



MICRON SERIES

HOT/MELT
MELTERS WITH
GEAR PUMP

Design and the cutting-edge technology have come together to create the Meler Gluing Solutions Micron series



Gluing Solutions

MICRON SERIES

HOT/MELT MELTERS WITH GEAR PUMP

is synonymous with Efficiency

The Micron gear pump series offers a **wide range of melters** with different sizes to suit specific production needs. All units are based on "Micron Technology" and share a common goal: **reducing electrical energy consumption to a minimum.**

Micron hotmelt equipment is configurable for one or two single or dual gear pumps, with different flow rates and tanks measuring 5, 10, 20 and 35 litres.



ENERGY EFFICIENCY

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



MELTING AND PUMPING 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 highly **reliable** high-performance motor-reducer-pump assembly ensures a **continuous flow of adhesive.**

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.
- Makes it easier to work with high-viscosity adhesives.
- Reduces wear on the motor-pump assembly.



USE AND MAINTENANCE EFFICIENCY

Same operation for all equipment in the Series.

Its intuitive control panel makes controlling the equipment an easy and simple task, facilitating the day-to-day work of the operator.

The tank lid is large and opens fully, simplifying the charging and cleaning of the tank.

In just a few steps you get **full access** to the inside of the equipment.

Micron 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.

OTHER ADVANTAGES

LOW
MAINTENANCE
COST AND LONG
USEFUL LIFE

UP TO TWO
MOTOR-PUMP
ASSEMBLIES
PER UNIT

QUICK
AND EASY
TO CLEAN

COOL TOUCH
EXTERNAL
CASING

EASY
TO USE

SUITABLE FOR
DIFFERENT
INDUSTRIES

Micron is the result of combining design and technology with optimum performance for profitable solutions.

Thanks to its functional cutting-edge design, with a reduced size and rounded edges, the Micron series harmoniously integrates into any type of installation or machine.

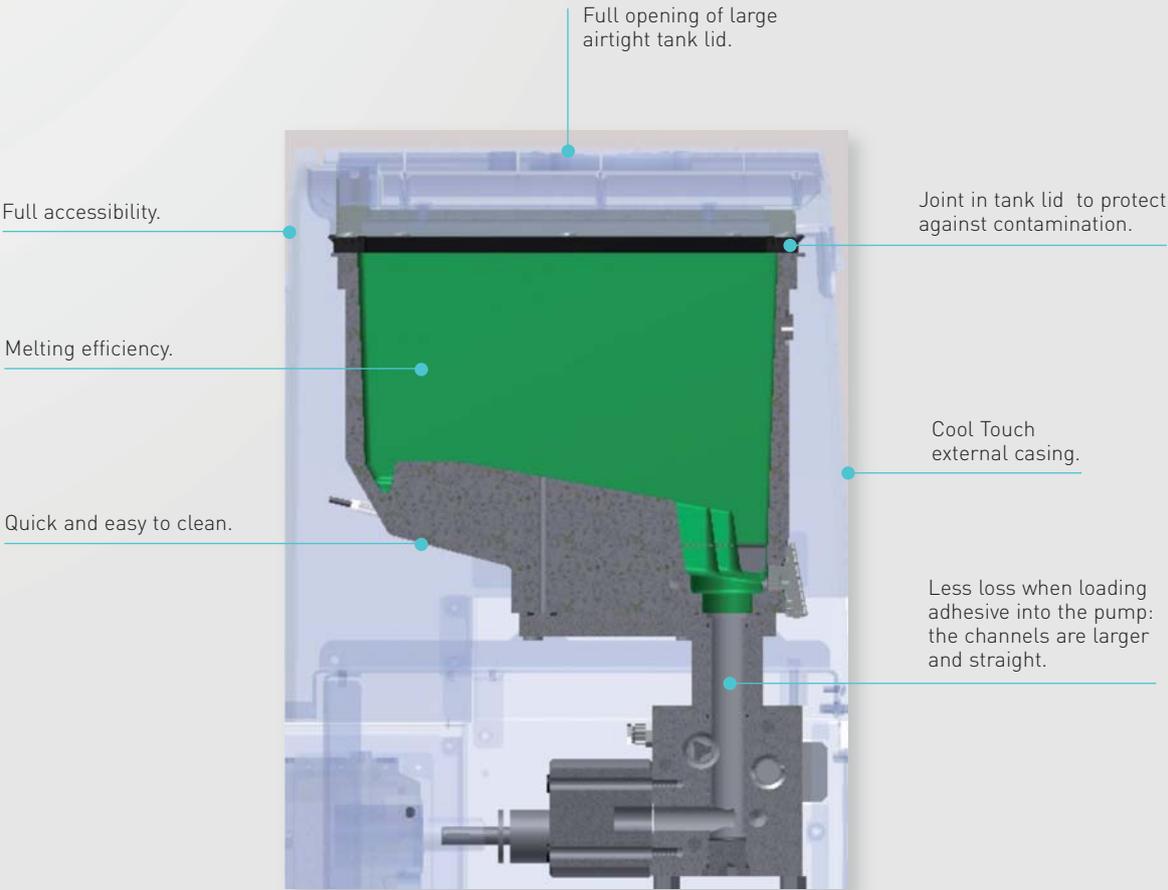


MICRON 5

MICRON 10

MICRON 20

MICRON 35



BEST ENERGY EFFICIENCY ON THE MARKET

UNIFORM DISTRIBUTION OF TEMPERATURE

ITS DESIGN SIMPLIFIES THE DAY-TO-DAY WORK OF THE OPERATOR

MICRON SERIES

HOT/MELT MELTERS WITH GEAR PUMP

technical features

MICRON 5



MICRON 10



MICRON 20



MICRON 35



Holding capacity:	5.15 litres	9.7 litres	19.7 litres	37.4 litres
Maximum melting capacity:	9 kg/h (*)	13.5 kg/h (*)	19 kg/h (*)	30 kg/h (*)
Pumping rate:	single pump: 1, 2.5, 4, 8 cc/rev (*) dual pump: 2x0.93, 2x1.86, 2x3.71, 2x4.8 cc/rev (*)			
Number of outputs:	2, 4 or 6 with one pump 2 or 4 with two pumps			
Temperature range:	40 to 200°C (104 to 392°F) optional: 40 to 230°C (104 to 446°F)			
Temperature control:	RTD ± 0,5°C (± 1°F) Pt-100 or Ni-120			
Maximum working pressure (6 bar):	90 bar (1.305 psi)			
Maximum installed power:	with a single pump 1 x 5,8KW/ 3 x 3,0KW (2 outputs)	with a single pump 1 x 6,8KW/ 3 x 4,0KW (2 outputs)	with a single pump 1 x 7,3KW/ 3 x 4,5KW (2 outputs)	with a single pump 1 x 7,8KW/ 3 x 3,8KW (2 outputs)
	with a single pump 1 x 8,2KW/ 3 x 3,0KW (4 outputs)	with a single pump 1 x 9,2KW/ 3 x 4,0KW (4 outputs)	with a single pump 1 x 9,7KW/ 3 x 4,5KW (4 outputs)	with a single pump 1 x 11,2KW/ 3 x 5,0KW (4 outputs)
	with a single pump 1 x 10,6KW/ 3 x 4,0KW (6 outputs)	with a single pump 1 x 11,6KW/ 3 x 4,0KW (6 outputs)	with a single pump 1 x 12,1KW/ 3 x 4,5KW (6 outputs)	with a single pump 1 x 13,6KW/ 3 x 4,0KW (6 outputs)
	with two single pumps 1 x 7,2KW/ 3 x 3,9KW (2 outputs)	with two single pumps 1 x 8,2KW/ 3 x 3,9KW (2 outputs)	with two single pumps 1 x 8,7KW/ 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 9,6KW/ 3 x 5,1KW (4 outputs)	with two single pumps 1 x 10,6KW/ 3 x 5,1KW (4 outputs)	with two single pumps 1 x 11,1KW/ 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 ~ 400/230V 50Hz + PE			
Room temperature:	0 to 40 °C			
Dimensions (LxWxH)	730 x 360 x 630 mm	730 x 360 x 630 mm	730 x 400 x 670 mm	740 x 450 x 830 mm

* According to the type of adhesive

MELER reserves the right to modify the content of this catalogue without prior notice.

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