HOTMELT MELTERS
WITH **GEAR PUMP**
FOR PUR/POR
CROSSLINKING
ADHESIVES

MICRON PUR

Low energy consumption
Advanced technology
Cool Touch for your safety
Functional and cutting-edge design

meler

Gluing Solutions

MICRON PUR

HOTMELT MELTERS WITH GEAR PUMP

is synonymous with Efficiency

The **Micron PUR** gear pump series is a range of melters specially designed for melting and pumping PUR/POR crosslinking adhesives. They come in 5 l sizes for 2 kg blocks (MICRON PUR LC) and 35 l sizes for 20 kg blocks (MICRON PUR MC).

The melters are based on **"Micron Technology"** and share a common goal: **reducing electrical energy consumption to a minimum.**

MICRON **PUR LC**

MICRON **PUR MC**

ADVANTAGES

- EQUIPMENT DESIGNED SPECIFICALLY FOR PUR ADHESIVES
- EASY OPERATION LEADS TO SAVINGS IN MAINTENANCE COSTS
- LONG USEFUL LIFE
- HIGH-PERFORMANCE AND EXTREMELY RELIABLE
- ENERGY-SAVING DESIGN
- AVAILABLE FOR Pt100 AND Ni120
- QUICK AND EASY TO CLEAN
- COOL TOUCH EXTERNAL CASING
- SUITABLE FOR DIFFERENT INDUSTRIES

ENERGY EFFICIENCY

This innovative product fully maximises the per-kilo energy consumption of melted adhesive, resulting in significant **cost and maintenance savings** for our customers.

MELTING EFFICIENCY

The temperature is distributed evenly over the entire contact surface of the tank, achieving thorough and **efficient melting** of the adhesive without creating hotspots at which the adhesive could break down.

The extremely **reliable** high-performance motor-reducer-pump assembly ensures a **continuous flow of adhesive.**

CAREFUL TREATMENT OF THE ADHESIVE

The equipment's airtight tank lid and the air-drying system ensure the perfect conservation of the adhesive, maintaining its properties over time.

PUMPING EFFICIENCY

There is less loss of adhesive load in the pump, as the channels are larger and straight. From the filter channel the adhesive exits directly through and out the hoses. This:

- Facilitates equipment cleaning.
- Avoids dead zones where the adhesive can stop up and eventually crosslink.
- Makes it easier to work with high-viscosity adhesives.
- Reduces wear on the motor-pump assembly.

SIMPLE ELECTRONIC CONTROL

Its intuitive control panel makes controlling the equipment an easy and simple task, facilitating the day-to-day work of the operator.
The control panel includes functions such as standby (dropping temperatures to a programmed value, lower than the working temperature) or full equipment shut-down to facilitate the care of crosslinking adhesives. These functions may be activated manually using the keyboard, through programming using the control system's internal clock, or externally from the main machine. This protects the adhesive from the effects of premature curing due to exposure to high temperatures for long periods of time.

TIME SAVING

Quick access to the inside of the equipment by sliding open the door to the electronic control system and moving aside the electric panel to access the motor-pump assembly, and a panel with a side opening to reach the pump purge and filter.

The purger located in the filter head makes it easier to remove any adhesive that has stopped up inside the equipment when hot and when the system has not been pumping for a while; it also makes it easier to clean.

COOL TOUCH FOR YOUR SAFETY

The Micron Series is designed to ensure **maximum worker safety**. It keeps the casings cold and has a pressure-relief valve that limits the pressure generated in the circuit when the pump is running with the hydraulic circuit closed.

REDESIGN OF THE AIRTIGHT TANK LID IN THE **PUR LC** VERSION

MICRON PUR

HOTMELT MELTERS WITH GEAR PUMP

technical features

	MICRON PUR LC	MICRON PUR MC
Holding capacity	5,15 litres	37,4 litres
Melting rate	2 kg/h (*)	20 kg/h (*)
Pumping rate	single pump: 1, 2.5, 4, 8 cc/rev (*) dual pump: 2x0.93, 2x1.86, 2x3.71, 4.8 cc/rev (*)	
Number of outputs	2, 4 ó 6 with one pump 2 ó 4 with two pumps	
Temperature range	40 to 200°C (104 to 392°F)	
Temperature control	RTD ±0.5°C (±1°F) Pt-100 or Ni-120	
Maximum working pressure (6 bar)	90 bar (1305 psi)	
Maximum installed power	with a single pump 1 x 6,8KW/ 3 x 4,0KW (2 outputs)	with a single pump 1 x 7,8KW/ 3 x 3,8KW (2 outputs)
	with a single pump 1 x 9,2KW/ 3 x 4,0KW (4 outputs)	with a single pump 1 x 11,2KW/ 3 x 5,0KW (4 outputs)
	with a single pump 1 x 11,6KW/ 3 x 4,0KW (6 outputs)	with a single pump 1 x 13,6KW/ 3 x 4,0KW (6 outputs)
	with two single pumps 1 x 8,2KW/ 3 x 3,9KW (2 outputs)	with two single pumps 1 x 10,2KW/ 3 x 3,9KW (2 outputs)
	with two single pumps 1 x 10,6KW/ 3 x 5,1KW (4 outputs)	with two single pumps 1 x 12,6KW/ 3 x 5,1KW (4 outputs)
External functions	Temperature output ok - Low-level output (optional) - Input under maintenance Inhibition of outputs - Motor start-up input - Speed control input Pump control card error output	
Electrical requirements	LN ~ 230V 50Hz + PE 3N ~ 400V/230V 50Hz + PE	
Room temperature	0 to 40°C	
Dimensions (LxWxH)	730 x 420 x 630 mm	740 x 520 x 870 mm

*Dependent on the type of adhesive

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