



NOTICE D'UTILISATION
ENSEMBLE D'EXTRUSION ADEMS 25 P
INSTRUCTION MANUAL
ADEMS 25 P EXTRUSION SYSTEM

Notice : 0103 573.027.110

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INSTRUCTION MANUAL
ADEMS 25 P EXTRUSION SYSTEM

Manual : 573.027.112

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OUTLINE OF ADEMS 25 P ELECTRONIC CONTROL UNIT

SEPARATE PARTS : Manual ADEMS 25 P spray gun (doc. 573.565.042)
ADEMS 25 P thermal regulation unit (doc. 573.026.052)

Dear Customer,

We would like to thank you for buying our ADEMS 25 P extrusion system.

We have taken the greatest care, from conception to production, to ensure that this product gives you complete satisfaction. If, for any reason, this product fails to live up to your expectations, don't hesitate to contact your KREMLIN distributor.

For the most effective operation and durability of the equipment, we strongly recommend that you carefully read the operating instructions before starting to operate it.

1. EC DECLARATION OF CONFORMITY FOR MACHINERY

The manufacturer : KREMLIN S.A. with assets of 5 520 000 euros
150, avenue de Stalingrad - 93240 STAINS - FRANCE
Tel. 33 (1) 49 40 25 25 - Fax 33 (1) 48 26 07 16

Herewith declares that : extrusion gun is in conformity with the following provisions :

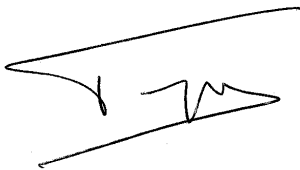
EC - Machinery Directive (directive 89/392/EEC).

EC - Directive of Electromagnetic Compatibility (directive 89/336/EEC).

Test reports : CETIM n° 4/040 289/435.2A dated : 31/09/96.

European harmonised standards :EN 50081-1 and EN 50082-1

Established in Stains,
on september 1st 1999,



Daniel TRAGUS
President - C.E.O

2. SAFETY ADVICE

- ➔ Whoever is in charge of the workshop should ensure that all operatives have been properly trained for the use of this equipment. The safety guidelines which follow should be understood and applied at all times.
- ➔ The equipment should only be used in a well ventilated area, to ensure the safety of the operators and to guard against the risk of fire or explosion.
- ➔ Under no circumstances should the gun ever be pointed at people or animals.
- ➔ The operating temperature of this equipment can be very high, and all possible precautions should be taken to avoid any accidents.

3. PRINCIPLE

A heated collar is fitted on the front of the gun. A Pt 100 platinum sensor measures the temperature of the gun body and sends a signal to the microprocessor which either feeds or cuts the current to the heater, dependent on the message it has received.

The regulator is fitted with a safety cut off system, whereby the current is immediately cut if it senses a fault in the sensor.

The power to the heating system has been calculated in such a way that no damage can be sustained, even through a lack of power regulation. This has been obtained through rigorous control of the thermal balance of the system.

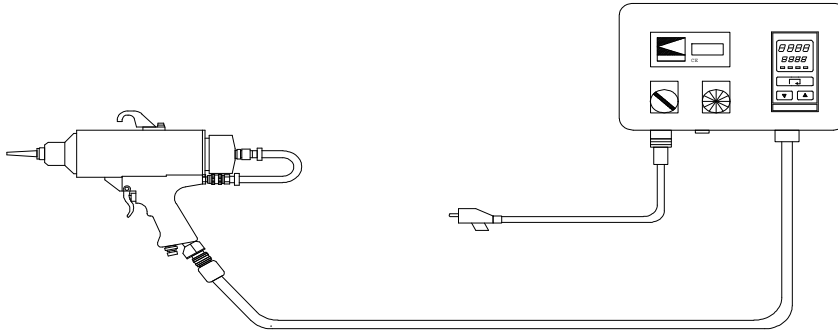
The spray gun is equipped with a three-way valve. Pulling the trigger pressurises the cartridge, and by releasing it, the gun is depressurised.

4. TECHNICAL CHARACTERISTICS

Heated spray gun for the extrusion of products in standard 330 cm³ coming with or without nozzle.

Thermally isolated and ergonomically designed handle for excellent comfort of use, allowing for easy delicate applications.

The cartridge can be changed even when the spray gun is hot.



Power supply to control unit :	220 V.
Power supply to the spray gun :	24 V.
Extruding temperature :	150° C regulated maximum
Temperature control :	By means of a platinum sensor
Power of heated collar :	24 V / 100 Watts.
Protection for control unit :	IP 66-9.
Extruding pressure :	7 bar maximum.
Weight :	6 kg.
Nozzle :	To choose dependent on application

To connect to a 115V supply, use a 110V / 220 V - 150 VA transformer.

5. FITTING THE CARTRIDGE IN THE SPRAY GUN

- 1 - If the cartridge comes with a nozzle, take off the reduction connector found at the front (fig.9). Cut the plastic nozzle to the desired width of deposition.
- 2 - If the cartridge comes without a nozzle, it is generally fine simply to remove the stopper, or cut the edge of the stopper.
Then put the reduction connector in place and add the required Kremlin nozzle (fig.22).

In either of the two cases above, to fit a cartridge :

- 3 - Disconnect the air hose by means of the quick-fit connector on the back of the handle.
- 4 - Unscrew by hand the back of the cylinder (the large black cylindrical knurled section on the back of the barrel).
- 5 - Leave the two seals in place in front of the cone.
- 6 - Insert the cartridge without forcing it - it should push in easily with a little play. Under no circumstances should you use a non adapted cartridge
- 7 - Leaving the two seals in place, re-fit the back of the cylinder and reconnect the air hose.

⚠ During this operation, the spray gun may remain connected to the compressed air line and the control unit.

6. HEATING

Connect the control unit to the mains (220 V).

➡ **Upon turning on the mains :**

The white POWER indicator lights up.

The regulator carries out a self-check procedure and looks for certain information. This means that everything is as it should be.

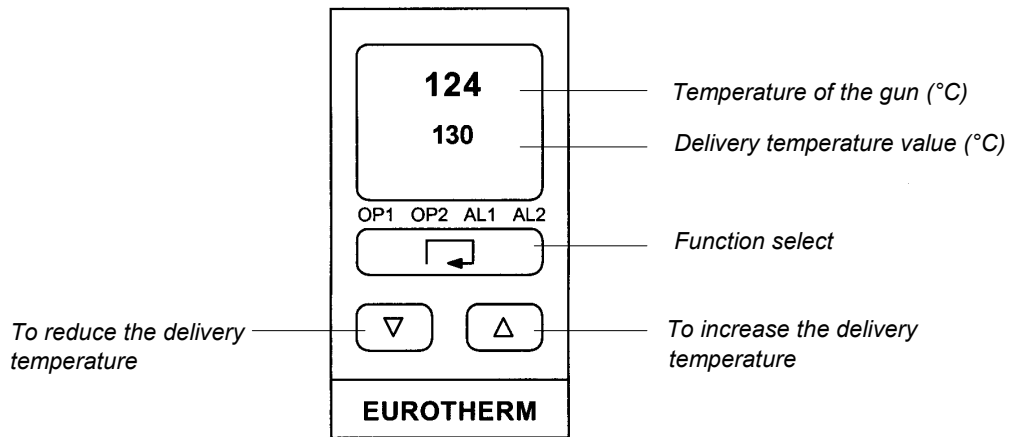
The temperature regulator is pre-programmed at the factory :

- Delivery temperature : 130°C
- Temperature alarm triggered at : 150°C

The only setting of concern to the user is the delivery temperature. To modify this setting :

- 1 - Wait until the machine is ready (see below).
- 2 - Press the " function select " button.
- 3 - The buttons will light up.
- 4 - Press either the Δ or ∇ button at the bottom to increase or reduce the value. This can be read on the display at the bottom of the unit.

After a few seconds the lights go off and the newly programmed value is taken by the control unit.



The display at the top of the unit shows the temperature of the gun. If this temperature is less than the required delivery temperature, the regulator sends a signal to heat up. This is accompanied by a warning light (OP 1). Once the system is back up to temperature, this light goes out.

If the warning light (AL 1) comes on, it is because the temperature has gone over 150°C. In this case the heater is automatically shut down.

7. MAINTENANCE

7-1 ADEMS 25 P SPRAY GUN

Don't let product build up in the spray gun.

Don't use solvents when the spray gun is hot or still connected to the mains.

Change the front and rear seals as soon as signs of damage or wear appear.

Replace or repair any section of damaged electrical cable.

Remake the electrical connections after reasonable periods of use.

Use a suitable support for fitting the spray gun between two applications.

7-2 CONTROL UNIT

If, after connecting the unit to the mains and turning the switch to ON, nothing lights up, check the control unit fuse (located on the left hand side, 0.8A).

Clean the control box with a dry cloth or with soapy water. Do not use solvents.

8. REFERENCES

ADEMS 25 P PACK

Ref. 148.199.500

made up of :

1 ADEMS 25 P control unit

Ref. 148.191.000

1 spray gun with cable

Ref. 129.381500