

A. 400V TRANSFORMER UNIT

The 400V transformer 'micron+' adhesive melter is designed to be connected to a three phases power supply of 400V without neutral wire so it is specially prepared for this type of connection.

Thus, standard 'micron+' adhesive melters are not allowed to be connected to this power supply and 400V transformer units are not allowed to be connected to a standard power supply.

Warning: Be sure your connection is well done before switch on the system. Otherwise it can result in damage to equipment or in serious personal injury.



Safety

Before installing or operating the unit read carefully the information contained in '1. Safety' section.



Intended use

Both devices, transformer base and 400V adhesive melter, cannot be used separately because they are designed to operate together connected to a power supply of 3~ 400V 50Hz + PE.

These units are foreseen to be used under the conditions described in '2. Introduction' section.



Limited use

Likewise, the 'micron' series hot-melt melters/applicators must not be used, under any circumstances, for the purpose for which they are not designed. See '2. Introduction' section.



Transformer base operation

Transformer base unit has two main functions:

1. Acts as power supply input connection with the necessary electric protections.
2. Transforms power supply voltage to working voltage for hoses and guns heating (400V => 230V).

400V three phases power supply is distributed inside the unit as follows:

- one phase supplies directly power for tank and manifold resistors (400V).
- second phase supplies, by means a single phase 400/230V 1.5kVA transformer, the power control of 1, 3 and 5 channels (230V).
- third phase supplies, by means another single phase 400/230V 1.5kVA transformer, the power control of 2, 4 and 6 channels (230V).



Thus, hose-gun channels are limited up to 1500VA maximum power for 1, 3 and 5 channels and 1500VA maximum power for 2, 4 and 6 channels.

Installation

The transformer base unit is delivered from the factory assembled and wired to the melter unit. You have only to place all together on the base plate and make the power supply connection to the transformer base.

Free space

The only dimension it is modified regarding the standard units is height. The following table shows the transformer base dimensions for each model.

Model	Length	Width	Height
micron+ 5	574 mm	324 mm	146 mm
micron+ 10	659 mm	324 mm	146 mm
micron+ 20	659 mm	366 mm	146 mm

Electric power supply

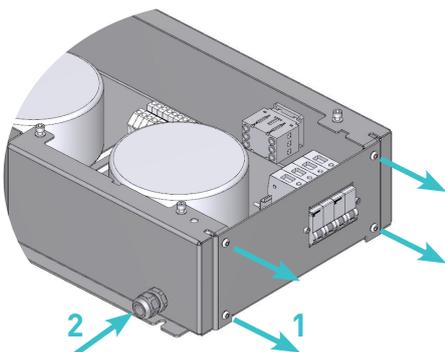


400V 'micron+' series with transformer are supplied to be connected to a electric power supply of 3~ 400V 50Hz + PE. Before connecting, make sure that the voltage that is being connected to the melter/applicator is the correct one appearing on the equipment's characteristics plate.

Connect the machine and check if it is well grounded.

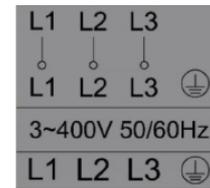
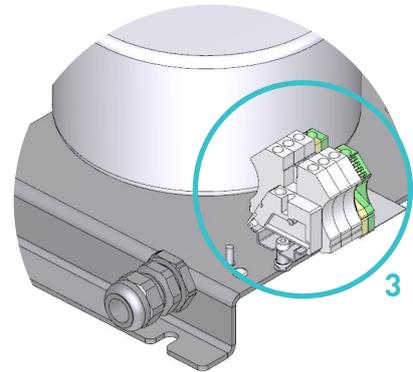
Follow the steps described below:

1. Remove the electrical cover.
2. Thread the three phases power cord (Ø6-12 mm) through the electrical cable gland Pg 13.



- Fasten it to the inside anchor, making sure that the ground wire is well connected too.
- Fix the cover again and press the electrical cable gland to fasten the cord. Switch on the transformer base.

Model	Electrical Outputs	Ampers	Power
micron+ 5	2	5.8 A	5300 W
	4	5.8 A	5300 W
	6	5.8 A	5300 W
micron+ 10	2	8.3 A	6300 W
	4	8.3 A	6300 W
	6	8.3 A	6300 W
micron+ 20	2	9.5 A	6800 W
	4	9.5 A	6800 W
	6	9.5 A	6800 W



- Follow the instructions described in '4. Melter operation' section.



Characteristics

	MICRON+ 5	MICRON+ 10	MICRON+ 20
Power supply voltage	3 ~ 400V 50Hz + PE	3 ~ 400V 50Hz + PE	3 ~ 400V 50Hz + PE
Output power	2 x 230V 1,5 kVA	2 x 230V 1,5 kVA	2 x 230V 1,5 kVA
Dimensions with unit	587 x 341 x 627 mm	671 x 341 x 627 mm	671 x 382 x 670 mm
Weight	51,2 kg (empty)	60,2 kg (empty)	75,4 kg (empty)

Spare parts

Nº	Ref.	Descripción
1	150022130	Transformer 400/230V 1,5 KVA
2	115002860	Circuit breaker 40A 3 P without neutral
3	612009870	Switching contactor 2 P 400V 4A curve D
4	150115360	Complete tank assembly micron 5 400V
4	150115380	Complete tank assembly micron 10 400V
4	150115400	Complete tank assembly micron 10 400V
5	150115350	Micron tank 5 400V
5	150115350	Micron tank 10 400V
5	150115350	Micron tank 20 400V
6	150115410	Manifold heating element 300W 9.46 (3/8") X 177 400V

