

USER MANUAL

STATIC SOLDERING BATHS



Dear Customer,

You have just purchased a FTM Technologies product. We thank you for your confidence. Please read this manual carefully before using your equipment.

1. Products covered by the leaflet
2. Technical description of the product
3. Safety recommendations
4. Installation / mounting of equipment
5. Start-up and operation
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1. PRODUCTS COVERED BY THE LEAFLET

Read this leaflet before using one of the baths below

Tin pot Ref. PE500

Tin bath Ref. PE600NAD

Tin bath Ref. BE600N

Tin bath Ref. BE300X50

Tin bath Ref. BE300X90

Tin bath Ref. BE300X50D

For all custom baths

2. TECHNICAL DESCRIPTION OF THE PRODUCT

Static tin baths are used for gold removal, tinning, or de-enameling. Some baths can be equipped with a manual pantograph for tinning serial components, or automatic systems.

Cast iron crucible, high load cylindrical resistance.

Titanium crucible for custom baths

Thermocouple type J (except PE500)

All our products are compatible with lead-free alloys.

Technical data

REFERENCE	DIMENSIONS L x w x h	POWER	ALLOY CONTENT
PE500	140 x 140 x 140 mm	500 W	1.3 kg
PE600NAD	300 x 140 x 140 mm	600 W	6 kg
BE600N	480 x 280 x 155 mm	1600 W	6 kg
BE300X50	640 x 200 x 150 mm	1600 W	5 kg
BE300X50D	640 x 200 x 150 mm	1600 W	5 kg
BE300X90	640 x 200 x 150 mm	2400 W	11 kg

Power supply: 230V 50/60 Hz

Power: From 500 W to 1600 W depending on the bath

Temperature: Adjustable from 0 to 600 ° (except for the PE500)

Precision of regulation: ± 1%

Temperature rise: 0 to 600 ° = 40 minutes.

The 2 outer grooves of 3 mm depth allow the cleaning of slag and the leveling of the bath by manual scraping. Slide the squeegee (not supplied) on the 2 grooves from left to right so as to recover the slag in the small tray on the right side of the bath.

This groove also provides overflow protection in case of shock.

PE600NAD Tin Pot Regulator



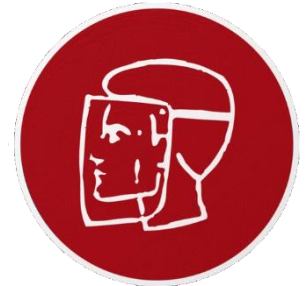
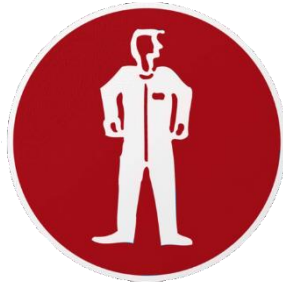
Tin bath regulator BE600N – BE300X50, BE300X50D – BE300X90



3. SAFETY RECOMMENDATIONS

This device is not intended for use by persons (including children) whose physical, sensory or mental capabilities are impaired; or persons without experience or knowledge, unless they have been able, through a person responsible for their safety, to have prior surveillance or instructions concerning the use of the device. Children should be supervised to ensure that they do not play with the appliance.

Individual protections:



- Do not touch the tinning part with your fingers (possibility of serious burns).
- Make sure that the tin bath is placed on a surface supporting its weight and sufficiently stable.
- Place the bath in a space equipped with an air extraction device.
- Before any intervention, remove the power cord from the power socket.
- Risks incurred: burns / projections, tin fumes

When handling the baths it is strongly advised not to tilt them without holding the crucible, otherwise the insulating supports of the bath may be damaged.

If the product is to be returned for long-distance or unsupervised intervention, ensure that the bath is imperatively placed flat with shock-absorbing wedging on a pallet or carried flat on site

4. INSTALLATION / MOUNTING OF EQUIPMENT

- Put the tin bath on a flat and horizontal surface, to avoid tipping.
- Connect the power cable and check that this socket has single-phase alternating current with 230V ground wire; 50/60 Hz.
- Cover the bottom of the crucible with shot to avoid damaging the resistors when heating.
- Fill the bath with tin alloy, or other.
- Position the slag trap on the right side of the bath.
- For safety reasons, the bath temperature will continue to be displayed once the appliance is switched off

5. START-UP AND OPERATION

- Switch on the device.

WARNING: DO NOT HEAT THE BATH WITHOUT ALLOY, AT THE RISK OF DETERIORATING IT

- Set the setpoint (SV: in green) for the desired temperature using the increment or decrement keys. The measured temperature is displayed (PV: in red).

Adjusting the parameters of the bath
(By a qualified technician)

If need to adjust the alarm setpoint:

This is an additional safety feature that allows the heater to be switched off if the set temperature is exceeded by more than one desired value.

Keep pressing the "SEL" button 1s until "STBY" is displayed.
Press the decrement key q

As soon as "AL1" is displayed
Briefly press "SEL", flashing display SV.
Set the desired value using the increment key p or decrement q, then confirm by pressing the "SEL" key.

If need to set the measurement offset:
It is advisable to check the actual bath temperature once loaded with alloy and to change the offset accordingly

Keep pressing the "SEL" button 3s until "CH 1" is displayed.
Press the decrement key q
As soon as "CH6" appears
Briefly press "SEL", "PVF" is displayed.
Press the decrement key q
As soon as "pvoff" is displayed, briefly press "SEL".
Set the desired value using the increment key p or decrement q, then confirm by pressing the "SEL" key.
NB: the alarm threshold is set at + 20 ° C above the set temperature.

6. CARE AND MAINTENANCE

- Regularly change the solder in the bath
CAUTION: Before that, remove the power cord from the power outlet.

7. SPARE PARTS, CONSUMABLES

REFERENCE	DESIGNATION
REGUL BE	REGULATION FOR BE 600 N
RELAIS BE	STATIC RELAY 240V / 25A
RESIST500	RESISTANCE FOR PE500
RESISTANCE 1	RESISTANCE FOR PE600NAD
RESISTANCE 9	RESISTANCE FOR BE600N
RESISTANCE 8	RESISTANCE FOR BE600X50
RESISTANCE 16	RESISTANCE FOR BE600X90
RESISTANCE 8	RESISTANCE FOR BE600X50D
SONDE P/BE	<u>PROBE</u>

8. WARRANTY

All sets are guaranteed for 1 year parts and labor provided that you have used the product in accordance with its purpose and the instructions in the user manual. For the implementation of this guarantee, you will have to attach the photocopy of the original invoice specifying the date of purchase.

Warranty exclusions:

- modification or alteration of the above document,
- type and / or serial number of the product rendered unidentifiable,
- interventions on the product made by any unauthorized person,
- damage caused by a cause external to the device and in particular by lightning, fire, water damage or negligence,
- modification or adaptation of the product.

The guarantee does not cover the deterioration of accessories and spare parts of usual consumption.