



Enotecnica

Pillan srl

USER AND

MAINTENANCE

BOOKLET

TICO MOTOR



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TICO MOTOR USER AND MAINTENANCE BOOKLET

IDENTIFICATION OF MACHINE COMPONENTS

- A) ELECTRIC CONTROL BOARD
- B) XXXXX
- C) DISTRIBUTOR
- D) ELECTRIC MOTOR
- E) PUMP
- F) PISTON
- G) PRESSING PLATE
- H) CAGE
- I) TILLER FOR MOVEMENT
- J) COLUMN
- K) COLUMN LOCK
- L) COLUMN RETURN SPRINGS

SAFETY STANDARDS AND PRELIMINARY INSTRUCTIONS

Improper use and incorrect maintenance can cause damage to persons or property. To prevent possible accidents, comply strictly with these safety standards.

- a) **INSTRUCTIONS:** only use the machine after reading this booklet which, in the event of loss, can be requested from: Enotecnica Pillan srl Via Chiesa n.12 Rampazzo -36043 Camisano Vicentino Italy.
- b) **USE:** do not allow children, unauthorized persons or those without sufficient knowledge of its use to utilise the press.
- c) **MOVEMENT:** this is very simple; models D.40, D.50 and D.60 are provided with two wheels, while model D.70 has four wheels; this allows rapid and effortless positioning of all press models.
It is very important for presses to be moved on flat ground and not on slopes or uneven ground as, due to their structure, this operation would be extremely dangerous. During movement there must be no-one in the handling area. Always ensure that the column locks (fig. 4, components M) are in the locked position both in the pressing phase and during movement.
- d) **ELECTRIC CONNECTION:** - before each use check the condition of the wiring cables; in the event of damage or cuts replace the cable.
-do not run tools or machinery over the cable, as this could cause irreparable damage.
 - do not lay power cables on wet or muddy ground.
 - switches, sockets and plugs must be insulated from dampness and earthed.
 - always use earthed cables.
 - always check before any connection that the mains voltage corresponds to the indications on the motor rating plate.
 - the electric system of the building must be provided with a thermal magnetic circuit breaker switch, to guarantee the safety of persons in the event of a fault.
 - keep children and irresponsible persons away from electric parts.
 - do not allow the motor to come into contact with any type of liquid
- e) **MOTOR BREAKDOWN:** in the event of breakdown or faulty operation of the electric motor, the operator must never disassemble it, but contact the dealer or manufacturer.

START- UP USER MANUAL

- a) **POSITIONING:** the machine must be used on a flat surface; other positions may cause it to overturn or may be dangerous.

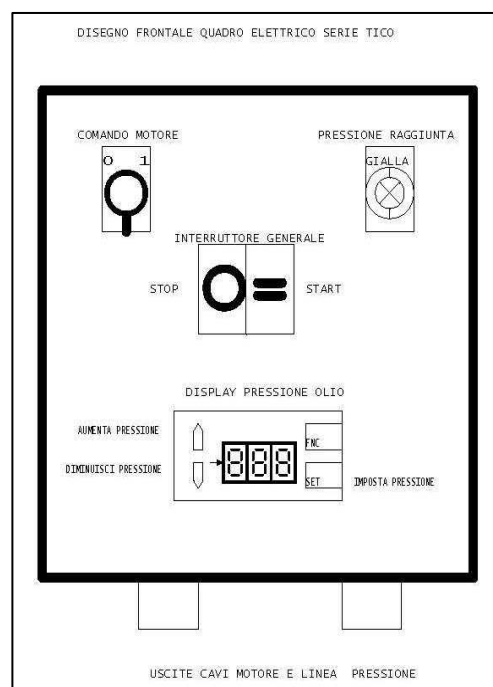
IT IS ADVISABLE ALWAYS TO PERFORM A PRESSING CYCLE WITH THE MACHINE EMPTY THE FIRST TIME IT IS USED AND EACH TIME THE PRESS HAS REMAINED IDLE FOR A LENGTHY PERIOD.

b) **LOADING THE PRODUCT TO BE PRESSED**

- 1 Raise the column locks (Fig. 4 component M) (Mod. D.70 has a safety screw which must be removed before they can be raised).
- 2 Bend the column (Fig. 1 component L) towards the tiller (Fig. 1 component I) of the press.
- 3 Fill the cage with pomace to be pressed; it is essential to distribute the product evenly for correct press operation.
- 4 Upon termination of this operation return the column (Fig. 1 component L) to the starting position and lock it with the column locks (Fig. 4 component M). in Mod. D.70 insert and tighten the safety bolt.
- 5 **Check carefully that during the initial part of the descent the pressing plate (G) is centered with the cage (H), otherwise stop the machine and align them.**

c) **STARTING TO PRESS**

- 1 **SWITCHING ON:** connect the power cable with earth connection to the motor plug; the press is now ready to start pressing.
- 2 To turn on the switchboard, press the black button next to the red mushroom button
- 3 To start the motor, turn on the motor selector in Position 1.
- 4 To change the oil pressure, just take action on the arrows on the instrument:
Up arrow → increase pressure
Down arrow → decrease pressure
Pressing the set button, you can set the desired pressure as with the use of arrows.
(Adjust the pressure to the minimum: 100 ATM). When pressure is reached, the yellow light power on.
- 5 If you press the start black button and the display doesn't turn on, check the power connection and its cable.
- 6 Turn the distributor level (fig. 3 component C) to the right. The pressing plate starts to climb down.



Your press will now start pressing; it will stop upon reaching the preset pressure on the display. **IMPORTANT:** during the first pressing operations the pressure must reach 300 ATM gradually. When the pressure decreases after discharge of the pressed product, the automatism will start pressing again.

It is advisable to increase the pressure gradually, to prevent, in the event of pomace with a large quantity of must, this from spraying through the cracks in the cage. When the pressure remains fixed at maximum level, this means pressing has terminated.

- 7 After pressing, turn the distributor lever (fig. 3 component C) to the left; the piston rod will start to return. **IT IS EXTREMELY IMPORTANT TO RETURN THE OPERATING PRESSURE TO MINIMUM.** Once the rod has fully returned the press will stop; now set the switch to position 0 and disconnect the machine from the power supply.

d) **UNLOADING THE PRESSED PRODUCT**

- 1 Disconnect the power supply.
- 2 Open the cage using the hooks and remove the two half-cages.
- 3 Remove the pressed product.
- 4 Replace the 2 half cages and insert the hooks.

A new pressing cycle can now be started.

NORMAL MAINTENANCE

The Tico press does not require any special maintenance; nonetheless, careful cleaning using warm water and mild, non-toxic detergents is recommended before use. This operation must also be performed carefully before using the machine for the first time.

We would remind you that the press has an electric system and therefore must not be stored in damp places, as this could cause damage to the electric power unit or to the motor.

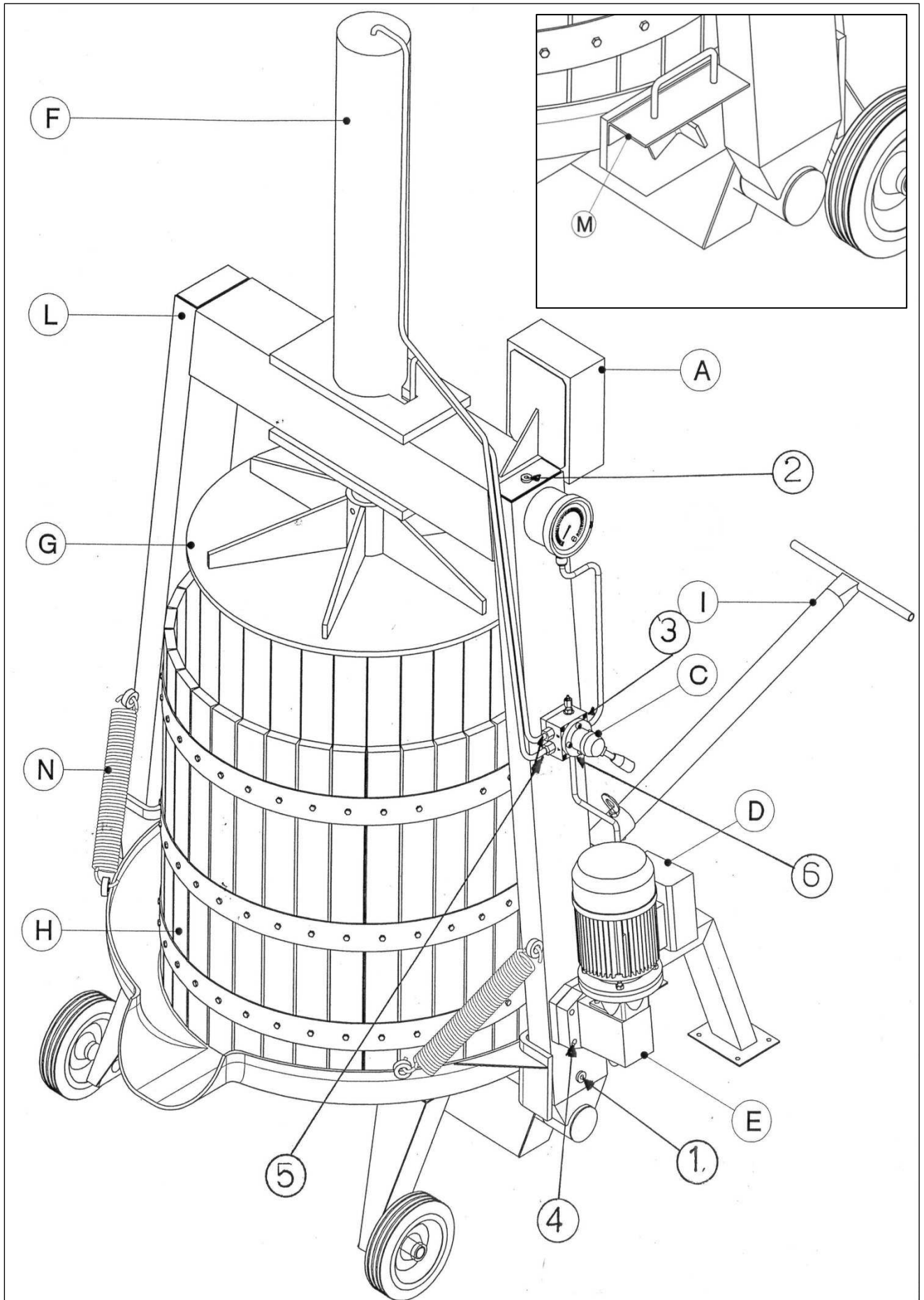
The noise produced by the machine when operating is below 70 decibels.

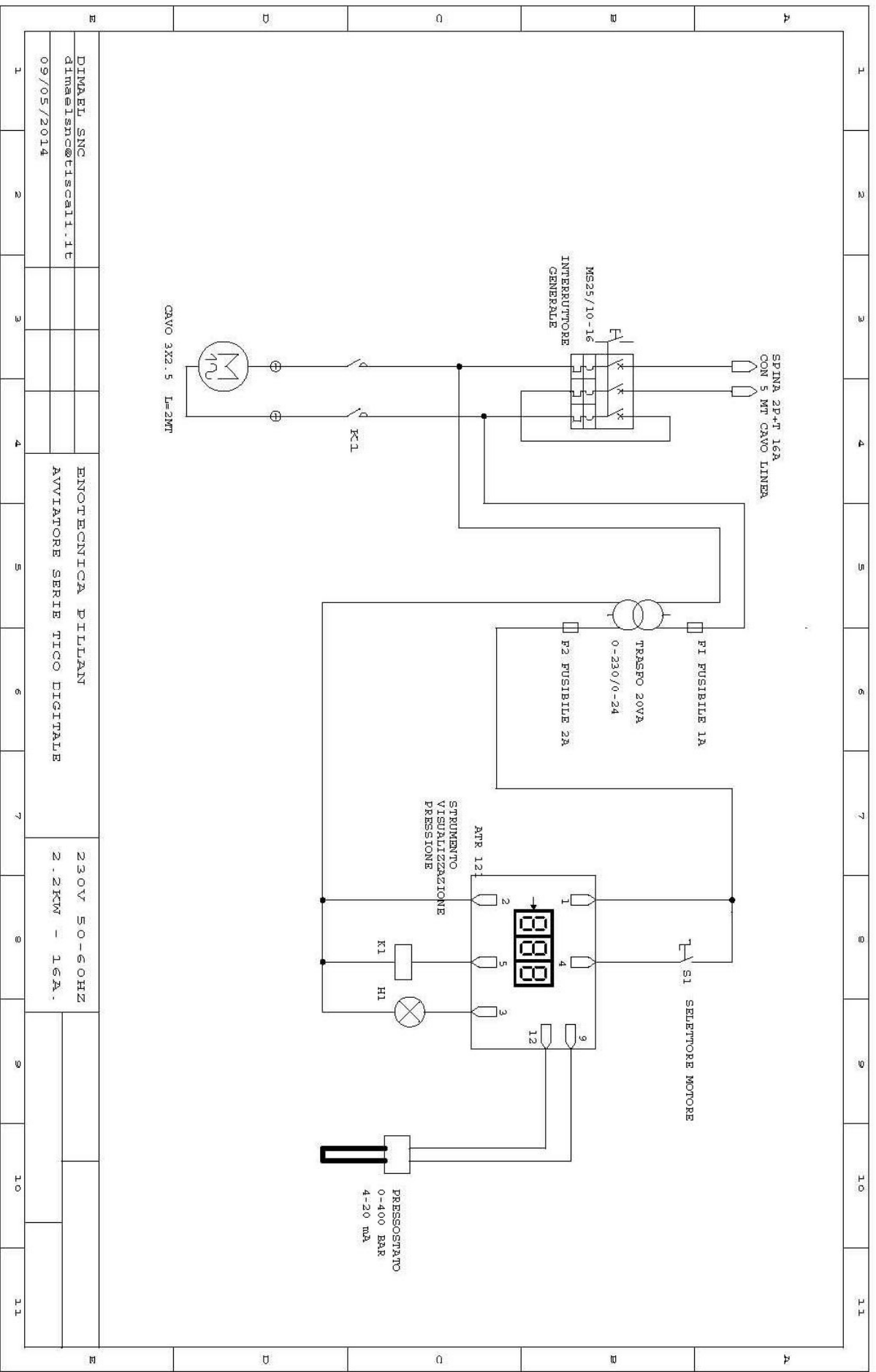
If you have any complaints please contact your supplier or the manufacturer.

TROUBLESHOOTING:

If after following all the instructions the motor is running but the pump will not pump oil, slight pressure must be produced inside the oil tank by blowing air through the cap located on top of the tank column (this is the column to which the pump is attached). By continuing for about 10/15 seconds, the pressure in the tank should prime the pump. This problem can occur due to an air bubble forming between the plunger and the suction and delivery valves; by blowing into the tank the oil is forced to start to circulate and the air bubble is eliminated.

Fig. 1



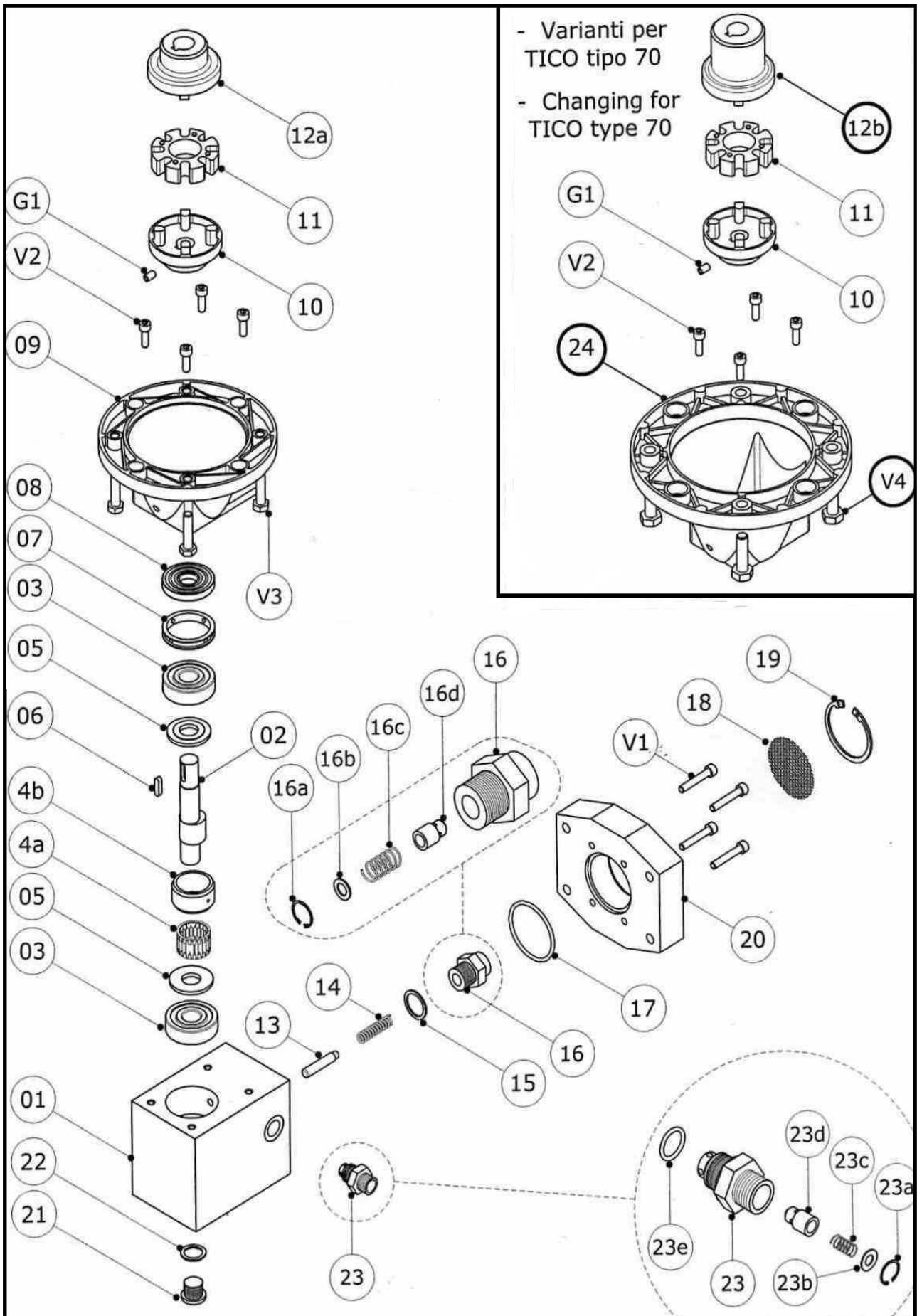


DIMABU SNG
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 09/05/2014

ENOTECNICA PILLIAN
 AVVIATORE SERIE TICO DIGITALE

230V 50-60HZ
 2.2KW - 16A.

1 2 3 4 5 6 7 8 9 10 11



SCALA
 1:4

ESPLOSO POMPA
 TICO

LIST OF ELETRIC PUMP COMPONENTS FROM 2004

| Pos. | Description | Q.ty |
|-------------------------------|--|-------------|
| 1 | Pump body | 1 |
| 2a | Shaft with out of centre 5,5 | 1 |
| 2b | Shaft with out of centre 6 ,5 | 1 |
| 3 | Ball bearing 47X14X17 | 2 |
| 4 | Complete roller bearing 382025 | 1 |
| 4a | K 25-30-20 | 1 |
| 4b | IR 30-38-20 | 1 |
| 5 | Washer Ø 39x Ø 17 | 2 |
| 6 | Key 5X5X18 | 1 |
| 7 | Perforated spacer | 1 |
| 8 | Grommet 47x17x7 | 1 |
| 9 | Lantern LS 161 | 1 |
| 10 | Half-joint ND65Q (25X16X5) | 1 |
| 11 | Elastic insert R62 | 1 |
| 12a | Half-joint ND65A (25X19X6) | 1 |
| 13 | Plunger | 1 |
| 14 | Spring Ø ext. 9,5 x 40 | 1 |
| 15 | Washer 1/2 " gas | 1 |
| 16 | Suction valve 1/2" gas | 1 |
| 16A | Seeger Ring for hole 11 | 1 |
| 16B | Plain washer Ø 5 | 1 |
| 16C | Spring Ø ext. 7,4 X 17 | 1 |
| 16D | Fruit Ø 11 | 1 |
| 17 | OR 57X3x43 | 1 |
| 18 | Link 2,5X1 | 1 |
| 19 | Seeger Ring for hole 56 | 1 |
| 20 | Base for pump body | 1 |
| 21 | Cap 3/8" | 1 |
| 22 | Washer 3/8" | 1 |
| 23 | Delivery valve 3/8" X M16X1,5 | 1 |
| 23a | Seeger Ring for hole 10 | 1 |
| 23b | Plain washer Ø 5 | 1 |
| 23c | Spring Ø ext 6X12 | 1 |
| 23d | Fruit Ø 9 | 1 |
| 23e | OR 15,6X1,78 | 1 |
| V1 | Hexagon socket head cp screw M6X35 partially thread | 4 |
| V2 | Hexagon socket head cp screw M6X16 | 4 |
| V3 | Screw TE M8X35 | 4 |
| G1 | Grain M6X10 | 1 |
| FOR MEC90 AND 110V 60Z | | |
| 2c | Shaft with out of centre 7,8 | 1 |
| 12b | Half-joint ND65B (45X24X8) | 1 |
| 24 | Lantern LS201 | 1 |
| V4 | Screw TE M10X35 | 4 |

GENERAL CONDITIONS OF SALE

TRANSPORT: borne by the purchaser

CLAIMS: claims are only accepted within eight days of receipt of the goods and no returns are accepted unless authorized by us and carriage free. Goods travel at the risk and peril of the customer.

RESERVATIONS: we are not responsible for breakages or damages deriving from uses differing to those for which the goods are intended, or for use that does not comply with the capacity and flow rate of the goods.

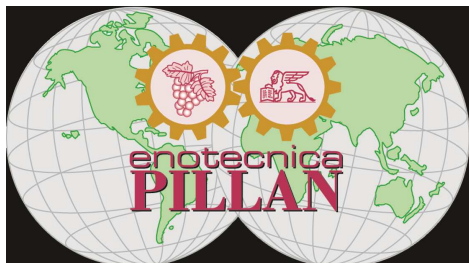
Flaws and defects caused by wear of parts naturally subject to wear, or returned parts that have been dismantled, tampered with or repaired outside our headquarters are not covered by warranty.

WARRANTY: our products have been carefully tested and inspected and are guaranteed for 12 months from delivery.

Our responsibility is limited to the replacement of any parts found to be defective after careful examination to be carried out at our headquarters or at the customer's premises charging for transport and labour costs.

DISPUTES: the court with jurisdiction is the Court of Vicenza.

TECHNICAL DATA: the technical data in this booklet are informative and not binding. The manufacturer reserves the right to make modifications to products without prior notice.



Redatta dalla / Issued by / Ausgestellt durch **ENOTECNICA PILLAN srl**
Via Chiesa 12 Loc. Rampazzo – 36043 Camisano Vicentino (VI) – Italy – Tel. 0444.719004

**DICHIARIAMO SOTTO LA NOSTRA RESPONSABILITÀ CHE IL PRODOTTO :
WE DECLARE UNDER OUR RESPONSIBILITY THAT THE PRODUCT:
WIR ERKLÄREN UNSERE VERANTWORTUNG, DASS DIE MASCHINE:**

Macchina/Machine/Maschine: **PRESSA / PRESS / PRESSE**
Modelli/Models/Modelle: **TICO 40 / TICO 50 / TICO 60 / TICO 70**
Matricola/Serial number/Serienumber: _____
Anno di costruzione/Year of manufacture/Baujahr: _____

**È CONFORME ALLE SEGUENTI DISPOSIZIONI
IS IN RESPECT TO
STEHT IM EINKLANG MIT**

DIRETTIVA MACCHINE 2006/42/CE – MACHINERY DIRECTIVE 2006/42/CE –
MASCHINEN-RICHTLINIE 2006/42/CE

DIRETTIVA COMPATIBILITÀ ELETTROMAGNETICA 2004/108/CE E SUCC. EMENDAMENTI
ELECTROMAGNETIC DIRECTIVE 2004/108/CE AND SUBSEQUENT AMENDMENT
ELEKTROMAGNETISCHE VERTRÄGLICHKEIT RICHTLINIE 2004/108/CE UND SPÄTERE ÄNDERUNGEN

REGOLAMENTO CE n° 1935/2004 MATERIALI ED OGGETTI DESTINATI A VENIRE A CONTATTO CON I
REGULATION EC NO. 1935/2004 PRODOTTI ALIMENTARI
ORDNUNG CE N. 1935/2004 MATERIALS AND OBJECTS IN CONTACT WITH FOOD PRODUCTS
MATERIAL UND ARTIKEL IM KONTAKT MIT LEBENSMITTELN

REGOLAMENTO CE N° 2023/2006 BUONE PRATICHE DI FABBRICAZIONE DEGLI OGGETTI DESTINATI
REGULATION EC NO. 2023/2006 A VENIRE A CONTATTO CON I PRODOTTI ALIMENTARI
ORDNUNG CE N. 2023/2006 GOOD PRACTICES OF MANUFACTURING OBJECTS INTENDED FOR
CONTACT WITH FOOD PRODUCTS
GUTE HERSTELLUNGSPRAXIS FÜR DIE WAREN IM KONTAKT MIT
LEBENSMITTEL

Amministratore Legale Enotecnica Pillan
Legal Administrator Enotecnica Pillan
Rechtliche Administrator

Ivo Pillan

Data/Date/Datum

Il responsabile del Fascicolo Tecnico
Responsible for the Technical Dossier
Verantwortlich für die technischen Beschreibungen

Firma/Signature/Unterschrift

