Drum melter GX71 FlexControl

Heated drum melter with innovative "FlexControl" system, automated air relief and seamless plate-seal to process hotmelt-adhesives and sealants from 200 litre drums

The equipment concept based on pneumatic pressure cylinders and an anti-stick-coated melting plate with a gearpump in configurable variations, ensures low maintenance issues during melting and metering of suitable thermoplastics or reaktive adhesives and sealants. Best operator safety will be achieved related to dedicated process step monitoring and a two-hand-operation.

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

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Pump unit with coupling and gear pump

Pressure-controlled drum ventilation

Start screen of the FlexControl system

GX21 drum melter with FlexControl control system for processing 20-litre hobbock containers

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Fax: +49 (0) 24 52 / 91 72-20
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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/m² 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
- PID temperature controller with self-tuning for sensor PT100, Ni120, NTC
- Seamless plate seal (PTFE encapsulated silicone gasket ring)
- Precision gear pump for volumetric delivery
- Automatic start-up protection of the pump / maintenance-free three-phase drive
- Automatic 100% venting of the underside of the panel and pump

Optional equipment

- Possible engineered system design
- Electronic pressure control with mechanical over-pressure relief
- Process data logging
- Level control with LED signal light to indicate the fill level
- Ventilation hood, drum jacket, drum pre-haeting etc.
- Material flow meter and/or material temperature reading
- Different melting plate configurations available
- Alternative pump sizes available
- Compatible connection with systems from other manufacturers available
- Heated buffertank unit with extended piston reservoir (first in - first out) for no downtime at drum change

Technical data

Heating:	electrical
Wattage:	20 KW
Melt capacity:	max. 300 kg/h (depends on medium)
Voltage:	3/N/PE 400 V AC, 50 Hz
Pump system:	gear pump
Pump rate:	5 kg/h – 320 kg/h
Pump drive:	3-phase brush-less AC Motor
Drive power:	3 kW
Speed control:	Frequency converter
Hose connections:	1
Dimensions L, W, H [mm]:	1443 x 710 x 2750

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