Drum melter 200L GX76

Heated drum melter with automated air relief and seamless plate-seal to process hotmelt-adhesives and sealants from smooth wall 200 kg / 55 Gal. drums with volumetric metering pump rates

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

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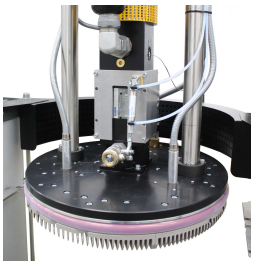
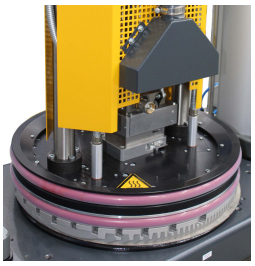


Version with screw piston pump and deaeration



Gear pump, double sealing and suction device

Customised tandem special design with drum jackets for alternating operation with cardboard drums

Customised special design in stainless steel for selective use in the food industry

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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

- Compact and maintenance-friendly design and construction
- Drip shield protection for clean drum-change operation
- Cable and tubes guided in drag chain for best durability
- High quality electrical and pneumatic components (Siemens, Möller, Lenze, Weidmüller, Festo)
- Very short suction hole for best intake flow condition
- Automated 100%-deaeration below plate and pump
- Electronic pressure control with mechanical over-pressure relief
- Automated activating of temperature set-back
- Possible heater replacement in melting plate
- High-quality seamless plate seal (PTFE encapsulated silicone gasket ring)
- PLC Siemens S7/200 with Profinet communication port
- Touchscreen operator-interface with light beacon for failure indication / warnings
- CE - compliant design and marking

Optional equipment

- Possible engineered system design
- Pneumatic controlled dual-step bypass-valve
- Process data logging
- Precise liquid level reading with programmable threshold switch function
- Ventilation hood, drum jacket, drum pre-haeting etc.
- Material flow meter and/or material temperature reading
- Different melting plate configurations available
- Alternative pump sizes 5 kg/h – 600 kg/h
- Tandem version with automated change-over function
- 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 (depending to media in use)
Voltage:	3/N/PE 400 V AC, 50 Hz
Pump system:	Gear pump / screw spindle pump
Pump rate:	5 – 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]:	1820 x 710 x 2750