



# PUR/POR-applicator GR21 FlexControl

Adhesive application system with new, innovative "FlexControl control" for gentle processing of moisture curing hot melt adhesives in 18 kg cartridge containers



Efficient and maintenance-friendly GR21 melter for gentle processing and dosing of moisture-curing hot melts; with reservoir for uninterrupted operation during the refilling process and integrated air dryer protective gassing as standard. The complete FlexControl basic equipment includes a weekly timer, operating hours and switching cycle counter as well as the recipe menu.



FlexControl start screen -  
Touch panel operating unit



Menu level for all  
higher-level parameters



Maintenance-friendly design with hinged melting funnel



GR22 tank melter with a 20 litre volume and FlexControl unit

SM Klebetechnik Vertriebs GmbH  
Otto-Hahn-Str. 19a  
D-52525 Heinsberg

Phone: +49 (0) 24 52 / 91 72-0  
Fax: +49 (0) 24 52 / 91 72-20  
E-Mail: info@sm-klebetechnik.de

[www.sm-klebetechnik.de](http://www.sm-klebetechnik.de)

Delivery and services are effected in accordance with the current terms of business of the SM Klebetechnik Vertriebs GmbH.

## Standard equipment

FlexControl - new and innovative microprocessor control unit of SM Klebetechnik

Dosing meter - automatic speed control - quantity specification g/m<sup>2</sup> g/lfdm.

Pressure sensor with PL "c" instead of bypass - unique for this device category!

Colour display and touch panel control unit - intuitive system operation  
Weekly timer, operating hour counter, recipe menu, user + password

Remote control via tablet or smartphone

Software update via USB interface/storage of recipes on a USB stick

Temperature setback can be activated automatically or manually

Precision gear pump for volumetric delivery

PID temperature controller with self-tuning for sensor PT100, Ni120, NTC

Non-stick coating of the melting tank and tank lid (airtight sealable)

Filter block made of high-strength aluminium, large tank filter with high durability

Automatic start-up protection of the pump / maintenance-free three-phase drive

## Optional equipment

Individual system configuration possible:

Pneumatic bypass for reproducible control of the adhesive pressure

Compatible connection with systems from other manufacturers available

Multiple pump system with different pump sizes available

Electronic pressure control (special bypass-free design)

Automatically activatable temperature lowering device

Process data logging

Flow rate measurement

Level detection with signal light for visual level indication

Compressed air dryer for cost-efficient tank gassing

## Technical data

Tank volume: for 18-20 kg cartridge containers

Heating Power: 4,5 kW

Melt rate: 5 kg/h

Voltage: 3/N/PE 400 V AC 50 Hz

Pump: 1 - 2 Gear pumps

Pump rate: 10 kg/h – 80 kg/h

Pump drive: 3-phase brush-less AC motor

Drive power: 750 W

Speed control: Frequency converter

Hose connection: 1 - 4

Dimensions L, W, H [mm]: 955 x 695 x 1352