of course, the rack satisfies all GMP requirements in terms of materials, surface quality and so on. This means, for example, that all welding seams feature orbital welding and the surface roughness of the pipes is less than 0.8 μm .