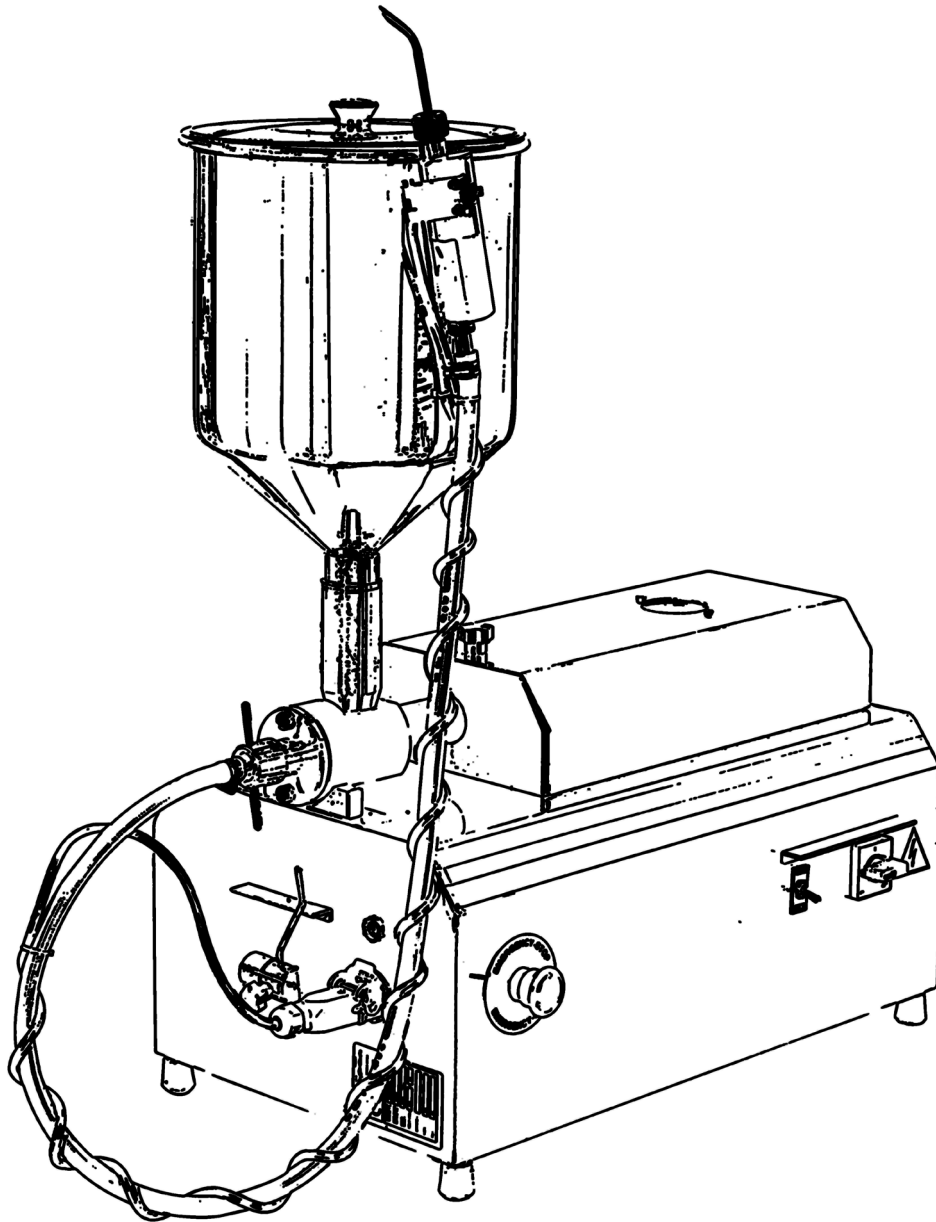


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user and maintenance **manual**



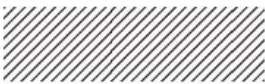

CE

Dosing machine

MDE - MDSE



Data

	
	Made in Italy
MODELLO MODEL	<input type="text"/>
N° DI SERIE SERIAL No	<input type="text"/>
ANNO YEAR	<input type="text"/>
VOLT - Hz	<input type="text"/> <input type="text"/>
AMPERE	<input type="text"/>
KW	<input type="text"/>
Kg	<input type="text"/>

EC Security destination

The EC Security destination guarantees to the user the highest protection, against accidents as EC requirement 89/392.

Buying an EC marked machina, the user has the advantage of the greatest security, one set of detailed information for the correct use and the advantage for asking and having spare parts earlier.

This machine is built in conformity with the ECC requirement 89/392 dated 14/06/89 and its following modifications.

2004/108 – 2006/95 – 1935/2004. – national specified regulations).

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- *** Optional**

Security general information

- 24 Volt operating controls.

The cover (14) uipped with security system with a micro-swicth, which locks the machine controls suit to requisites 1.4.1 e 1,4,2,2.

The length of the neckband (1) where the hopper (56) is fixed is 120 mm to avoid an unintentional introduction of fingers.

The security bottom (37), red on yellow base,must be pusched in case of emergency or for an unexpected breakdown

To start the dosing machine again, turn the buttom (37) in direction as indicated by the arrow situated above it

Protection (50,61) of injection needle (51,60,62).

Foer a good use of anything electrical instruments some important rules must be observed as follows:

- Don't touch the machine with wet hands or feet.
- Don't use the machine without shoes.
- Don't use extension in damp room (in case of use pay attention).
- Don't pull the electrical cable or the instruments to remove the plug from the tap.
- Don't leave the machine outdoors;keep the machine out of the reach of children or of inexpert people it without supervision

General description of machine

The stainless steel syringe-dosing machine is built to inject cream or jams into the croissants, cream puffs, krapfen and everything it is needed

IMPORTANT: For a good operating of the machine be sure that the used product isn't containing pieces of fruits, that the cream isn't too dense and don't use whipped cream but only fluid product (as abovementioned)

Operated with the machine only for its proper use.
Any other use of the machine is not correct and dangerous. The builder will be not considered responsible for eventual damages caused by incorrect use.

Technical data

Dimension

Height: mm 680
Breadth: mm 260
Depth: mm 500
Weight: Kg 37

Capacity Hooper:

Liter 15

Minute production:

57 dose/min.

Hour production:

pieces: 3420 single needle

Pieces: 6.840 double needle

Dosing:

Gr. 5/40 single needle

Gr. 2,5/20 double needle

Parts in contact with product:

AISI 304

Piston:

certified food POM

Operating controls:

**24 V (starting and emergency button, pilot light,
alternating/continuos control and pedal control)**

Voltage: **Threephase**

Motor: **KW**

Frequency: **50 Hz** **60 Hz**

nominal currency:

2,1 Amp.

Unpacking

At delivery of machine verify that the packing is intact and then open it starting from the top side.

Taking of the machine, pay attention to avoid knocks, which can

IMPORTANT: Don't lift up the machine taking it by the electrical cable or by the front button (43)

To remove the machine from the packing, lift it up hanging it up from the front side and from the back side under the coachwork.

Dopo aver estratto la macchina, assicurarsi dell'integrità della macchina. After that, be sure that the machine is undamaged and check if it is complete with all accessories. If it is not complete call immediately the seller.

ATTENTION: Don't leave any parts of packing (plastic shoppers, nails, etc.) at hand of children, but put them away into proper containers to be destroyed as for law in force.

Installation

Put the machine over an operating plan or over a stable carriage out of warmth source over than 40°.

Before inserting the plug, be sure that the voltage corresponds to the data indicated at page of instruction and maintenance manual.

To verify the correct way of rotation operate as follow:

- Turn the general switch (26) in position 1 and the white light (46) turns on.
- Turn the commutator (28) on alternating position.
- Push the front lever (43) or pedal control (59) and looking through the little window (13), check that the rotary direction of the cam (15) corresponds to that one of the arrow.

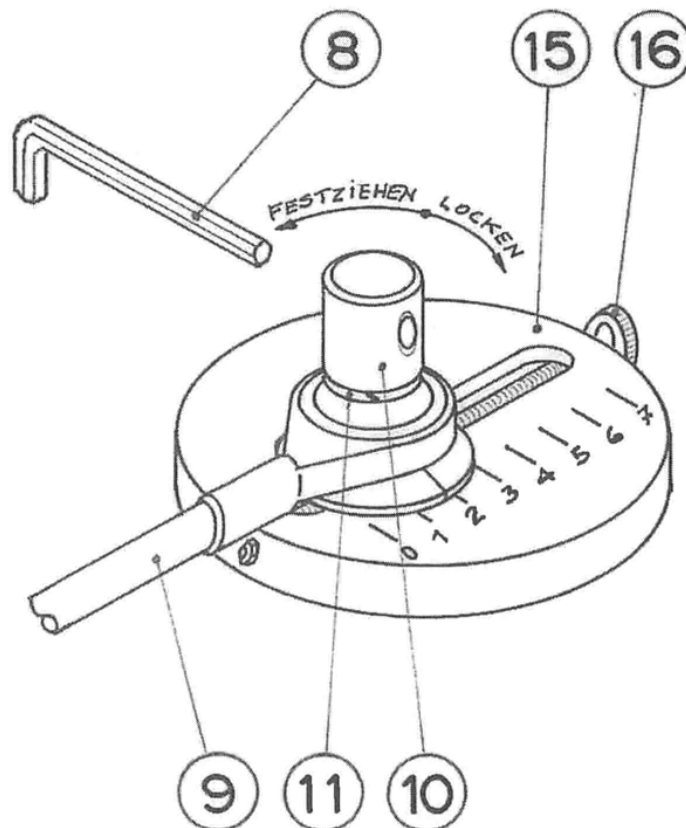
On the contrary, it is necessary to convert the plug wires (57) as for ECC requirements.

Use of the machine

1-Dosing regulation:

Lift up the covert (14) introducing the key (8) into the proper insert (5) loosen the fixing pivot (10) counter-clockwise and operate on the lever (16) to regulate the needed dosing.

After putting it in position, fix them all again in the opposite way and start working.



Working

Be sure the cover (14) is well closed.

ALTERNATING CYCLE:

Turn the commutator (28) on alternating position and push the front lever (43) or pedal control (59).

The machine will give you one only dosing; to have another one repeat this operation again.

CONTINUO CYCLE:

Turn the commutator (28) on continuous position and push the front lever (43) or the pedal control (59) .

The machine will work continuously; to stop it press the front lever or the pedal control again.

Take off the protection (50,61) from the injecting needle (51,60,62).

Insert the pieces to be filled one by one if you use the single needle or two by two if you use the double needle and then start working in alternating or continuous cycle.

When the machine stops working , cover the needle with protections.

IMPORTANT:

For changing cycle from alternating to continuous the machine must stop.

Faults and rectification

Fault	Cause	Remedy
The machine doesn't start, even if the pilot-light (46) turns on	The cover (14) is not well closed. The emergency button is pushed	Close it immediately Turn the button as indicated by the arrow
The machine works in continuous cycle even if the alternating mode has been selected	Electronic module black out.	Call immediately the seller.
The dosing doesn't start even if the pedal control (59) or syringe (91) is pressed	The pedal control (59) or syringe (91) isn't in correct contact (71)	Remove the plug and insert it again by pushing it into the tap
The dosing is not correct.	Be sure that the hole where the valve is placed isn't blocked by solid pieces (gasket, pieces of fruit etc..)	Clean and reassemble correctly.
Bad suction.	Lack of head gasket (49) The valve (52) has been assembled not correctly Gasket (4) of piston broken or worn. Gasket (55) is ruined or there isn't	Provide to change them with spare parts.

ATTENTION:

Assembling the piston gasket, follow carefully the instructions as indicated by diagram N° 4 (pag. 20)

An incorrect assembling can cause some troubles during working.

Maintenance

Turn off the general switch (26) and take off the plug (57) from the electrical board.

- Unscrew the clamp (24) and leave the hopper (56)
- Lift up the cover (14) and take off the piston pivot (7) .
- Lift up the cover (14), with the proper key (8) unscrew two front screws (49).
- That makes possible to take off the cover (54) from the head (2).
- Remove the piston (3) from the back side.
- The head (2) is separated from the machine and it can be washed, also in dishwas.
- For the washing of the piston (3) and of the little valve (52) don't use water over 90° and abrasive product or clothes.

To reassemble the machine, make the same operations in the opposite direction.

IMPORTANT: DON'T USE ALCHOL OR OTHER SOLVENTS.

Use of syringe

Application to the dosing machine:

- Unscrew the knurled screw (53).
- Take off the needle (51,60,62)
- Take off the valve (52)
- Screw the knurled screw (83) of the syringe to the head cover (54)
- Insert the plug (71) into the proper tap (44), and close with lever (45).

Now push the button (91) placed on the grip (90) of syringe, so the machine start working

For the working mode alternative or continuos see pag 12 of this manul

Maintenace of syringe

Remove the plug (71) from the tap (44).

- Unscrew the knurled screw (83)
- Unscrew the knurled screw (87) push the injection pipe (88) as indicated by the arrow (see diagram tav. 6 pag.....
- Separating the grip (90) from the electrical part of injection pipe (88).
- Unscrew the knurled screw (95) remove the needle (96), the spring (93) and valve (92).

So it's possible to easy clean all pieces of syringe removed.

For the washing of the valve (92) don't use warm water over than 90° and abravive detergents or clothes

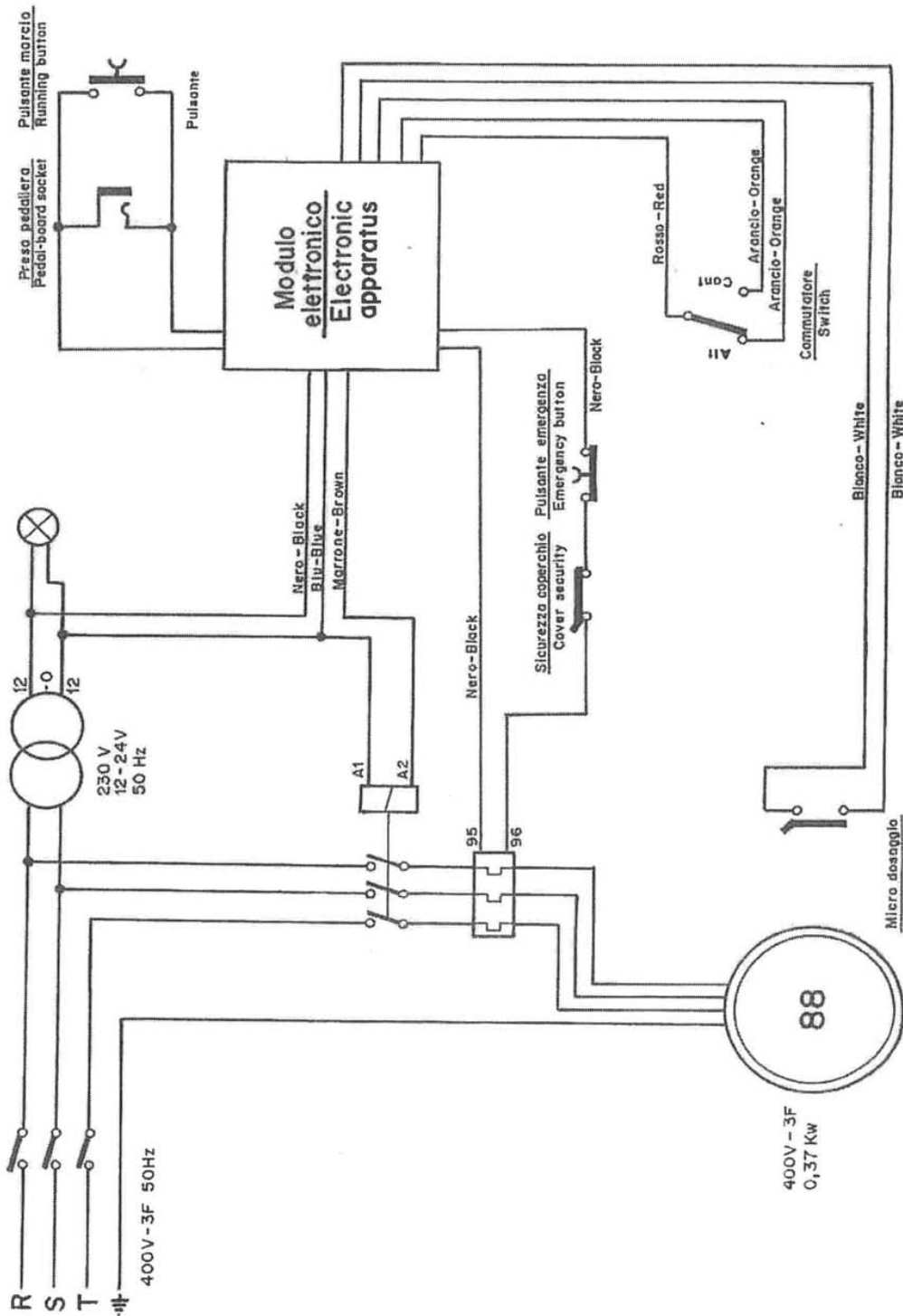
During the assembly phase, remember to insert the valve (92) and the spring (93) in their proper place.

IMPORTANTE:

Don't wash the syringe grip absolutely.

Don't use alchol or any kind of solvents.

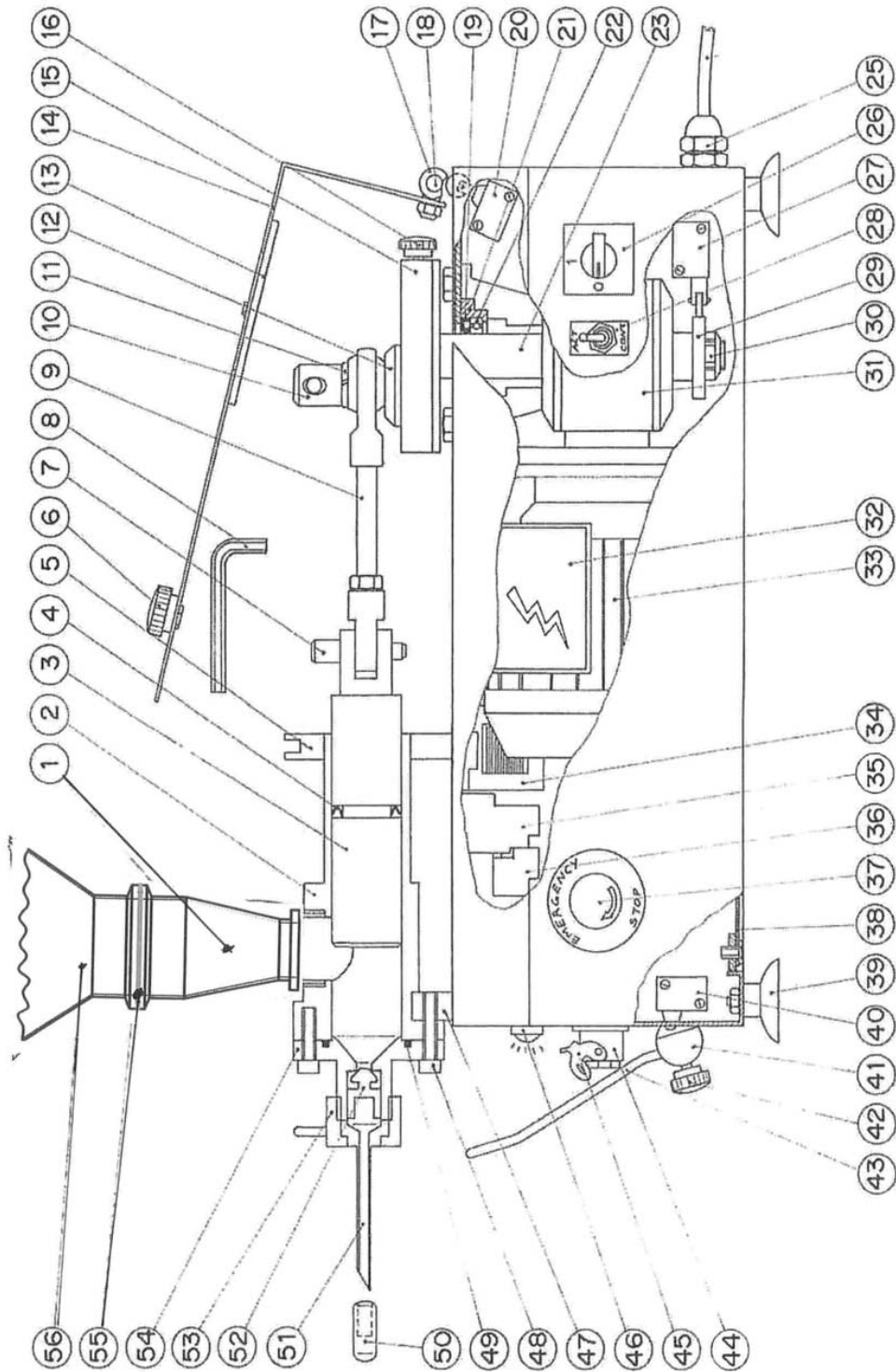
Functional electric diagram



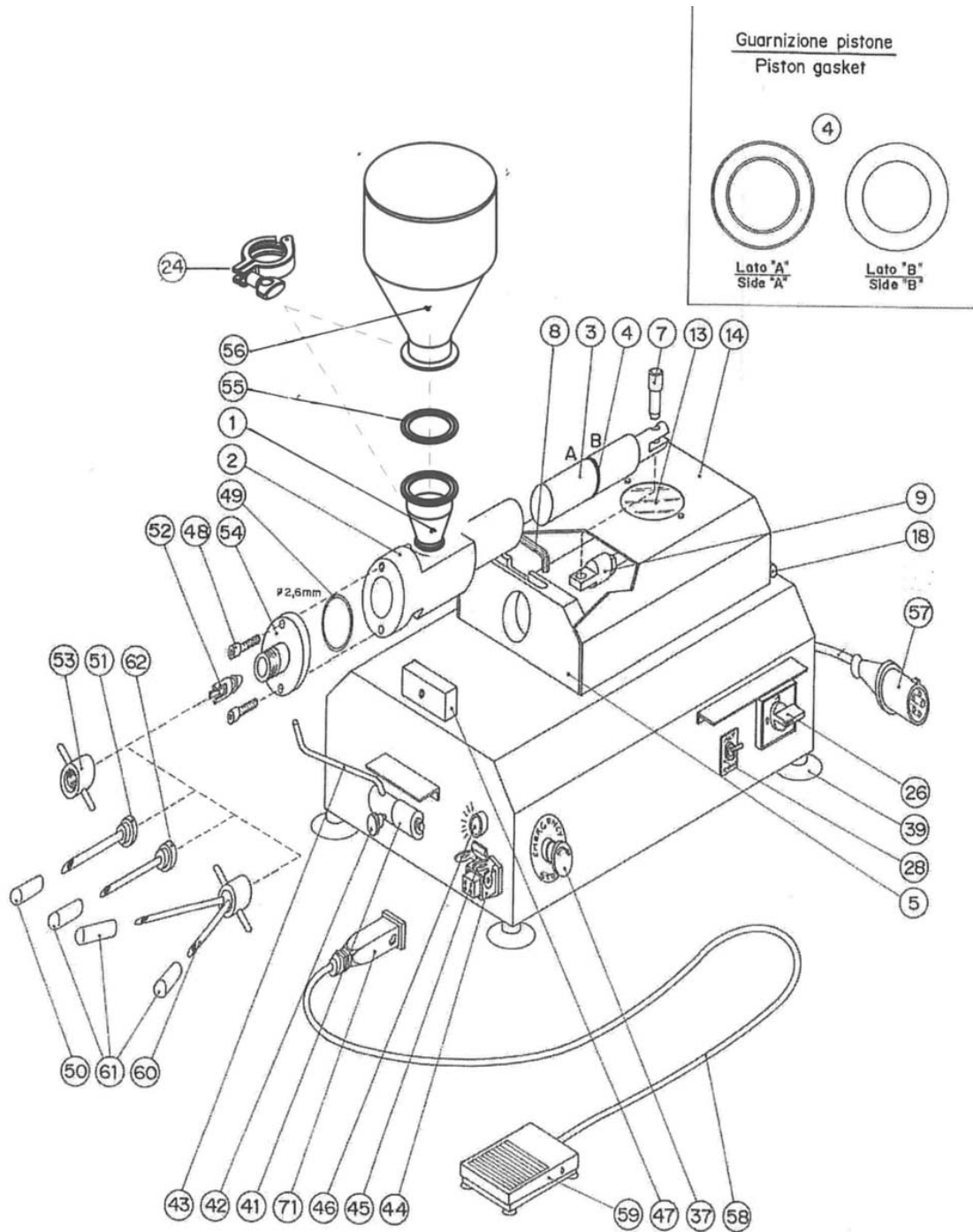
Reference numbers for spare parts of machine

- | | |
|---------------------------|----------------------------|
| 1-Collar | 36-Motor protection relay |
| 2-Head/dosing cylinder | 37-Emergency button |
| 3-Piston | 38-Closing bottom panel |
| 4-Gasket PK 35 | 39-Foot |
| 5-Front insert | 40-Operating dosing switch |
| 6-Cover button | 41-Activation block |
| 7-Connecting rod | 42-Front lever handle |
| 8-Key | 43-Front lever |
| 9-Articulated joint | 44-Pedal plug/syringe |
| 10-Fixing pivot | 45-Pedal/syringe tap |
| 11-Elastic washer | 46-Pilot-light |
| 12-Dosing index | 47-Fixing head block |
| 13-Window | 48-Frontal screws |
| 14-Cover | 49-Head gasket OR-Ring |
| 15-Cam | 50-Protectin needle Ø 8 mm |
| 16-Regular lever | 51-Single needle |
| 17-Hinge | 52-Little Valve |
| 18-Nut hinge | 53-Screw |
| 19-Seal | 54-Cover head |
| 20-Safety micro-switch | 55-Gasket clamp 2 ½ |
| 21-Bearing support | 56-Hopper |
| 22-Bearing | 57-Plug CEE |
| 23-Reducer axis | 58-Cable pedal |
| 24-Clamp 2 ½ | 59-Pedal |
| 25-Cable presser | 60-Double needle Ø 6 mm |
| 26-General switch | 61-Protecton needle Ø 6 mm |
| 27-Dosing micro-switch | 62-Single needle Ø 6 mm |
| 28-Commutator | |
| 29-Dosing cam | |
| 30-Self-locking ring nut | |
| 31-Reducer | |
| 32-Electrical module | |
| 33-Motor | |
| 34-Electrical transformer | |
| 35-Remote control switch | |

Functional Diagram of the Machine



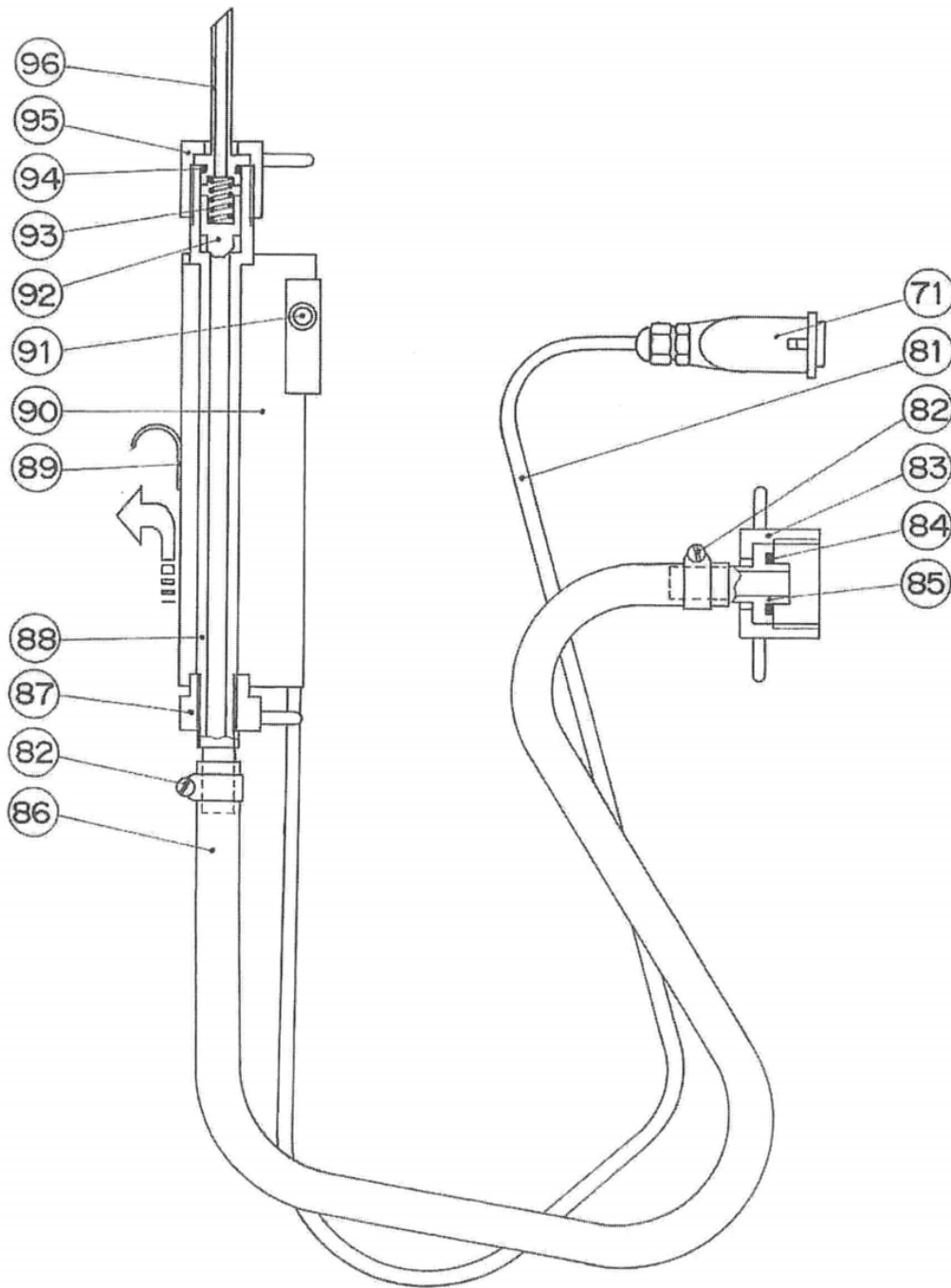
Exploded View of the Machine



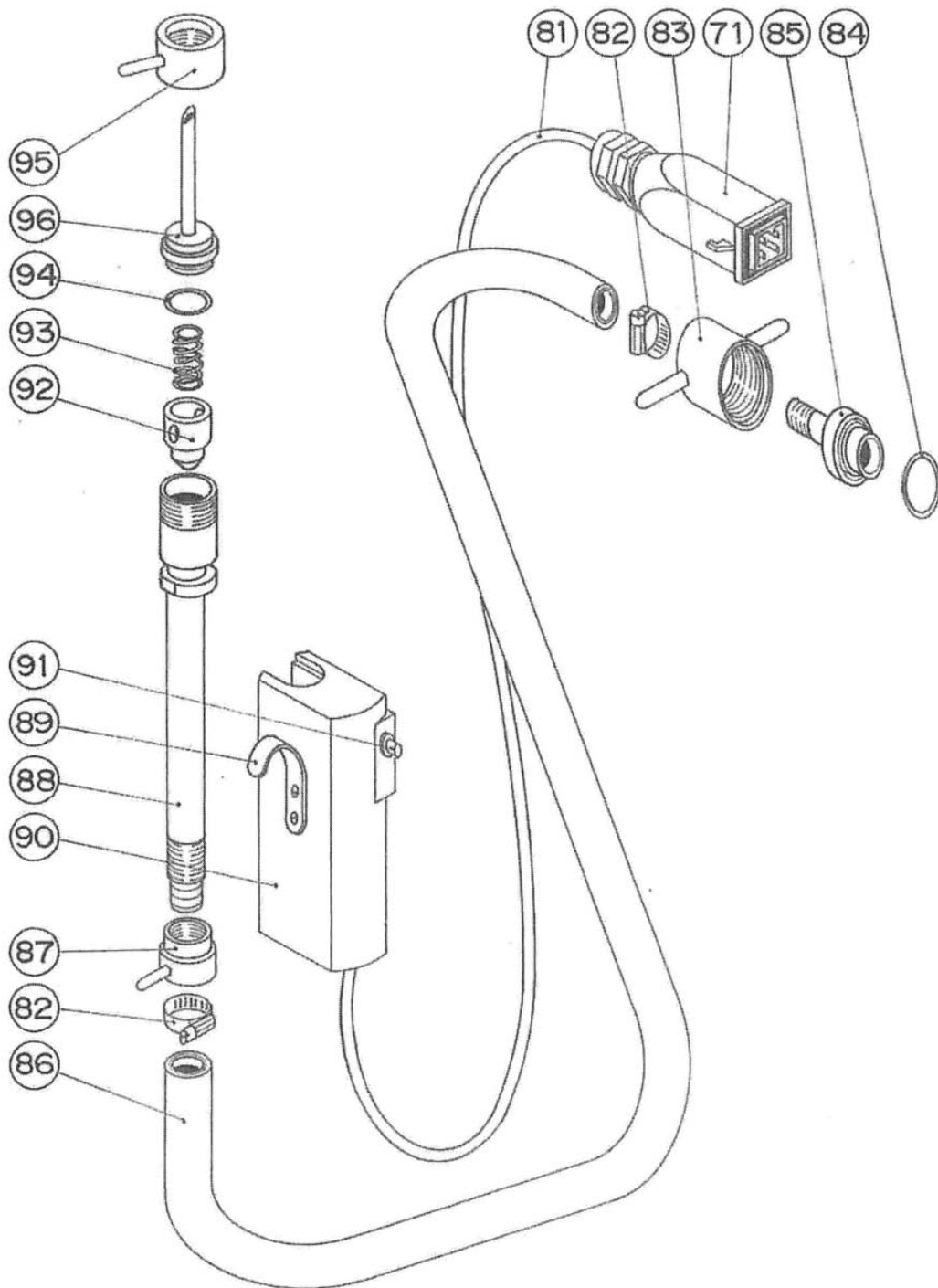
Reference numbers for spare parts syringe

- 71- Plug
- 81- Electrical cable
- 82- Stainless steel band
- 83- Knurled screw
- 84- Gasket o-ring
- 85- Connection
- 86- Pipe
- 87- Knurled screw
- 88- Injection pipe
- 89- Hook
- 90- Grip
- 91- Switch button
- 92- Valve
- 93- Spring
- 70- Needle

Functional diagram of the Syringe



Exploded View of the Syringe



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