

Empowering melters  
Empowering what matters

MELER 

# MICRON+ PUR

BOOST YOUR PERFORMANCE  
BOOST YOUR BUSINESS



**MICRON+** Series  
MICRON+ PUR LC / MICRON+ PUR MC

Your Gluing Solutions Partner

# MICRON+ PUR

## WHEN EFFICIENCY IS MAGIC

### FOR SUPERIOR EFFICIENCY

All Micron+ technology now in PUR versions.

When performance is not enough. The Meler solution is here, the most efficient technology, so nothing and no one can stop you from maximising your productivity. The exclusive melter for PUR adhesives that will help you obtain the best results in your processes and minimise your electrical energy consumption.

## 1. THE BEST ENERGY EFFICIENCY ON THE MARKET

### EFFICIENCY BOOSTER

Micron+ technology prevents external heat loss and, therefore, minimises energy consumption. This translates into the lowest energy consumption per kg melted per hour of use on the market, resulting in significant cost and maintenance savings for our clients.

### OPTIMISE YOUR TIME

#### Quick and efficient start-up :

The key is in the system start-up: Energy consumption is prioritised when starting up the unit, whereby the temperature of all system components is raised sequentially, thereby preventing large temperature fluctuations. It takes 19.7 minutes for the system to be ready to start operating.

### EFFICIENCY THROUGHOUT THE BONDING PROCESS

The temperature is distributed uniformly over the entire contact surface of the tank, with no hotspots where the adhesive can degrade, guaranteeing careful and efficient melting.

Micron+ PUR is the only hot-melt adhesive melter capable of offering up to 60% energy savings compared to other devices on the market.



## AVANTAGES.



FOR PUR  
ADHESIVES



MAXIMUM  
ENERGY  
EFFICIENCY



IMPROVES  
PROCESS  
PERFORMANCE



MAXIMUM  
ACCESSIBILITY



FULL  
CONNECTIVITY



REDUCES  
ADHESIVE  
CONSUMPTION



## 2. CAREFUL TREATMENT OF THE ADHESIVE

### MAXIMUM THERMAL STABILITY

The magic lies within. Micron+ has demonstrated thermal uniformity across the entire surface of the tank and an adhesive flow speed that outperforms the competition.

In addition, the device's built-in airtight lid and air-drying system guarantee that the adhesive remains in perfect condition.

## 3. TAKE CONTROL

TAKE CONTROL OF YOUR BUSINESS.  
WE MAKE IT EASY FOR YOU.

### EASY CLEAN & TOTAL ACCESS SYSTEMS

We want your business to flow. The design of Meler devices follows three main premises: all systems being easily repairable, accessible equipment, and quality technical assistance services.

This is why the Easy-clean and Total Access systems have been developed to offer the best device maintenance experience.

### SIMPLE ELECTRONIC CONTROL

Micron+ allows quick control of the unit, with all information visible.

- 7" touchscreen
- Easy operation and simplified menu
- Functions: 9 languages, alarms, personalisation by areas, calendar, time slots, passwords (levels), etc.
- Fast programming USB for updates, backup and DATALOGGER.

## 4. CONNECT WITH WHAT MATTERS TO YOU

### REMOTE CONTROL AND MULTIPLE CONNECTIVITY OPTIONS::

We want you to have maximum flexibility in your business, which is why we create interconnected systems that facilitate our clients' everyday operations. That's why we integrate features such as Wi-Fi into our devices.

With our IoT platform, you will have: Periodic monitoring of data, remote control from anywhere in the world, complete traceability of our processes, and telematic assistance in real time.

WIFI /  
(MODBUS RTU, PROFINET,  
PROFIBUS, ETHERNET, ETHERCAT)

Powered by:

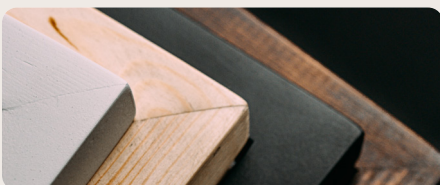
EASY CLEAN

TOTAL ACCESS

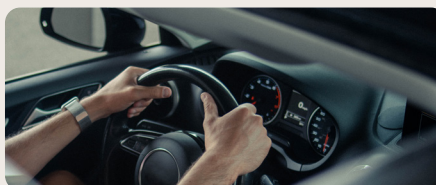
energy  
efficiency

## APPLICATIONS.

WOOD



AUTOMOTIVE



GRAPHIC ARTS



# MICRON+ PUR

## DIMENSIONS



## TECHNICAL CHARACTERISTICS

	MICRON+ PUR LC	MICRON+ PUR MC
Tank volume	5,15 Litres	37,4 Litres
Pumping capacity		
Single pump	1, 2.5, 4, 8 cc/rev(*)	1, 2.5, 4, 8 cc/rev(*)
Double pump	2x0.93, 2x3.71, 2x4. 8 cc/rev(*)	2x0.93, 2x3.71, 2x4. 8 cc/rev(*)
Melting capacity(*)	2 kg/h (*)	15 kg/h (*)
Number of hydraulic outputs	4 each pump (9/16 thread)	4 each pump (9/16 thread)
Number of electric outputs	2,4 or 6 with one pump 2 or 4 with two pumps	2,4 or 6 with one pump 2 or 4 with two pumps
Range of temperatures	From 40 to 200 °C (104/392 °F)	From 40 to 200 °C (104/392 °F)
Temperature control	RTD ± 0,5°C (±1°F) Ni-120/ Pt-100 or NTC	RTD ± 0,5°C (±1°F) Ni-120/ Pt-100 or NTC
Maximum working pressure (at 6 bars)	80 bar (1160 psi)	80 bar (1160 psi)
Maximum power to install (electrical connection)		
With a single pump/2 outputs	1 x 6,9 KW 3 x 3,0 KW	1 x 10,0 KW 3 x 4,3 KW
With a single pump/4 outputs	1 x 10,5 KW 3 x 4,0 KW	1 x 13,5 KW 3 x 6,1 KW
With a single pump/6 outputs	1 x 14,2 KW 3 x 5,8 KW	1 x 17,2 KW 3 x 7,9 KW
With two single pumps/2 outputs	1 x 8,3 KW 3 x 3,3 KW	1 x 11,3 KW 3 x 5,3 KW
With two single pumps/4 outputs	1 x 11,9 KW 3 x 4,6 KW	1 x 14,9 KW 3 x 7,1 KW
External features	Device On-Off • Standby On-Off • Activity control • Pump On-Off • Communications On-Off • Disabling of electrical outputs	Device On-Off • Standby On-Off • Activity control • Pump On-Off • Communications On-Off • Disabling of electrical outputs
Inputs	Standby • Temperature OK • Ready • Running • Alarm • Level OK • Level NOK	Standby • Temperature OK • Ready • Running • Alarm • Level OK • Level NOK
Outputs		
Electrical requirements	1N ~ 230V 50 + PE 3N ~ 400V 50 + PE	1N ~ 230V 50 + PE 3N ~ 400V 50 + PE
Room temperature	From 0 to 40°C	From 0 to 40°C
Weight (without load)	105 kg (without load)	147 kg (without load)
Dimensions	730 x 420 x 630 mm 730 x 420 x 910 mm (lid open)	740 x 520 x 870 mm 740 x 520 x 1215 mm (lid open)