



meler 

serie macro system

Gear pump

'macro system' series are high melt capacity units and they can be supplied with different pump capacities. The gearpump allows an equal and precise glue application by a control of the glue quantity through the gear speed.

Multifunctional electronic control

This new development combines the electronic 'meler' control that allows a very userfriendly handling and very effective an intuitive motor control.

Easy Access

The easy access to all the components of the 'macro system' units is a big advantage. It allows a fast access to all internal components of the system (motor, controls etc.) by means of dismountable protection panels and a electronic cabinet mounted on a sliding rail.

Connections

The hose connections of the 'macro system' units can be installed at the rear or on one side of the system, depending on the needs of the installation. Two hoses per pump and manifold can be installed with a maximum of four pumps per unit.

Tank

The tank consists in three parts: a big hopper, a premelting zone and the main melt zone. Individual temperature control for each zone allows a gentle and carefull melting of the hot-melt. The new 'macro system' permits the use of small glue pellets as well as 20 Kg packs of P.U.R. glue. The 'macro system' tank is equipped with a closing valve, in order to interrupt the glue flow between tank and

manifold for easy cleaning and maintenance of the pump, manifold, pressure relief valve and filter. The PUR version comes with a air dryer system, that maintain the tank-air fully dry, and an air-proof tank lid with an air extraction valve.

Motor-pump

The assembly of motor-gearbox-pump garanties an equal hot-melt supply, which is controlled by the motor rotation speed. A large number of pump sizes (1cc to 30cc) and simple and twin pumps are available.

Compatibility

The 'macro system' can be equipped with Pt100 as well as with Ni120 sensor technologie. Therefore it is compatible with most of the common hot melt systems in the market.

Safety

The pressure relief valve ensures, that excess pressure situations are avoided in the system. It also allows to maintain a constant system pressure even in intermittent applications. The pneumatic control (optional) allows an easier external system pressure control displaying pressure value on a pressure gauge.

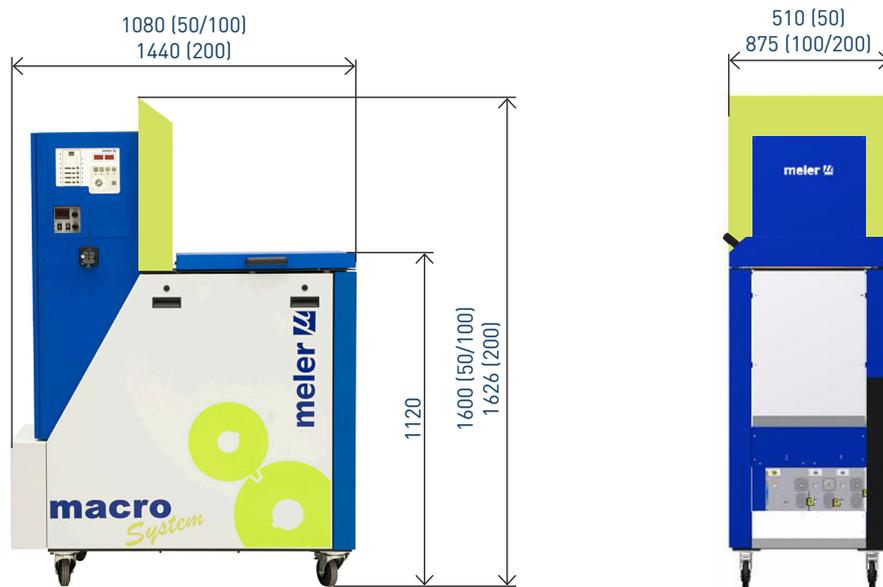


TECHNICAL CHARACTERISTICS

Tank capacity	50, 100 and 200 liters (50 PUR version with air-proof tank lid)
Pumping rate (*)	1, 4, 8, 15, 20 and 30 cc/rev single pump 0.6x2, 1.2x2, 2.4x2, 4.8x2 cc/rev double pump
Melting rate (*)	a tank per hour
Number of pumps	up to 2 pumps (50) up to 4 pumps (100 or 200)
Number of hydraulic connections	2 per pump
Number of electrical connections	up to 4 outputs
Motor power	0.375, 0.55, 0.75, 1.1 kW
Pump speed	0-100 rpm (10-80 rpm recommended)
Temperatures range	40 to 200°C (230°C optional)
Temperature control	RTD ±0,5°C (±1°F)
Max. working pressure	90 bar (1.305 psi)
Pressure relief valve	pneumatic or mechanical
Max. installation power (at 230 VAC)	10.750 W (1 single pump/2 outputs) (50) 14.800 W (2 single pumps/4 outputs) (50) 17.050 W (1 single pump/2 outputs) (100) 21.100 W (2 single pumps/4 outputs) (100) 37.240 W (1 single pump/2 outputs) (200) 41.650 W (2 single pumps/4 outputs) (200)
External functions	Temperaturas ok output Low level output External standby activation Outputs disabled external control ON/ OFF/ Motor Motor speed external control
Electrical requirements	3N ~ 400V 50/60 Hz + PE
Options	Low level detector Air dryer system for PUR Input for external auxiliary tank Automatic feeding system

* Depending on type of adhesive

DIMENSIONS



meler 
GLUING SOLUTIONS

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