



**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



# 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



<b>Holding capacity</b>	5,15 litres	37,4 litres
<b>Melting rate</b>	2 kg/h (*)	20 kg/h (*)
<b>Pumping rate</b>	single pump: 1, 2.5, 4, 8 cc/rev (*) dual pump: 2x0.93, 2x1.86, 2x3.71, 4.8 cc/rev (*)	
<b>Number of outputs</b>	2, 4 ó 6 with one pump 2 ó 4 with two pumps	
<b>Temperature range</b>	40 to 200°C (104 to 392°F)	
<b>Temperature control</b>	RTD ±0.5°C (±1°F) Pt-100 or Ni-120	
<b>Maximum working pressure (6 bar)</b>	90 bar (1305 psi)	
<b>Maximum installed power</b>	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)
		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
<b>Electrical requirements</b>	LN ~ 230V 50Hz + PE 3N ~ 400V/230V 50Hz + PE	
<b>Room temperature</b>	0 to 40°C	
<b>Dimensions (LxWxH)</b>	730 x 420 x 630 mm	740 x 520 x 870 mm

\*Dependent on the type of adhesive

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For more information, contact your nearest Focke Meler distributor:

**meler** 

**Focke Meler Gluing Solutions, S.A.**  
Pol. Los Agustinos, c/G, nave D-43  
E-31160 Orcoyen - Navarra - Spain  
Phone: +34 948 351 110  
Fax: +34 948 351 130  
info@meler.eu - [www.meler.eu](http://www.meler.eu)

A Focke Group Company



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