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Hot Air Station

Ref. JT-B

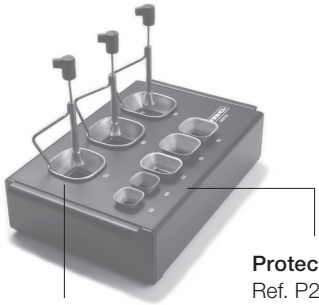
Packing List

Control Unit
Ref. JTE-1B
JTE-2B
JTE-9B

Stand
Ref. JT-SB

Heater hose set
Ref. JT-T1A (100V - 120V)
JT-T2A (230V)

Extractor stand*
Ref. 0008752



Extractors*
Ref. E2184
E2064
E2052

Protectors*
Ref. P2220 (32)
P2230 (48)
P2235 (24)
P4000 (44)
P4010 (60)

Tripod*
Ref. T2050 Ø 39mm
T2250 Ø 85mm

Nozzles
Ref. JN2015 Ø 4mm
JN2012 Ø 6mm
JN2020 Ø 8mm

Suction Tube*
Ref. 0932330

Suction Cups*
Ref. 0930110
Ø 10 - 0934050 (x3)
Ø 4.7 - 0934070 (x1)

Power Cord
Ref. 0009417 (100V/120V)
0009401 (230V)

Manual

** These accessories not supplied with JT-2QB / JT-1QB / JT-9QB stations*

Features

Control Unit
Ref. JTE-1B
JTE-2B
JTE-9B

Main switch

USB-B connector:
- Update station software
- Create graphs
- Manage parameters via PC

Heater inlet

Activation of suction pump

Vacuum inlet for tripods and extractors

Suction Tube

Heating element

Hot Air switch (ON / OFF)

Power cord socket

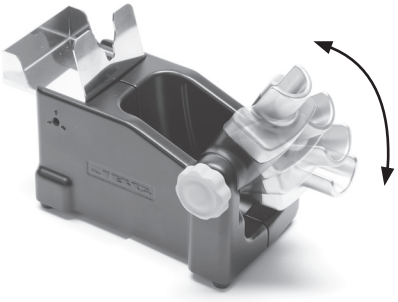
Equipotencial connection

Pedal 0964551 (NOT INCLUDED) (ON / OFF hot air)

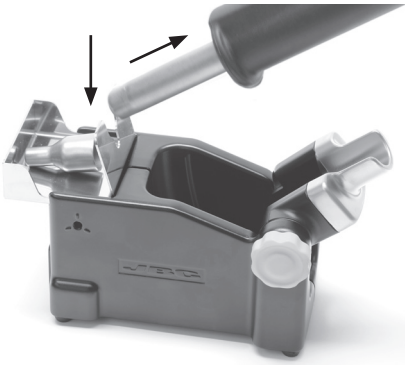
Connectable tools:
JT-T2A / JT-T1A ***Heater hose set***
TE-TB ***Precision Heater hose set***

Adjustable Stand

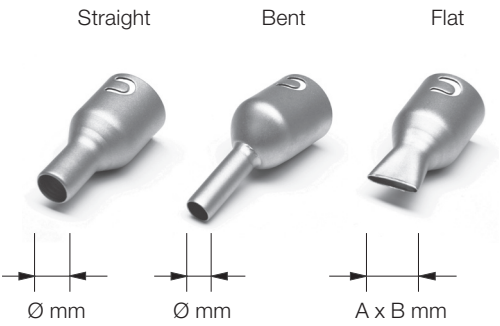
Adapted to JT-TA heating set.



Used to remove the JT Nozzles



Nozzles

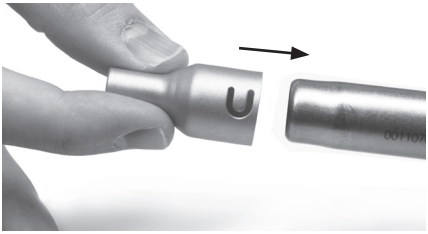


Ref.	Shape	Size
JN2020	Straight	Ø 8mm
JN8417	Straight	Ø 10mm
JN2015	Bent	Ø 4mm
JN2012	Bent	Ø 6mm
JN6633	Bent	Ø 8mm
JN7637	Flat	10 x 2mm
JN7638	Flat	20 x 2mm
JN7639	Flat	30 x 2mm

In case of misalignment of the nozzle with the JT-TA heater:

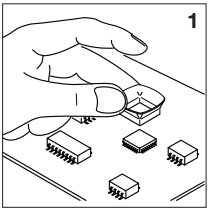
1. Bend down the nozzle tab with a screwdriver or flat nosed pliers.

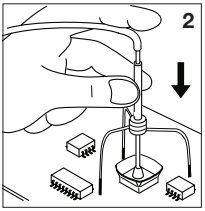
2. Insert the nozzle into the JT-TA Heater again



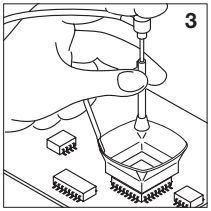
Protectors & Extractors

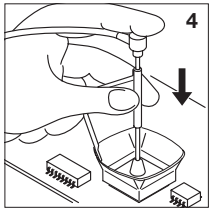
To desolder small components you must use the protector + tripod (fig. 1 and 2).





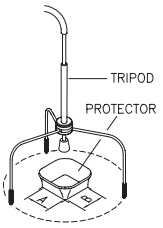
For bigger components use the extractors (fig. 3 and 4).





Protectors

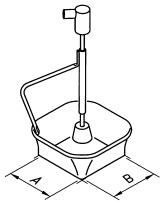
*	Ref.	AxB (mm)	*	Ref.	AxB (mm)
	P3353	4,3 x 3	48	P2230	15 x 15
	P3786	5,2 x 5,2	60	P4010	17 x 17
	P3352	5,2 x 7,5		P4005	18 x 29
	P3355	5,2 x 9,5		P4030	18,5 x 18,5
	P3356	6,2 x 4,2		P1068	18,5 x 24
	P3785	7,2 x 7,2		P2685	28,5 x 28,5
	P3784	8,2 x 8,2		P4085	31,5 x 31,5
	P4035	9 x 13		P2672	33 x 46
	P4040	9,5 x 19		P4002	50 x 50
	P4080	9,5 x 21		P3357	52,5 x 14
32	P2220	10 x 10			
	P4045	10,5 x 21			
	P4090	11 x 16			
24	P2235	12 x 17			
	P1249	12 x 23			
44	P4000	12,5 x 12,5			
	P3354	13,2 x 13,2			
	P4025	13,5 x 21,5			



* Reference Desk

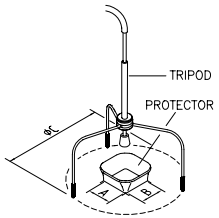
Extractors

*	Ref.	AxB(mm)	*	Ref.	AxB (mm)
52	E2052	20 X 20		E2124	45 X 45
64	E2064	20 X 26			
80	E2184	24 X 24			
68	E2068	27 X 27			
	E4020	28,5 X 28,5			
	E4015	31,5 X 31,5			
84	E2084	33 X 33			
	E2100	38 X 38			



Tripods

*	Ref.	øC (mm)
	T2050	39
	T2250	85

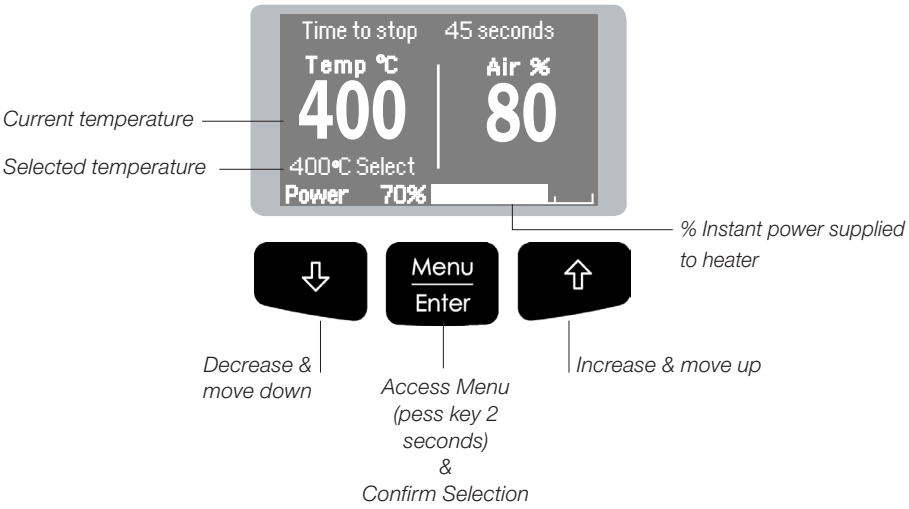


Manual extractor

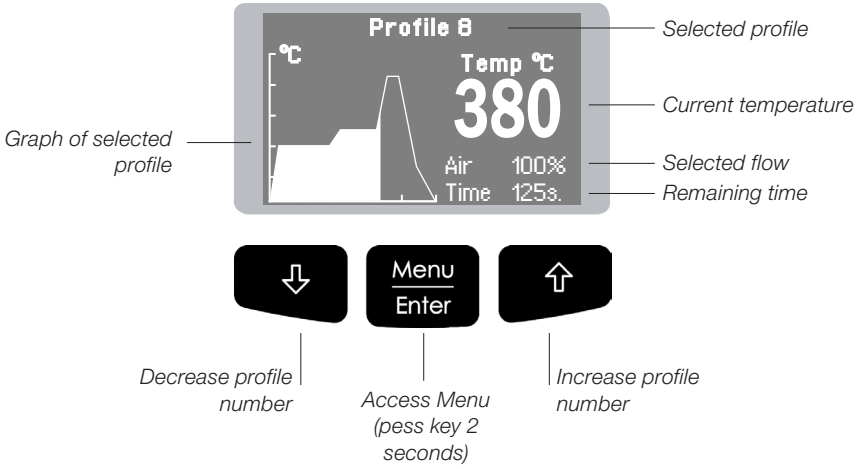
*	Ref.	øD (mm)
	E2190	7

Process Control

Manual Mode



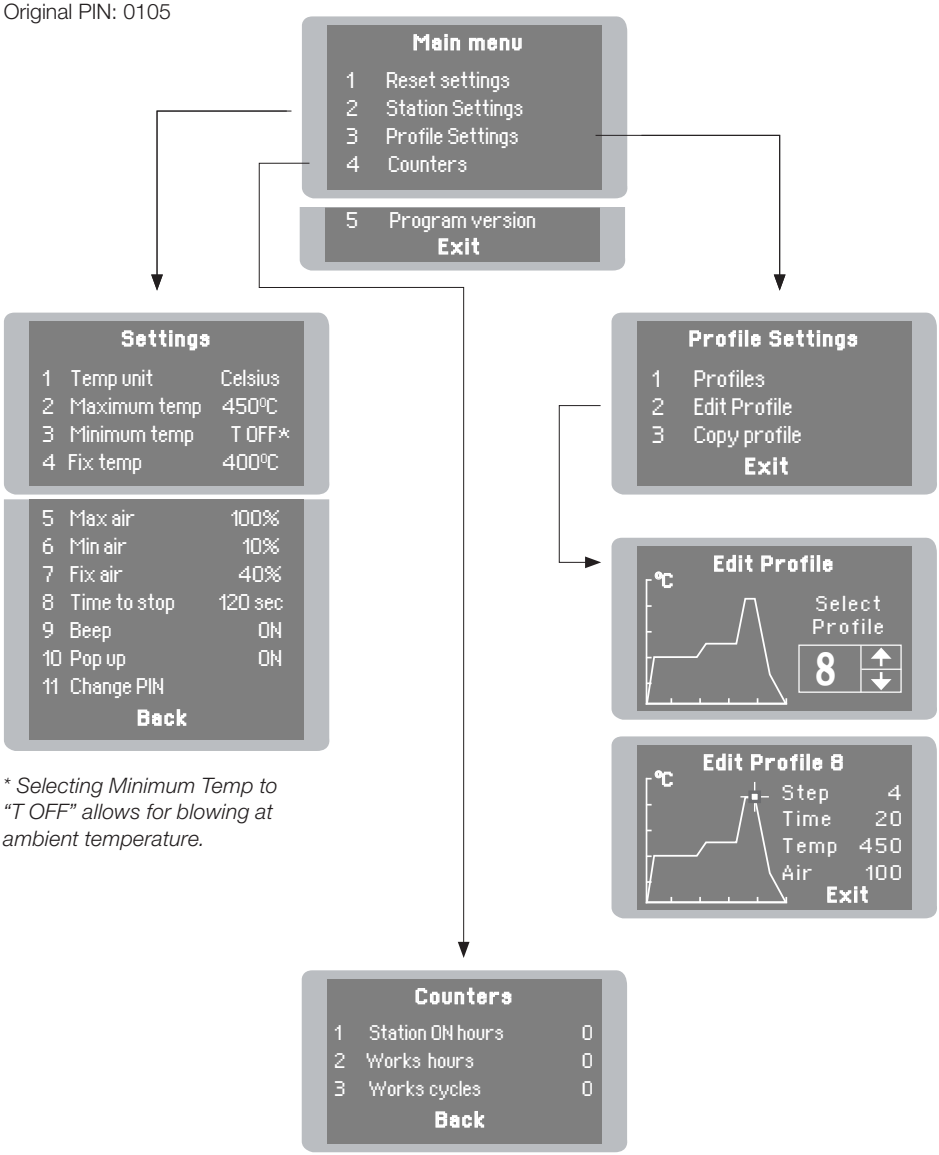
Profile Mode



You can switch between operating modes (Manual Mode / Profile Mode) by pressing the "increase" and "decrease" keys simultaneously for 2 seconds. (Only if mode profiles is ON)

Menu Screen

Original PIN: 0105



** Selecting Minimum Temp to "T OFF" allows for blowing at ambient temperature.*

Process Control

Edit Profile

This option allows you to edit or create a profile.
First , you must select the profile to edit and then modify the points that make up the profile.
Each profile is composed of 9 points, each point is formed by three parameters:

1. Time (seconds)
2. Temperature (°C / °F)
3. Flow rate (%)

You can delete the last point of the profile by selecting "-----" in the time parameter.
It should be taken into account that the regulation range permitted by the station is between 150°C and 450°C, whereby it is not possible to create temperature ramps between room temperature (Toff) and 150°C.

The station can store up to 25 temperature profiles.
The first three profiles are edited as an example.

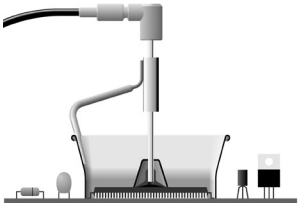
Copy Profile

This option allows you to copy a profile.
You must select the profile source and the destination profile where it will be copied.

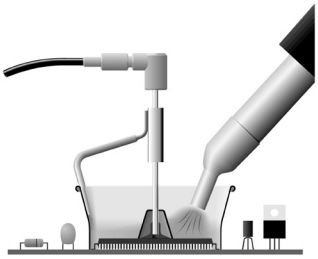
Delete Profile

This option will allow you to delete a profile previously selected.

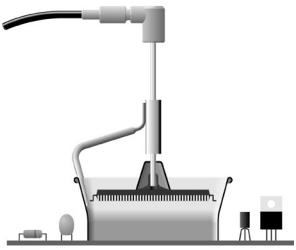
Desoldering Procedure



1. Position suction cup.



2. Hot-air melts solder.

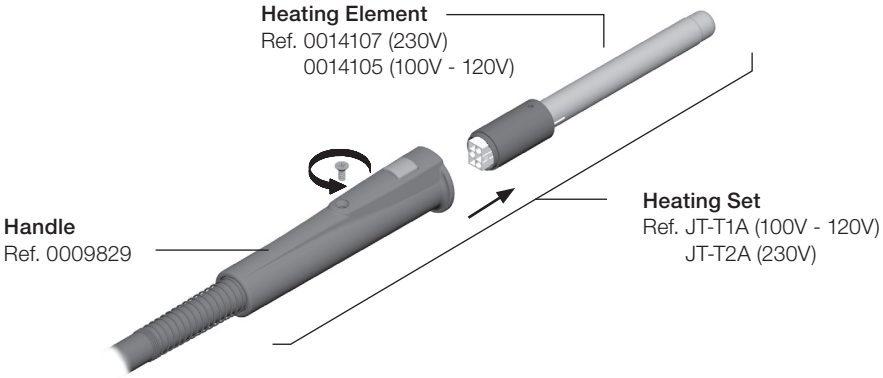


3. IC pops up automatically.

Replacing the Heating Element

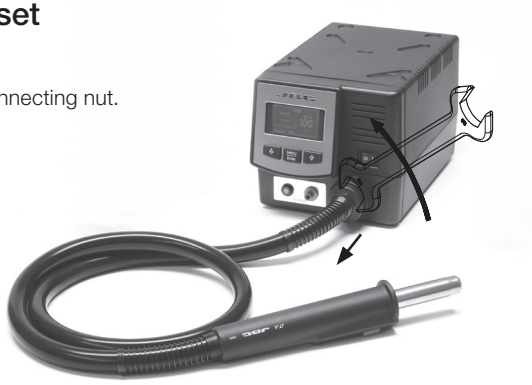
Only perform this operation when element is cold and unit is disconnected from mains.

1. Untighten screw.
2. Pull element forward off handpiece.
3. Connect new heating element, ensuring its seated all the way in.
4. Replace screw.



Changing the heating set

1. Ensure that the tool is off.
2. Use a wrench to unscrew the connecting nut.



3. Pull back the connecting nut.
4. Tube end must be inserted positioned so that the longitudinal rib can fit into the groove.
5. Follow steps in reverse to connect the heating set.

Maintenance

Before carrying out maintenance or storage, always allow the equipment to cool.

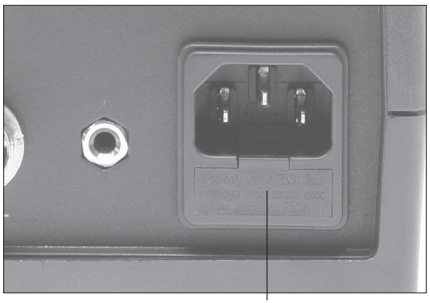
- Clean the station's screen with a glass cleaner or a damp cloth.

- Use a damp cloth to clean the casing and the tool. Alcohol can only be used to clean the metal parts.

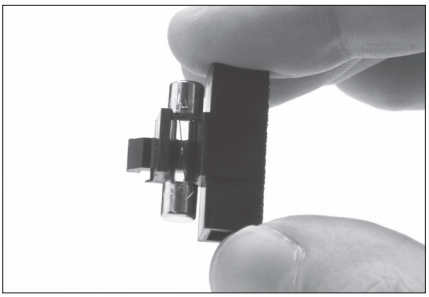
- Maintain heating element clean prior to storage in order to avoid tip oxidation. Rusty and dirty surfaces reduce heat transfer to the solder joint.

- Periodically check all cables and tubes connections.

- Replace the fuse if it is blown according to the following guidelines:



Remove the fuse by pulling the black cap.
If necessary use a tool to lever it off.



Press the new fuse into the holder and replace it in the station.

- Replace any defective or damaged pieces. Use original JBC spare parts only.

- Repairs should only be performed by a JBC authorized technical service.

Safety

It is imperative to follow safety guidelines to prevent electric shock, injury, fire or explosion.

- Do not use the units for any purpose other than soldering or rework. Incorrect use may cause fire.

- The power cord must be plugged into approved bases. Be sure that it is properly grounded before use. When removing it, hold the plug, not the wire.

- The tool should be placed in the stand when not in use. The metal part of the tool and the stand may still be hot even when the station is turned off. Handle with care, including when adjusting the stand position.

- Do not leave the appliance unattended when it is on.

- Do not cover the ventilation grills.

- Heat can cause inflamable products to ignite even when out of sight.

- Use a “non residue” classified flux and avoid contact with skin or eyes to prevent irritation.

- Be careful with the fumes produced when soldering.

- Keep your workplace clean and tidy. Wear appropriate protection glasses and gloves when working to avoid personal harm.

- Utmost care must be taken with liquid tin waste which can cause burns.

- This appliance can be used by children over the age of eight and also persons with reduced physical, sensory or mental capabilities or lack of experience provided that they have been given adequate supervision or instruction concerning use of the appliance and understand the hazards involved. Children must not play with the appliance. Maintenance shall not be carried out by children unless supervised.

Technical Specifications

- Temperature selection: Room temperature / 150ºC to 450°C (300ºF to 840ºF).
  Cool mode: T Off, can be used to blow air at room temperature.
- Ambient Operating Temperature: 10 to 40ºC (50-104ºF)
- Output Peak Power: 1000W.
- Air flow regulation: 6-45 SLMP.
- Vacuum: 30% / 228 mmHg / 9 inHg
- **JT-1B** 120V 50/60Hz. Input fuse 8A.
- **JT-2B** 230V 50/60Hz. Input fuse 4A.
- **JT-9B** 100V 50/60Hz. Input fuse 8A.
- Total weight of unit: 5,7Kg (12,6lb)
- USB interface station-PC
- Complies with CE standards
- ESD protected housing “skin effect”

JBC

Warranty

JBC’s 2 year warranty covers this equipment against all manufacturing defects, including the replacement of defective parts and labour.
Warranty does not cover product wear due to use or mis-use.
In order for the warranty to be valid, equipment must be returned, postage paid, to the dealer where it was purchased.

This product should not be thrown in the garbage.
In accordance with the European directive 2002/96/EC, electronic equipment at the end of their life must be collected and returned to an authorized recycling facility.

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