

USER-DRIVEN PRODUCT INNOVATION AND ENGINEERING

FOAMING STATION

SUMMA FOAM⁺

CONNECTIVITY
EFFICIENCY
MODULAR DESIGN

CONNECTIVITY AND HIGH PERFORMANCE

The new Meler electronic platform offers total integration of the melter into automated production lines. As a result, it increases the overall traceability of the production process and improves the quality of the end product.



Equipment without tank for foam pumping premelted adhesive. Designed for the most demanding production environments, such as the **automotive sector, wood or other special applications.**

The foaming process consists on mixing the hot melt adhesive with inert gas under certain conditions of pressure and temperature. Once the mixture is applied, the gas expands creating a close-cells structure (foam).

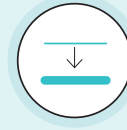
A direct application system without recirculation is used for applying foam. This system offers a stable mixture of gas and adhesive both in percentage and in equal distribution.





INCREASE OPEN TIME

More adhesives range can be used



VOLUMETRIC INCREASE

After being applied, its volume increases, providing a hermetic seal in the cavities.



UNIFORMITY

Thanks to the direct system, constant gasification values are obtained allowing high application speeds.



REDUCE ADHESIVE CONSUMPTION

Up to 65%, depending on the adhesive



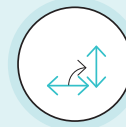
FOAM HIGHEST QUALITY

The foam generated is applied directly without recirculation, obtaining great uniformity.



FAST ADJUSTMENT

Only 3 parameters are adjusted for the operation of the equipment: Temperature, mixing pressure and gas pressure.



VERTICAL APPLICATION

More consistency on vertical surfaces



TECHNICAL FEATURES

Foam Pumping capacity (*)	1,6 • 3,3 • 6,6 • 9,9 cc/rev 1,6 • 3,3 • 6,6 • 9,9 cc/rev high ratio	
Number of pumps	1 foam pump	
Number of hydraulic outputs	1 (thread 9/16)	
Number of electrical outputs	2 outputs	
Speed	10-80 rpm (range 0-100 rpm)	
Temperature range	From 0°C to 200°C	
Temperature control	RTD ±0,5°C (Pt100 • Ni120 • NTC)	
Maximum power pressure	80 bar	
By- pass valve	Pneumatic or mechanical	
Maximum power supply	3kW/ per phase	
External functions	Input	External ON/OFF • Standby • Activity control • Pumping OFF • Inhibition of Zones • VP Control • ON/OFF communications • External speed control • External Pumping control • Proportional Valve control • Pumping mode operation (rpm or pressure control)
	Outputs	Low level • Machine Ready • Alarm • ON/OFF • Adhesive block nearly empty • Adhesive block empty • Drive error • Gas pressure • Foam pressure.
Electrical requirements	3N ~ 400V 50/60 Hz + PE (please consult on other voltages)	
Options	Pneumatic by-pass valve pressure control system, communication protocols (Modbus RTU, Profinet, Ethernet IP, Profibus)	
Dimensions (L x W x H)	1080 x 335 x 800 mm	

(*) According to adhesive type and working conditions.

Patent pending