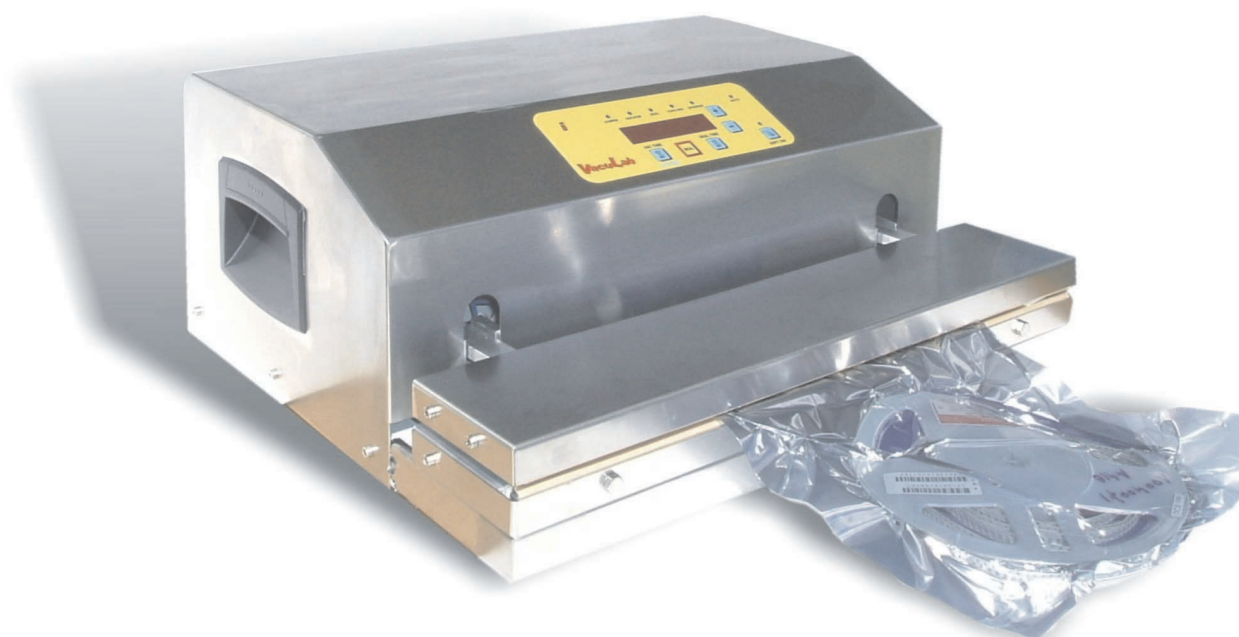


model

S.N.

7914.359

English



7914.359

VACUUM BAG SEALER
Instruction manual

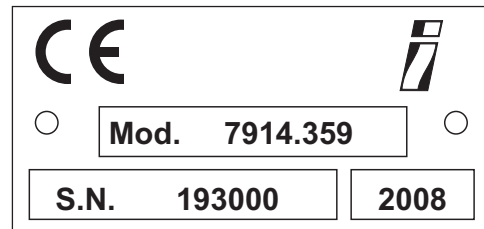
EC CONFORMITY

Units 7914.359 conform to EC directives 89/336/EEC and 73/23/EEC, the following harmonized standards are in use EN 60204-1, EN 50081-1 e EN 50082-1.

A weighted sound pressure <70dB (A)

A weighted sound power < 85dB (A)

Rear sign:



SAFETY INSTRUCTIONS

Attach first the power cord to the counter and then into an appropriate AC outlet.

Warning! Take care in touching the sealing bars!
With incorrect procedures, may occur the risk of burning.

The machine shall be connected to an electrical system having ground connection.

WARRANTY

This unit is guaranteed against all defects due to faulty materials and workmanship, within 12 months from the date of purchase. A use not conforming to what specified might be dangerous to the safety of the operator and may damage the unit. In such circumstances the manufacturer is relieved of any liability and the warranty itself will decay.

REPAIR

Repairs have not been attempted by anyone other than authorized repair distributors.
Do not try to repair the unit by yourself.

ATTENTION: Dangerous voltage is present inside the unit.

Protecting the environment



Separate collection. This product must not be disposed of with normal household waste.

Should you find one day that your product needs replacement, or if it is of no further use to you, do not dispose of it with household waste. Make this product available for separate collection.

Separate collection of used products and packaging allows materials to be recycled and used again.

Re-use of recycled materials helps prevent environmental pollution and reduces the demand for raw materials.

Local regulations may provide for separate collection of electrical products from the household, at municipal waste sites or by the retailer when you purchase a new product.



TECHNICAL DATA

7914.359

Sealing bar (mm)
Sealing bars (width)
Vacuum Pump
Noise
Dimensions (mm)
Power supply

External aspiration vacuum bag sealer

450 mm
2 x 6mm
Dry ,3m³/h.
<65dB
490x390x220mm
220V/50Hz -600W

BAGS FOR VACUUM SEALING

NORMAL BAGS ARE NOT SUITABLE FOR VACUUM PACKAGING

Normal polyethylene bags are not suitable for vacuum packaging, even if for some time seem to keep vacuum, passing the time the air start to come into the bag because the film is porous.

Special multilayer bags have to be used. They are made in different materials and normally indicated as "**BARRIER BAGS**".

The "Barrier Bags", because are made from multilayer film and not from plastic extrusion, always have two lateral soldered stripes.

"EMBOSED" TYPE BAGS FOR EXTERNAL ASPIRATION

In external aspiration appliances "embossed" type bags are the best solution for an easy operation. They are made with small straight rails parallel to the lateral sides that facilitate the output of the air during the aspiration job. These bags are not antistatic and mostly used in food packaging.

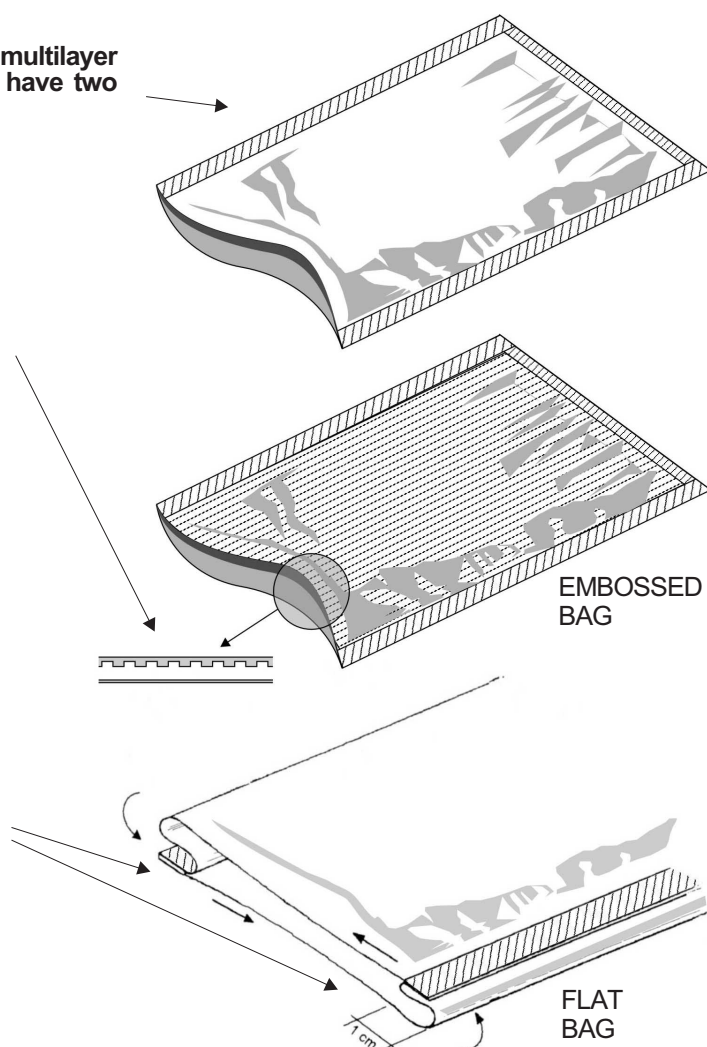
FLAT BARRIER BAGS

They are normally used with vacuum tank sealers (internal aspiration).

Flat barrier bags for electronic appliances are ESD-dissipative and show good EMI/RFI shielding properties.

When using **external aspiration** vacuum sealers make sure that the two lateral bag borders are out of alignment in order to obtain two little air suction channels.

Suggested bag thickness:
max 2 x 80µm
2 x 120µm



INSTALLATION

Remove the package and check that machine is undamaged. In particular, look for possible damages caused by transport. If in doubt, do not use the machine and refer to Iteco.

Place

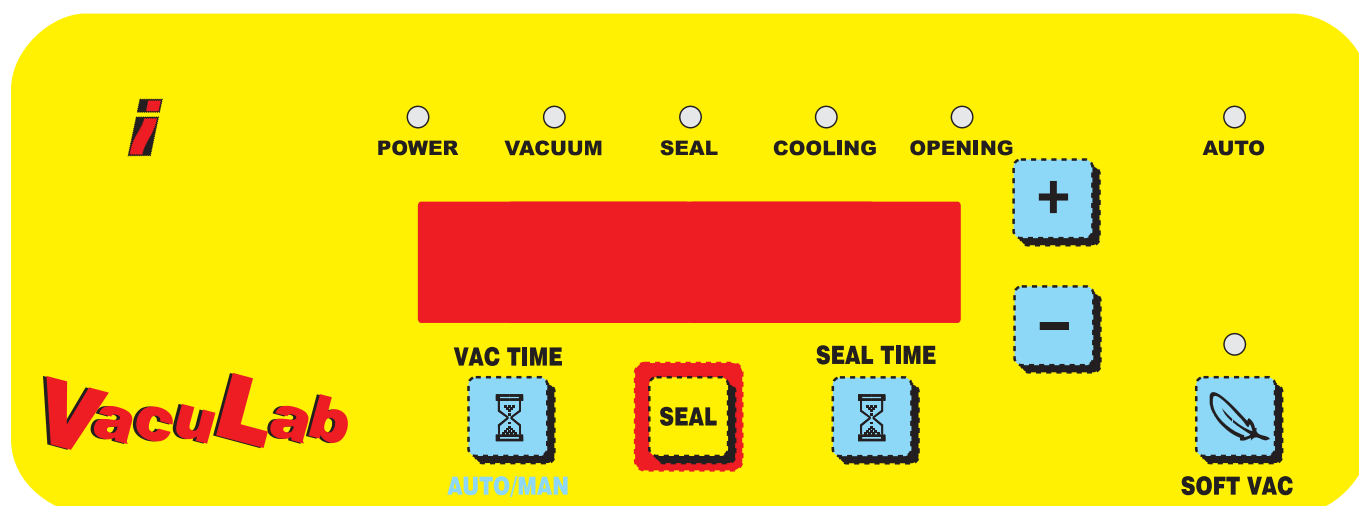
Position the machine in a place with low humidity percentage and far from heat sources.

DRY PUMP VACUUM BAG SEALER MOD. 7914.359

no preliminary operations required, connect directly to the mains and operate.

MACHINE AND CONTROLS DESCRIPTION

CONTROL PANEL



VAC-TIME button, the vacuum time will appear on the display. By pressing and holding this button for 2 sec. enter the « pump suction time » and by using the +/- buttons set the time required which will appear on the display (operation to be done only when using the automatic cycle).

NOTE: this button is also used to change from AUTO to MANUAL mode with no time limit .

In order to switch from AUTO to MAN keep pressed the VAC-TIME button and when display blinks press it again . AUTO led will show the mode setted.

SEAL-TIME button, the sealing time will appear on the display. By pressing and holding this button for 2 sec. enter the « sealing time » and by using the +/- buttons set the time required which will appear on the display.

"SEAL" , to be pressed manually when the desired vacuum is achieved in order to start sealing.

"SOFT VAC" activate the "soft vacuum mode" , useful for packing of fragile objects.(air suction is reduced)

+ / - buttons, by pressing these buttons, it is possible to increase or decrease vacuum time and sealing time that are to be set.

PRELIMINARY OPERATIONS

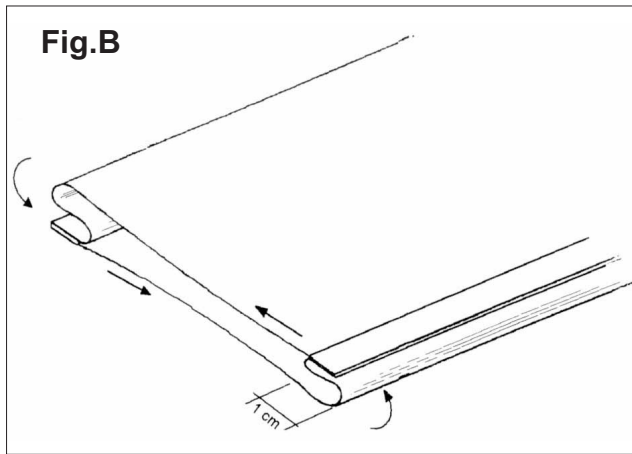
- 1 Connect the plug to the apposite current outlet 230V.
- 2 Press the line button in the rear panel; at the same time the pilot lamp lights up.

MANUAL CYCLE (vacuum time: MANUAL - soldering time: PRESETTED)

- 1 Check that the led near AUT is off, and the left part of the display shows " - - - - ".
- 2 Check that the sealing time has been set properly, if not press SEAL-TIME . By pressing and holding this button for 2 sec. enter the « sealing time » and by using the +/- buttons set the time required which will appear on the display.
- 3 Once the piece to be packaged is introduced into the bag, put the bag opening under the sealing bars (Fig. A), making sure that the two lateral bag borders are out of alignment (Fig. B) in order to obtain the air suction channels. This is not necessary when using the apposite « GOFFRATO » or "EMBOSSSED" type bags, which can be introduced perfectly flat without any side-folds.
- 4 Lower the plate pressing adequately on it until it remains closed, thus permitting the air suction to begin.
- 5 When the bag is perfectly adherent to the piece (after about 30/40 sec.), press the SEAL button to start the sealing phase and the subsequent cooling phase.
- 6 The lid opening takes place automatically at the end of the sealing/cooling cycle.

AUTOMATIC CYCLE (vacuum time: PRESETTED - soldering time: PRESETTED)

- 1 Set the AUTO mode (see before)
- 2 Check that the vacuum time has been set properly, if not press VAC-TIME . By pressing and holding this button for 2 sec. enter the « vacuum time » and by using the +/- buttons set the time required which will appear on the display.
- 3 Check that the sealing time has been set properly, if not press SEAL-TIME . By pressing and holding this button for 2 sec. enter the « sealing time » and by using the +/- buttons set the time required which will appear on the display.
- 4 Lower the plate pressing adequately on it until it remains closed, thus permitting the air suction to begin.
- 5 Cycle will take place automatically with vacuum time and sealing time presetted.



VACUUM PACKING OF ELECTRONIC COMPONENTS.

IPC/JEDEC J-STD-033A is the reference standard about Handling, Packing, Shipping and Use of Moisture/Reflow Sensitive Surface Mount Devices

MSD (Moisture Sensitive Devices)

Many electronic devices are made from plastic that absorbs moisture from the air.

When the case is heated during soldering, the moisture inside turns to steam and may break the device as the steam escapes. Keeping the devices dry before soldering means that them will not be damaged.

MSL (Moisture Sensitivity Levels) The standard JEDEC J-STD-020A has defined eight categories of moisture sensitive levels: 1 - 2 - 2a - 3 - 4 - 5 - 5a - 6 (6 is the most sensitive), which relate to the maximum allowable time that the parts can be exposed to ambient conditions after removal from the dry pack prior to solder reflow.

FLOOR LIFE

Floor life is the time allowed between opening any dry pack and subsequent soldering operations and is defined for packages according to the standard JEDEC J-STD-020A. Recommended floor life for dry packed products is usually indicated on the dry pack. Note that the safe floor life will be affected by the ambient environmental conditions.

Recommended floor life conditions are:

JEDEC level	Dry packed	Floor life at 30°C/60%RH
1	no	Unlimited
2	yes (without bake)	1 year
3	yes	168 Hours
4	yes	72 Hours
5	yes	48 Hours

BAKING

A rebake is recommended if storage conditions exceed either 30°C/60% or the quoted floor life. The time and temperature of the bake depend on the package thickness as defined in the table below.

The floor life clock is reset to zero following the rebake. However if the ambient conditions still do not meet those defined the product should be used immediately following the bake.

Package Body Thickness	Level	Bake @ 125°C		Bake @ 90°C ≤ 5% RH		Bake @ 40°C ≤ 5% RH	
		Saturated @ 30°C/85% RH	At limit of Floor Life + 72hr @ 30°C/60% RH	Saturated @ 30°C/85% RH	At limit of Floor Life + 72hr @ 30°C/60% RH	Saturated @ 30°C/85% RH	At limit of Floor Life + 72hr @ 30°C/60% RH
≤ 1.4mm	2a	5 hours	3 hours	17 hours	11 hours	8 days	5 days
	3	9 hours	7 hours	33hours	23 hours	13 days	9 days
	4	11 hours	7 hours	37hours	23 hours	15 days	9 days
	5	12 hours	7 hours	41hours	24 hours	17 days	10 days
	5a	16 hours	10 hours	54 hours	24 hours	22 days	10 days
≤ 2.0mm	2a	21 hours	16 hours	3 days	2 days	29 days	22 days
	3	27 hours	17 hours	4 days	2 days	37 days	23 days
	4	34 hours	20 hours	5 days	3 days	47 days	28 days
	5	40 hours	25 hours	6 days	4 days	357 days	35 days
	5a	48 hours	40 hours	8 days	6 days	79 days	56 days
≤ 4.5mm	2a	48 hours	48 hours	10 days	7 days	79 days	67 days
	3	48 hours	48 hours	10 days	8 days	79 days	67 days
	4	48 hours	48 hours	10 days	10 days	79 days	67 days
	5	48 hours	48 hours	10 days	10 days	79 days	67 days
	5a	48 hours	48 hours	10 days	10 days	79 days	67 days

N.B. Product may be stored indefinitely once the dry pack is opened provided that the ambient humidity does not exceed 20% RH. Humidity controlled dry-air or dry-nitrogen cabinets are recommended for this purpose.

BAG DIMENSION

it is suggested the use of the smaller bag according to the dimension of the product to be packed, in this way a better time will be achieved in air extraction, and above all the quantity of desiccant product will be drastically reduced. (desiccant is used to keep the relative humidity under 10%RH @ 25°C)

DRY PACKING : the baked MSD components should be vacuum-sealed in an ESD Moisture barrier bag with a Dessicant and a Moisture humidity indicator. Moderate vacuum is preferred; high vacuum can be detrimental by cracking the plastic support of the components and by reducing the effectiveness of dessicant.

MBB

Moisture Barrier Bag

DESICCANT - Desiccant is a drying agent that absorbs moisture vapour (humidity) from the air left inside the barrier bag. Any moisture that penetrates the bag will also be absorbed. Desiccant is sold by "**Unit**" or in grams, one unit weighs about 30grams. There are several standards for calculating the desiccant loading for bags.

HIC - Humidity Indicator Card will change color from blue to pink (or blue to brown), when the indicated relative humidity is exceeded. It is packed inside the bag, along with the dessicant, to determine the level of moisture to which the MSDs have been subjected.

SPARE PARTS

- | | | |
|----|------------------|--|
| 1 | 5720400 | Fuse 5 x 20 10A |
| 2 | 6910231 | Leaking cartridge 3/8" |
| 3 | 5357360 | Transformer 230/18V 625VA |
| 4 | 6910130 | Complete pneumatic valve MB58 220V 1/8 |
| 5 | 6581600 | Vacuum dry pump |
| 6 | 9914360 | CPU card |
| 7 | 5952105 | Microswitch Honeywell |
| 8 | 9914362 | Display panel with card |
| 9 | TEF040A | Adhesive teflon band 40mm x 1m |
| 10 | RES-6 | Heating strap resistance 0,20 X 6mm x 1,1m |
| 11 | VAC-GASK1 | Rubber gasket 10mm diameter |

