

# HIP-MITSU

## CONTINUOUS OUTPUT MELTERS

### BA FAMILY



**HIP-MITSU** hot melt units with continuous output **model BA** gives an appropriate answer to all the demands concerning the use of hot melt adhesives in assembly industries.

Moreover, the different models of gear pump with adjustable RPM can be installed on all models and are suitable for the system configuration optimizing the distribution of the adhesive.

Each pump can support one or two automatic hoses.

The structure of all the units has been designed to allow a simple access to any components.

The standard configuration enables the machine to work in conditions of over-or under-temperature.

The display panel allows a simple programming of all the working conditions and their on-line monitoring

Moreover the display panel reports on-line all the working conditions thanks to a system with an easy visualization.

The design of the machine allows an easy transport of the system.

#### **Built for a correct handling and adhesive maintenance**

Function "Economy", that simultaneously reduces the set temperatures values of all the thermoregulated components to the standby parameters, avoids crackings and maintains the adhesive characteristics unchanged during the inactive breaks.

The appropriate design and use of state-of-the-art materials avoid possible deteriorations of the adhesive.

#### **A complete control board with instruments that can be quickly understood and easily personalized by the user. All the main indications of status can be controlled at distance.**

On-line control and monitoring of all the thermoregulated parts, with independent regulation of the temperature during the working and stand-by phases.

The display panel includes:

- All the regulation functions of the working temperature of each single thermoregulated part
- The interface with the basis line and the relative emergency devices
- The protections against the use of the machinery in over or under temperature situations.

The microprocessor cares for the control of all the temperatures thanks to a PID system setting the different temperatures with a precision equal to +/- 0,5 °C (+/- 1°F).

The PID operative status parameters can be easily programmed according to the different applications.

The main system status conditions are signalled to the working operator by a led signals.

The control processing system is provided with a weekly and daily timer that automatically provides for the management of the machine concerning the operating and stand by conditions.

The hot melt units are equipped with a light indicator in reserve that signals to the operator the necessity to supply the system with adhesive before downtime.

**Versatility and efficiency in each situation.**

All parts of the system that are in contact with the adhesive can be easily and quickly cleaned in case different products are used.

On-line filters, with a quick substitution, protect the system and the connected devices from any foreign bodies, and guarantee as a matter of fact a perfect distribution of the adhesive.

The adhesive quantity distributed can be increased or reduced according to the variations of the line speed by adjusting automatically the RPM of the engine that acts upon the gear pump.

Most of the heating parts are connected to connectors with a quick disconnecting system to make the maintenance easier.

The design of the units is ergonomically studied and produced for an easy access to all the components of the system.

**Built according to the international standard of safety.**

The electrical device is IP-54 rated according to the Safety Norms concerning the industrial machinery. All units are equipped with an emergency switch on the machine according to the actual Safety Norms.

The emergency can be easily interfaced with the basis line.

**TECHNICAL CHARACTERISTICS**

Model	BA 40	BA 100	BA 140
Type	tank	tank	tank/grid
Adhesive type	block/chips	block/chips	block/chips
Tank capacity	9,0 liter – 2 gal	45 liter – 10 gal	45 liters – 10 gal
Melt rate (1)	4 kg/hour – 14 gal/hour	21 kg/hour – 46 gal/hour	30 kg/hour – 66 gal/hour
Pump availables (2)	1 cc/rev ; 2,5 cc/rev ; 7 cc/rev		
Electrical service	3 ph 380V~50Hz N		
Max. unit power	4.300 Watt	6.500 Watt	10.500 Watt
Consumption	380 VAC (3)		
Operating temperature	from 50 up to 240 °C ; from 122 up to 464 °F		
Viscosity range	from 300 up to 120.000 mpas		
Dimension L x Wx H	800 x 250 x 780 mm	1.355 x 505 x 990 mm	1.355 x 505 x 990 mm
Number of pumps/hoses	1x1 1x2	1x1 ; 1x2 ; 2x1 ; 2x2	1x1 ; 1x2 ; 2x1 ; 2x2
Colour	black		

(1) - The Melt rate indicated can change according to the type of adhesive and to the applications parameters.

(2) - According to the adhesive used and the application.

(3) - The value reported is indicative as it depends on the configuration used.



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**HEAD OFFICE**

I - 31027 SPRESIANO (TV) Italy - Via A. Volta, 1

Tel. + 39 0422 887.566 r.a. - Fax + 39 0422 887.337 - <http://www.hip-mitsu.com> e-mail: [info@hip-mitsu.com](mailto:info@hip-mitsu.com)