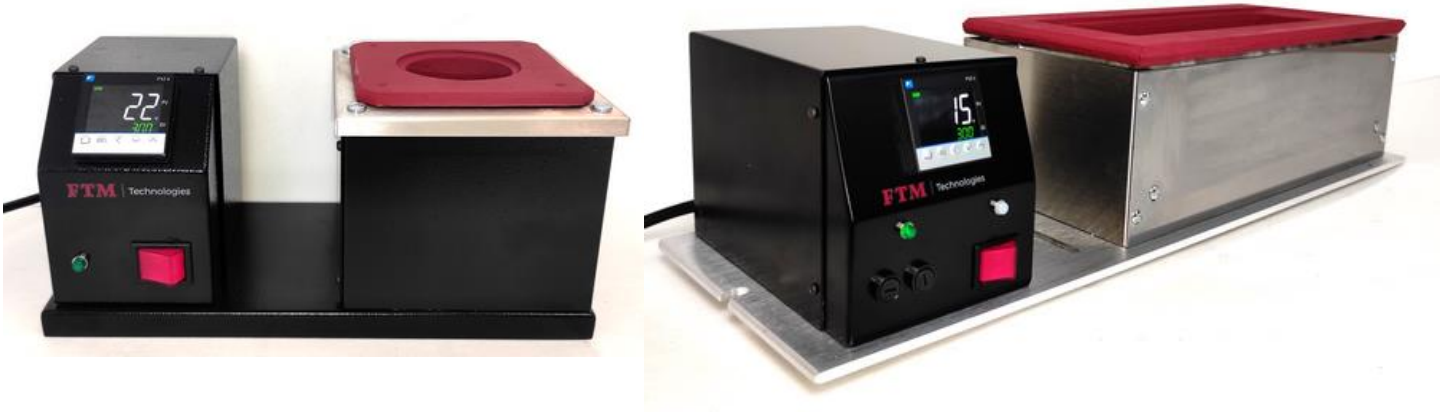


# USER MANUAL

## STATIC TIN BATHS



Dear Customer,

You have just acquired an FTM Technologies product. We thank you for your trust. Please read this notice carefully before using your equipment.

1. Products covered by the package leaflet
2. Technical description of the product
3. Safety recommendations
4. Installation/assembly of equipment
5. Start-up and operation
6. Care and maintenance
7. Spare parts, consumables
8. Guarantee

For any information, contact us:

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## 1. PRODUCTS COVERED BY THE PACKAGE LEAFLET

Read this leaflet before using any of the baths below

Tin Pot	<b>Ref. PE500</b>
Tin bath	<b>Ref. PE600NAD</b>
Tin bath	<b>Ref. BE600N</b>
Tin bath	<b>Ref. BE100</b>
Tin bath	<b>Ref. BE300X50</b>
Tin bath	<b>Ref. BE300X90</b>
Tin bath	<b>Ref. BE300X50D</b>

*For all custom-made bathrooms*

## 2. TECHNICAL DESCRIPTION OF THE PRODUCT

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

Cast iron crucible, high-load cylindrical resistance.

*Titanium Crucible for Custom Baths*

Type J thermocouple (except PE500)

All of our products are compatible with lead-free alloys.

*Key features*

REFERENCE	DIMENSIONS L x W x H	POWER	ALLOY CAPACITY
PE500	140 x 140 x 140 mm	500 W	1.3 kg
PE600NAD	300 x 140 x 140 mm	600 W	1.3 kg
BE600N	480 x 200 x 155 mm	1600 W	6 kg
BE100	480 x 200 x 314 mm	1200 W	7 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

Single-phase alternating current supply, with ground 230 V 50/60 Hz.

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

Temperature: Adjustable from 0 to 520° (except for PE500)

Control accuracy: ± 1%

Temperature rise: 0 to 520° = 40 minutes.

The 2 external grooves of 3 mm deep allow the cleaning of slag and the levelling of the bath by manual scraping. Slide the squeegee over the 2 grooves from left to right so as to collect the slag in the small tray to the right of the Bath.

This groove also ensures anti-overflow safety in the event of an impact.

## Tin Pot Regulator PE600NAD

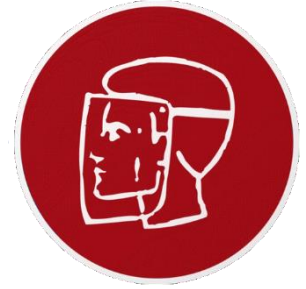
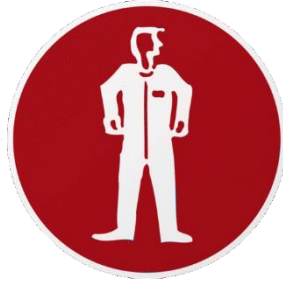


## Tin Bath Regulator BE600N – BE300X50, BE300X50D – BE300X90



## 3. SAFETY RECOMMENDATIONS

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



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

When handling the baths, it is strongly advised not to tip them over without holding the crucible, as this will damage the insulating supports of the bath

If the product must be returned for an after-sales service or moved a long distance, make sure that the bath is imperatively laid flat with shock-absorbing cushioning on a pallet or transported flat on site

## 4. INSTALLATION/MOUNTING OF HARDWARE

- Place the tin bath on a flat, horizontal surface to prevent it from tipping over.
- Connect the power cable and check that this socket has single-phase alternating current with 230V ground wires; 50/60 Hz.
- Cover the bottom of the crucible with grit to prevent damage to the resistors when heating.
- Fill the bath with tin alloy, or other.
- Position the slag collection tank to the right of the bath.
- For safety reasons, the bath temperature will continue to be displayed once the device is turned off and plugged in.

## 5. START-UP AND OPERATION

- Flip the switch.

**CAUTION:** DO NOT HEAT THE BATH WITHOUT ALLOY, AS THIS MAY DAMAGE IT

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

### *Adjusting bath settings*

(By a qualified technician)

#### **If you need to set the alarm setpoint :**

This is an additional safety feature that allows the heating to be turned off if the set temperature is exceeded by more than a desired value.

Press and hold the "SEL" key for 1s until "STBY" is displayed.

Press the decrement key ▼

As soon as "AL1" is displayed

Make a short press of "SEL", flashing the SV display.

Set the desired value using the increment ▲ or decrement key ▼, then confirm by pressing the "SEL" key.

#### **If you need to adjust the measurement offset:**

It is advisable to check the actual temperature of the bath once loaded with alloy and change the offset accordingly

Press and hold the "SEL" key for 3s until "CH 1" is displayed.

Press the decrement key ▼

As soon as "CH6" is displayed

Briefly press "SEL", "PVF" will be displayed.

Press the decrement key ▼

As soon as "ploff" appears, briefly press "SEL".

Set the desired value using the increment ▲ or decrement key ▼, 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 weld in the bath

**CAUTION** : Before any intervention, remove the electrical cord from the power outlet.

## 7. SPARE PARTS, CONSUMABLES

*Spare parts*

REFERENCE	DESIGNATION
REGUL BE	REGULATION FOR BE 600 N
BE RELAY	240V/25A SOLID STATE RELAY
RESIST500	RESISTOR FOR PE500
RESISTANCE 1	RESISTOR FOR PE600NAD and BE100
RESISTANCE 9	RESISTOR FOR BE600N
RESISTANCE 8	RESISTANCE FOR BE600X50
RESISTANCE 16	RESISTANCE FOR BE600X90
RESISTANCE 8	RESISTANCE FOR BE600X50D
P/BE PROBE	PROBE

## 8. WARRANTY

All sets are warranted for 1 year parts and labor as long as you have used the product in accordance with its intended purpose and the instructions in the owner's manual. To implement this warranty, you will have to attach a 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 carried out by any unauthorised person,
- damage caused by a cause external to the device, in particular by lightning, fire, water damage or negligence,
- modification or adaptation of the product.

The warranty does not cover the deterioration of accessories and spare parts of ordinary consumption.

## Notre société

Notre savoir-faire vous accompagne depuis plus de 100 ans.

Nous servons plus d'un millier d'entreprises chaque année tous secteurs confondus et leur permettons de disposer d'outils de travail adaptés à leur activité.

Nous proposons des solutions standards ou concevons des projets sur-mesure adaptés aux environnements et aux problématiques de nos clients.

Notre domaine d'expertise s'étend sur 4 catégories principales de produits :



## Notre offre



**Fabrication française**  
Nos produits sont fabriqués dans nos ateliers de Nanterre.  
Nous nous appuyons aussi sur un réseau de fournisseurs et sous-traitants nationaux.



**Produits durables**  
Des produits fiables dont nous maîtrisons la maintenance et la réparation pour une empreinte environnementale réduite.



**Solutions sur mesure**  
Un projet spécifique, nous vous proposons une solution ad hoc.



**Showroom**  
Présentation de nos produits et réalisation d'essais sur échantillons.



**Devis en ligne**  
Cliquez sur les produits qui vous intéressent, nous vous adressons un devis dans la demi-journée.



**Livraison express**  
Un stock important de plus de 1000 références nous permettant de vous livrer sous 48h pour la plupart de nos produits.



**Paiement sécurisé**  
Possibilité de règlements par Paypal, CB, Visa, MasterCard...



**Service technique à votre disposition**  
Aide au montage, SAV, télédiagnostic.