

Declaration of conformity

The product: _____

Model no: _____

Serial no: _____

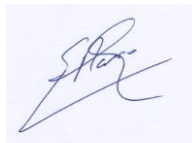
Year of manufacture: _____

Described in the enclosed documentation is in conformity with:

- Directive 2006/42/CE of 29 December 2009 replacing the Directive 98/37/EC of 22 June 1998 relating to the approximation of the laws of the Member States relating to machinery, combining in a single text Directives 89/392/EEC of 14 June 1989, 91/368/EEC of 20 June 1991, 93/44/EEC of June 14, 1993 and 93/68/EEC of 22 July 1993. Directive used law EN ISO 12100-1 and EN ISO 12100-2, relative to safety of the machines, law EN ISO 14121-1, relative Safety of the machines. Evaluate of risk, law UNE-EN 60204-1, relative to Safety of machines. Electric equipment of the machines, law UNE-EN 61310-1, UNE-EN 61310-2 y UNE –EN 61310-3, relative to Safety in machines. Indication, marking and actuation.
- Directive 2006/95/CE of 12 December 2006 replacing the Directive 73/23/EEC of 19 February 1973 relating to electric equipment.
- Directive 2004/108/CE of 20 July 2007 replacing the Directive 89/336/EEC of 3 May 1989 relating to electromagnetic compatibility.
- Directive 93/68/EEC of 22 July 1993, amending Directive 73/23/EEC, and Directive 89/336/EEC.

within the scope of the specifications indicated in the chapter describing the equipment with a B1 risk level. Since it is intended to form part of a set of machines which, to obtain a result, are arranged and connected to perform together, it cannot be operated until the set of machines has been declared in conformity with the applicable Directives by the person responsible for the final assembly.

Orcoyen, on : 27 August 2019



Signed: _____

Gonzalo Marco, Managing Director.



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CONTROL REGISTRATION

CONTROL :

DATE:

ELECTRIC CHECK:

CONTROL BOARD CHECK:

TEMPERATURE CONTROL CHECK 150/180°C:

HYDRAULIC CHECK (100 bar):

PNEUMATIC CHECK:

APPLICATOR

SERIAL

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GUARANTEE CARD

DISTRIBUTOR:.....
CONTACT:.....
ADDRESS:.....TELEPHON.....

OEM:.....
ADDRESS:.....
TYPE:.....BRAND:.....MODEL:.....

USER:.....

CONTACT:.....

ADDRESS:.....TELEPHONE :.....

SYSTEM LOCATION:.....

DATE OF INSTALLATION: GUARANTEE UNTIL:

APPLICATOR

SERIAL

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VALCO MELTON

CHAPTER 1

SAFETY INSTRUCTIONS

Make sure that you read this handbook and the main machine's operating manual before using the applicator.



The applicator should only be operated by qualified personnel skilled in its use and aware of the risks involved and the pertinent safety measures. Otherwise there is a risk of damage to equipment or persons.



Risk of burns.

When in operation, the applicator reaches temperatures of up to 230 °C. Before handling, make sure that it is switched off and always wear **protective gloves** compliant with EN 407 and EN 420 standards, protecting the hands against burns produced by hot masses at temperatures of over 100 °C.



.Risk of splashing glue at high temperatures and speed.

The applicator applies glue at high temperatures and pressures, and it may splash at high speed for a distance of 1 m.

Use gloves and **protective clothing** compliant with EN510 and EN340 standards and **face shields** compliant with the EN 166 standard.

Make sure that the system is depressurised before releasing a connection.



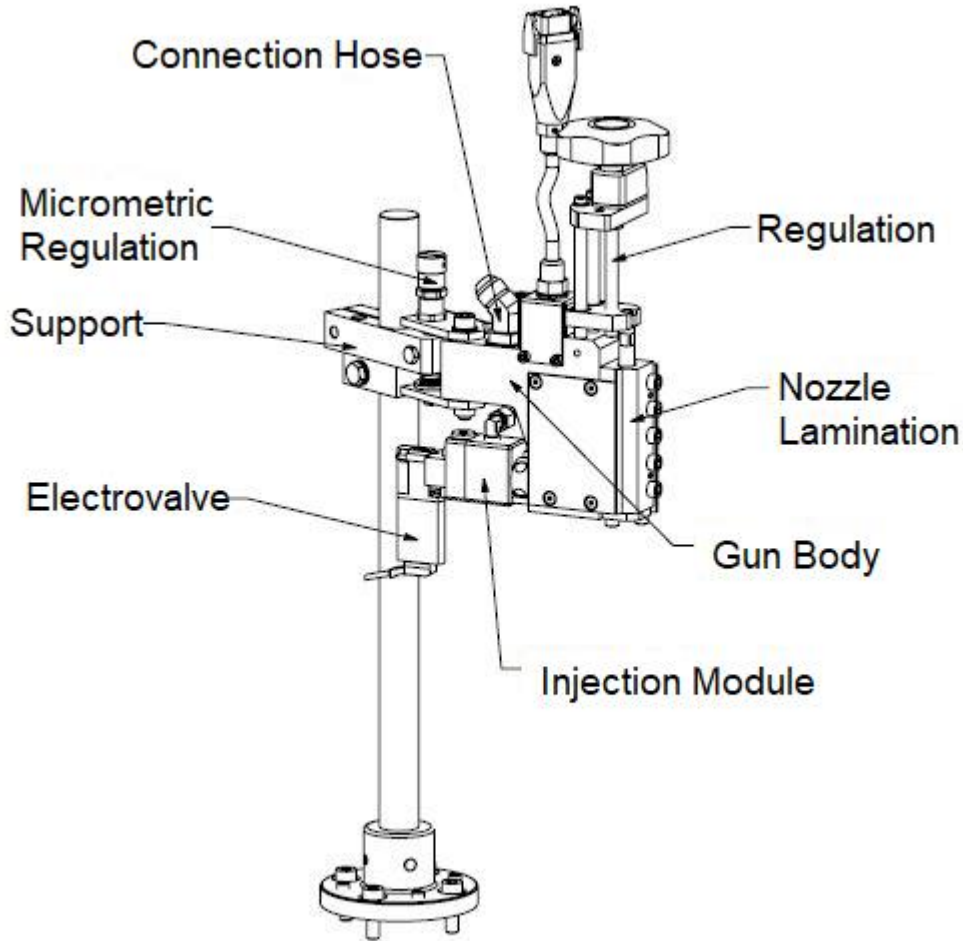
Risk of electric discharge.

Switch the power off before manipulating the applicator. Do not use it if it is damaged or has been modified.



CHAPTER 2 DESCRIPTION AND FUNCTION

The gun is the part that applies the hot-melt (or similar material) to the substrate. It consists of a heated body which receives the glue, and a injection module, with air-controlled opening. The coating width can be regulated between 0 to 60 mm.



Body of the gun:

The body of the gun distributes the adhesive to the injector modules. It is heated by heating elements, with temperatures controlled by a probe (PT-100 or NICKEL, depending on the temperature control model) from the main machine. It is fitted with a rapid release electric connector.

It can include a filter to remove impurities from the glue.

Suck back Injection module:

The modules controls the supply of the adhesive to nozzle. It has an open/close system consisting of a needle and a seating. The pressure brought to bear by the needle on the seating depends on a resort pre-set at 4kg/cm². It opens by means of a pneumatic embolus pulling on the needle. When the module closes it sucks back the adhesive avoiding the drop of adhesive.

Nozzles:


The nozzle controls the hot-melt coating. The gun has a coating width regulation system that allows coating applications between 0 to 60 mm.

CHAPTER 3 INSTALLATION.

The applicator is supplied completely assembled. Installation consists of:

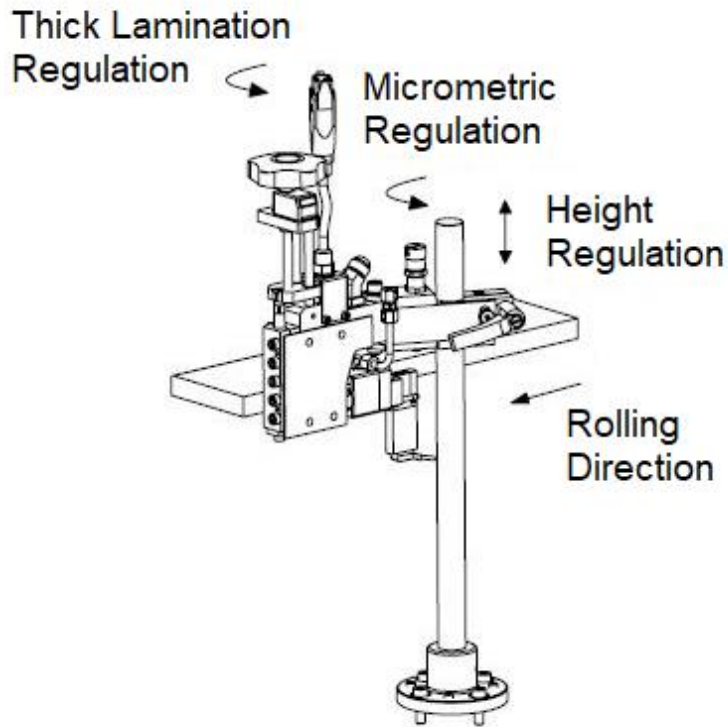
- Screwing the body to the bracket.
- Connecting the adhesive hose to the applicator plug. Two spanners are used. Make sure that the closure is firm, with no possibility of glue leakage when the applicator is heated.
- Connecting the electric connector to the hose.
- Connecting the air intake pipes to the open air intake pipes of the modules and the heaters.

CHAPTER 4 ADJUSTMENT AND USE

 **WARNING:** The gun is used to applying glue at high temperatures and pressures. In the safety instructions are not followed, there is a risk of damage to the equipment or injury to the user or other people in the vicinity.

The adhesive application conditions are regulated from the gun feed equipment. Adjust the parameters according to requirements. The air application pressure is controlled by a regulator installed in the feed system. Module opening is programmed from the main machine. Regulate the module opening pressure to guarantee that they open. Synchronism in multiple guns:

The maximum coating width is 60 mm, it is regulated with a crank



CHAPTER 5 MAINTENANCE



WARNING: Before performing maintenance on and/or cleaning the applicator, wear goggles, gloves and long sleeves to prevent burns from splashes of hot glue.

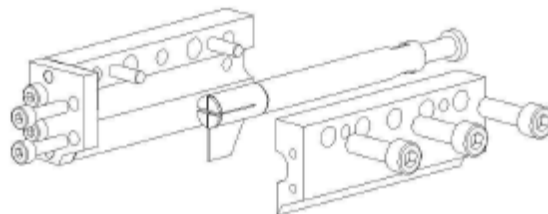
Keep the applicator free from traces of adhesive. If you use a cleaning agent, make sure that it is compatible with the adhesive employed. In case of doubt, contact the adhesive manufacturer. Check the condition of the connecting plugs and the electric connector. Keep the nozzles clean. Clean whenever you detect a faulty application. If the gun has a filter, clean it regularly to prevent it from becoming blocked.

Cleaning the nozzle:

The nozzle can become blocked when the filter or mini-filter mesh is faulty or when the hoses and guns have produced carbon deposits from subjecting the adhesive to temperatures higher than those recommended by the manufacturer.

If crystallisation occurs or carbon deposits are formed, it may be necessary to change the hoses or guns.

Disassemble the nozzle and clean all the elements with solvent.



Never clean the nozzle with bits or devices with flames (cigarette lighters, blow torches, etc.). This could cause major damage.

CHAPTER 6 PROBLEM-SOLVING

Problem	Possible Cause	Solution.
1. No glue output.	Low level of glue in the main machine or main machine fault	Check that there is glue in the tank and that the main machine is in good working order
	Fault in the module open/close mechanism	Check condition of modules and module open/close air circuit
	Blocked nozzle	Clean nozzle
2. Glue leak through the nozzle when the machine is not operating	Fault in the module open/close mechanism	Check the condition of modules and module open/close air circuit
	Module open/close seating soiled	Clean seating and needle
3. Glue leak in the module connection area	Fault in open/close mechanism gaskets	Replace module gaskets
	Module badly secured or module O-rings worn	Replace O-rings and secure the module properly
4. Glue leak through nozzle air outlets	Nozzle closure fault	Check that the nozzle is tight. If damaged, replace
5. Overheated body or air heater	Main machine temperature control fault	Check temperature adjustment and that the main machine is in good working order
	Temperature probe fault	Check probe
6. The body or the air heater is not heated	Main machine temperature control fault	Check temperature adjustment and that the main machine and connectors are in good working order
	Heating element fault	Check heating element
	Temperature probe fault	Check probe

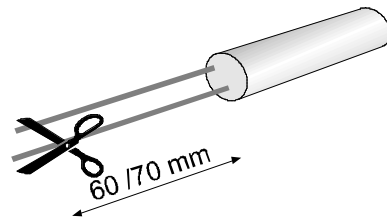
CHAPTER 7 REPAIRS



Changing the probe or heating element.

Switch off the electric connection between the hose and the applicator before replacing either of these two parts.

- 1 Release the M4 screws securing the cover to the body of the applicator.
- 2 Remove the part to be changed (heating element, probe) from its housing).
- 3 Release the part to be replaced from the terminal, or cut the wires at a distance of 60 / 70 mm.



- 4 Peel the tips of the wire 15mm.
- 5 Re-connect the part to the terminal, or use the ceramic terminals provided and twist the connector wires to the new part.



- 6 Insert the new part in its housing and replace the cover.
- 7 Re-connect the applicator to the hose.