

For your own safety

The device can be handled safely provided both the directions and the safety warnings are thoroughly read and the instructions contained therein are strictly followed.



The device shall not be wet, nor may it be used in any wet rooms.



Gas and vapour emissions are harmful to your health. Thoroughly air the workplace.



Do not touch the tip of the desoldering iron when it is hot. Leave the tip cool before replacing the tool.



Do not use the tool near any gases or flammable materials. Do not use the tool in any rooms where there is danger of fire or explosion.

Comply with the mains voltage!

The voltage reported on the plate of the desoldering station shall match the voltage of the supply mains. Do not leave the device unattended; keep out of reach of children and animals. Before plugging in, connect the desoldering iron to the machine. The desoldering station 1826 is controlled by a microprocessor and is complete with a high-capacity suction pump (7 l/min.). To start the pump, press the button on the handle of the desoldering iron; the vacuum will be displayed on the bargraph simultaneously. It is equipped with an LCD for controlling the temperature of the desoldering iron.

Specifications

- The selected temperature can be set by disabling the keyboard through the Password.
- Energy Saving feature, resulting in increased durability and remarkable energy saving.
- Provided with a memory for saving the selected temperature when the machine is turned off.
- Ongoing temperature adjustment 150°C a 400°C.
- Selecting one of the four temperatures stored (T1=250°C, T2=300°C - T3=350°C, T4=400°C).
- Unipotential connection outlet on the back (makes up for any difference in the electric potential between the soldering iron and the circuit that is being handled).
- The desoldering station 1826 is equipped with a backlit LCD and all the features are controlled by a microprocessor. When the machine is turned on (ON) the word BETA is shown, followed by the model 1826. After a few seconds the temperature of the tip is shown (e.g. 300°C). To select the operating temperature, press the SET key repeatedly, until the required temperature is reached. The following will be shown in succession: T1 = 250°C - T2 = 300°C - T3 = 350°C - T4 = 400°C. To save one of the four temperatures, display the one required and press the ► key.

A temperature other than the four above-mentioned ones can also be selected, ranging between 150°C and 400°C, by pressing the ► key to increase it and the ◀ key to decrease it (e.g. SET 300°C).

Energy Saving feature

When the machine is on (ON) press the SET key repeatedly, until the words E.S. OFF are shown. Press the ► key; words E.S. ON will be shown. After a few seconds an asterisk (*) will be shown before the temperature, thus confirming that the feature has been selected.

If the desoldering iron is not used for 15 minutes, the microprocessor controlling the features of the machine brings the desoldering iron to a temperature of 200 °C and maintains it at that level until one of the three control keys is pressed (◀ - set - ►). When the Energy Saving feature is enabled, the minutes that are left before this feature is enabled will be shown on the display every 15 seconds (e.g. ES <10'). After the whole period has elapsed, the desoldering iron is set to the Energy Saving mode and the asterisk (*) blinks on the display; being brought to a temperature of 200 °C.

To disable this feature, repeatedly press the SET key, until the words E.S. ON are shown. Press the ◀ key; the words E.S. OFF will be shown and the asterisk (*) disappear, thus confirming that the feature has been disabled.

Password feature

After selecting the required temperature and, if need be, the Energy Saving feature, the keyboard can be disabled through the Password feature.

In this state the ◀ key can be pressed to display only the set temperature.

When the machine is on, press the SET key repeatedly, until the words PSW OFF are shown. Press the ► key; the words PSW ON will be shown. After a few seconds an exclamation mark (!) will be shown before the temperature, thus confirming that the feature has been selected.

To remove the Password feature, press the SET and ► keys simultaneously. The word PSW? will be shown on the display. Type in the Password number (142), pressing the ► - ◀ - SET keys in succession. The words PSW OFF will be shown on the display.

If the wrong number or no number is typed in, the feature will not be disabled. Repeat the operation to disable it.

Additional features**Operating time for the Energy Saving feature.**

The operating time for the Energy Saving feature (15 minutes) can be changed, provided it ranges between 1 and 60 minutes. Press the SET key until the words MIN. 15 are shown. Press the ► key to increase the time and the ◀ key to decrease it.

Changing the Password number.

The Password number (142) can be changed. Press the SET key, until the words NEW PSW? are shown press the ► key; the word PSW << will be shown. Now the new number (3 digits) can be typed in.

The configuration of the numbers with the keys is as follows:

1. ► key
2. SET key
3. ► and SET keys simultaneously
4. ◀ key
5. ► and ◀ keys simultaneously
6. SET and ◀ keys simultaneously
7. ►, ◀ and SET keys simultaneously

Resetting

If the Password number is forgotten, a RESET procedure can be carried out (the features programmed by the manufacturer are restored).

To carry out the RESET procedure when the machine is off, take the following steps:

- press the three function keys (◀ SET ►) and keep them pressed. The symbol S < will be shown. Type in the secret code (123257); the machine will automatically save all the features set by the manufacturer.

Tips

The tip shall be hot-cleaned with a damp sponge cloth. DO NOT FILE IT.

It is recommended that the device should not be used at the highest temperature (unless this is strictly necessary) over prolonged periods of time, to prevent the tip from wearing too early.

Warnings

The tip shall be replaced when the desoldering iron is cold. Before carrying out any jobs on the desoldering station, turn off the machine and remove the plug from the socket. To cool the desoldering iron and during any breaks, use the rest supplied with the tool.

Important

1. Suck by means of the pump, only after melting solder completely.
2. Remove the solder vessel and clean it every day, or after 200 operations.
3. Replace cotton in both the solder vessel and the filter on the suction pipe when it gets yellowish.

Maintaining tips

Steeled tips (Duratyp) are supplied; if they are used properly, they will prove durable.

1. Solder the tip before turning off the desoldering station.
2. Remove the tip and clean it every 24 hours, or at least once a week.
3. Do not use any chloride or acid containing fluxes; use only fluxes activated with either colophony or resin.
4. After cleaning the tip, tighten the lip ring by hand (do not use any pliers).

Cleaning obstructed tips

During this operation (to be performed when the tool is hot), be careful not to get your fingers burnt.

Use the iron wire 0.8 mm in diameter (supplied with the tool), repeatedly passing it through the tip, until any solder residues are removed; then start the suction pump.

Cleaning solder vessel

WARNING: This operation shall be performed when the machine is off and the tool is cold.

- 1) Press the orange washer behind the desoldering iron and turn it counterclockwise (Fig. 1).

Fig. 1



- 2) Take off the solder vessel (Fig. 2).

Fig. 2



- 3) Remove any solder residues from the vessel (Fig. 3).

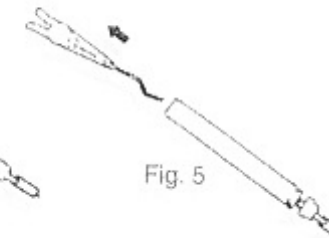
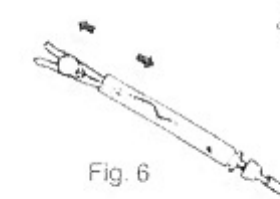
Fig. 3



- 4) Remove the cooling tape with tweezers (Fig. 4-5).

Fig. 6

Fig. 5



- 5) Clean the cooling tape and the glass vessel.

Replacing filters

Filter in the glass vessel within the desoldering iron. After taking off the clear vessel (Fig. 1-2), remove the cotton filter with tweezers and replace it (Fig. 6-7-8-9).

Fig. 6

Fig. 7

Fig. 8

Fig. 9

**Filter on suction pipe**

- 1) Loosen the filter on the suction pipe, separating the two parts (Fig. 10).
- 2) The outer part is a filter tip; the inner part is made from cotton. Replace the two parts, placing them as shown in Fig. 10.



filter tip Fig. 10

Declaration of conformity.

BETA SpA hereby states on its own responsibility that the product, described in IMQ Certificate Nr. CA05.00165 complies with the CEI EN 60335-2-45/1997 and EN 60555 standards, and meets the basic requirements of the B.T. 73/23/EEC - 93/68/EEC and 89/366/EEC directives.

