



CM300SA

Semi Auto Built-In Coffee Machine
(with tank)



INSTRUCTION MANUAL

Congratulations ,

upon the wise choice you have made by purchasing the **S-CM3** "*Romantica*" model.

Please read the information in this manual carefully before you operate the coffee machine.

Here you will find important indications regarding your safety and the care and maintenance of the appliance that will allow you satisfactory use over a long term. Should any breakdown occur, first see the section entitled "Troubleshooting". Often it is possible to repair small failures independently, thereby avoiding the costs of repairs.

This machine has been built in conformity with the directives EEC 89/392, EEC 89/336, EEC 73/23, EEC 89/109 and subsequent amendments.

The quality and reliability of this product are guaranteed by the fact that it has been built according to the UNI EN ISO 9001: 2000 COMPANY QUALITY SYSTEM.

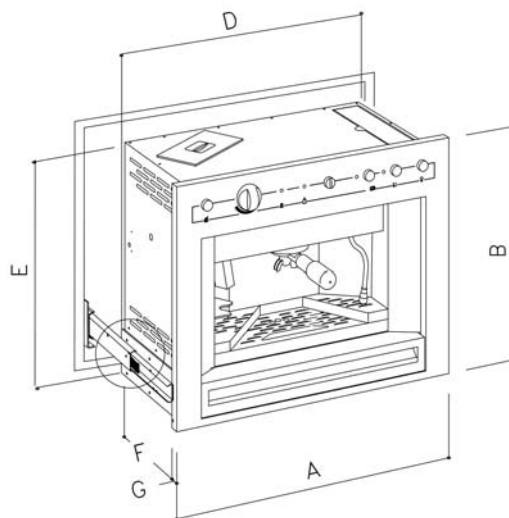
With best wishes.

Sirius



TECHNICAL CHARACTERISTICS

NET WEIGHT	52 Kg	114 Lb
GROS WEIGHT	63 Kg	139 Lb
POWER	1400 W	1400 W
DIMENSIONS	A 596 mm	A 23.47 in
	B 462 mm	B 18.19 in
	C 442 mm	C 17.4 in
	D 562 mm	D 22.13 in
	E 445 mm	E 17.52 in
	F 546,5 mm	F 21.52 in
	G 20 mm	G 0.08 in



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1. DESCRIPTION

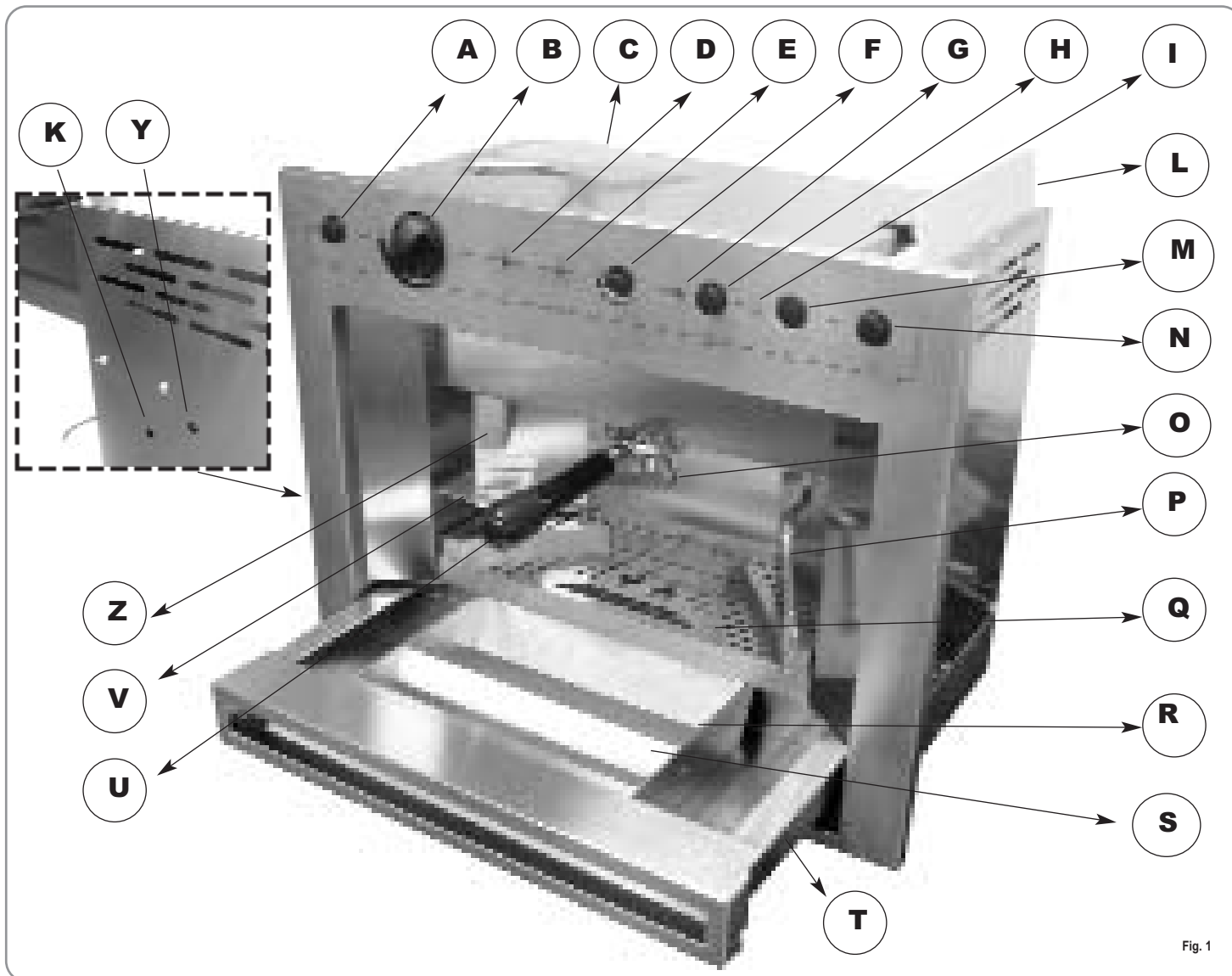


Fig. 1

KEY

A Coffee grinding button
B Steam regulation dial
C Coffee bean container
D Heating elements on indicator light
E Indicator light for lack of water in the tray

F Dial to regulate amount of coffee
G Coffee dispensing indicator light
H Coffee dispensing button
I Machine on indicator light
L Tank container
M Main ON/OFF switch

N Lights ON/OFF switch
O Dispensing unit
P Steam nozzle
Q Drip tray
R Coffee grounds tray
S Grounds beater

T Accessories drawer
U Filter holder
V Coffee grinding support
Z Ground coffee dispenser
Y Coffee fineness regulator
K Grinding time regulator

1.1 GENERAL NOTES ABOUT DELIVERY

The machine and its parts are delivered in special packing. Nevertheless, when you receive it, make sure that:

- The packing is undamaged and that there are no defects to the machine exterior.
- The packing contains:
 - a) Coffee machine
 - b) Box of accessories:
 - 1 Dispensing nozzle
 - 2 Filter holder
 - 3 Filter spring
 - 4 Double filter
 - 5 Single filter
 - 6 Coffee presser
 - 7 Doser
 - 8 Support guides assembly
 - 9 Guide shims
 - 10 Fireproof protections
 - 11 Allen wrench
 - 12 Machine hook-on support
 - 13 Brush
 - 14 Filter removal tool
 - 15 1 coffe dispensing nozzle

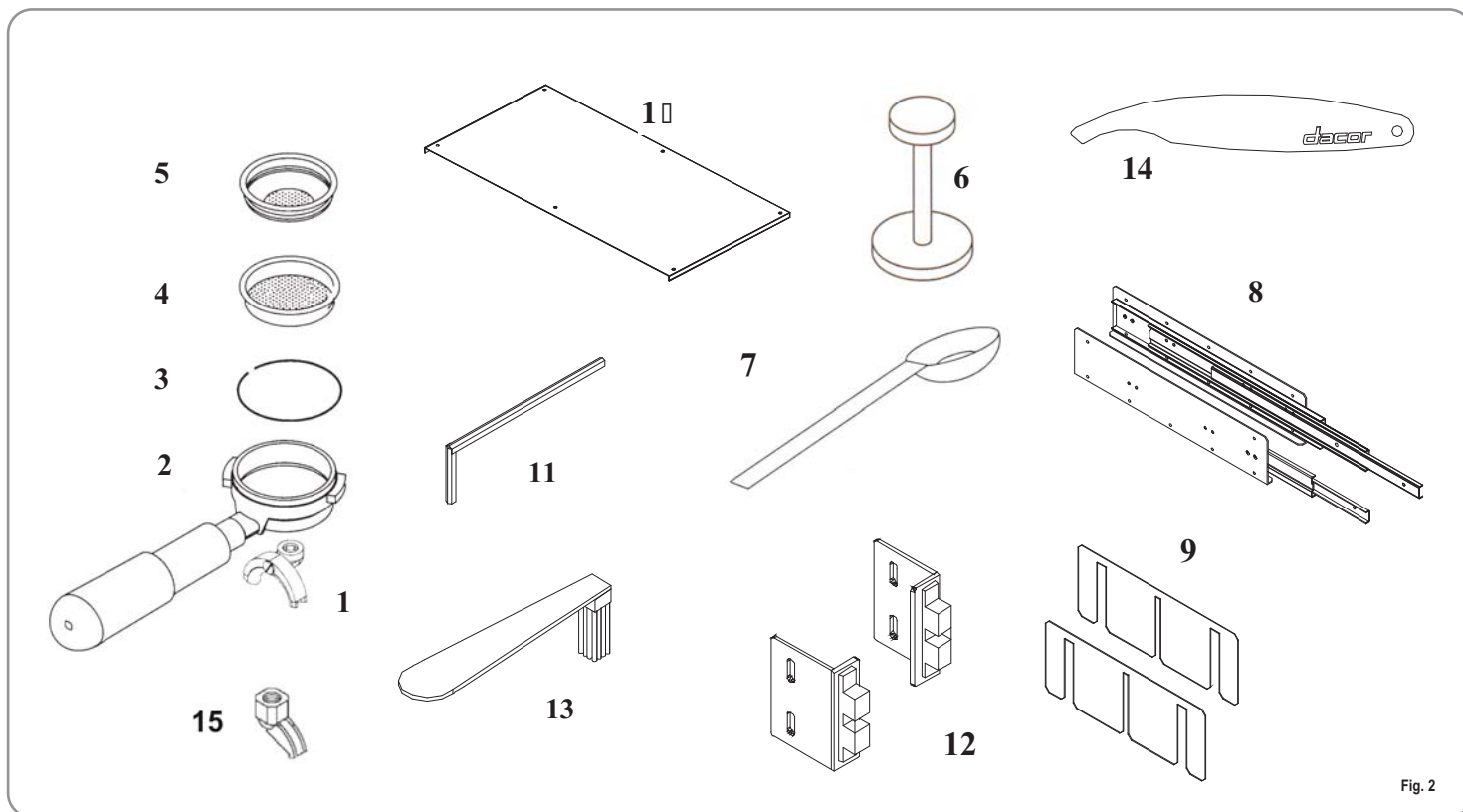


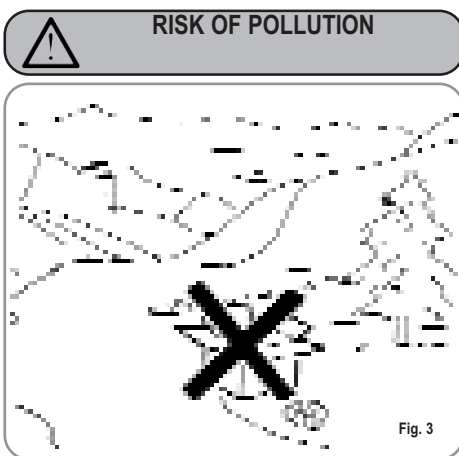



Fig. 2

2. SAFETY INSTRUCTIONS

 Parts of the packaging can be harmful to children. Danger of suffocation! Keep packaging out of the reach of children.

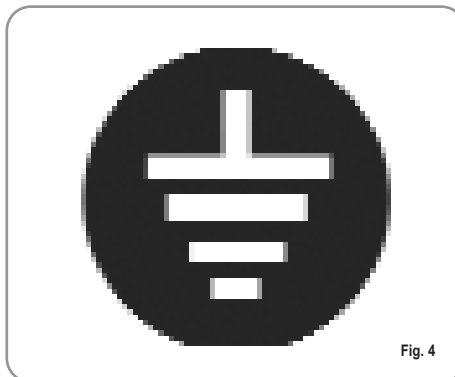
 After unpacking, make sure the appliance is complete. In case of doubts, do not use the appliance, but consult a qualified technician.





 Before connecting the appliance make sure the rating plate data correspond with the mains. This plate is on the front panel at the top right hand side of the appliance. The appliance must be installed by qualified technicians in accordance with current standards and manufacturer's instructions.


The manufacturer is not liable for any damage caused due to failure to ground the system. For the electrical safety of the appliance, it is necessary to equip the system with the proper grounding. This must be carried out

by a qualified electrician who must ensure that the electric power of the system is sufficient to absorb the maximum power input stated on the plate.



 In particular you must ensure that the size of the wiring cables is sufficient to absorb power input. The use of adapters, multiple sockets or extensions is strictly forbidden. If they prove necessary, call a fully qualified electrician.

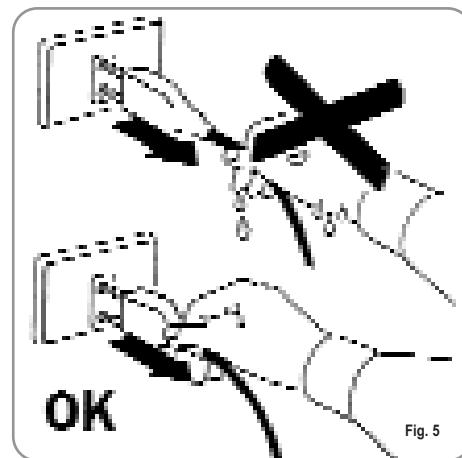
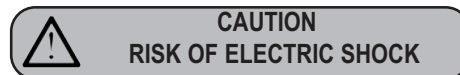
 The machine must be installed according to the local standards in force with regard to plumbing systems. For this reason, the plumbing connections must be carried out by a qualified technician.

 This appliance must only be used as described in this handbook. The manufacturer shall not be liable for any damage caused due to improper, incorrect and unreasonable use.

 Basic rules must be observed when using any electric appliance.

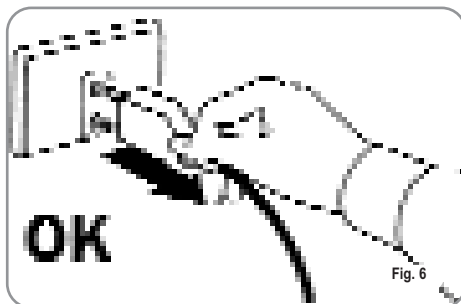
In particular:

- do not touch the appliance when hands or feet are wet;



- do not use the appliance when barefoot;
- do not use extensions in bath or shower rooms;
- do not pull the supply cord out of the socket to disconnect it from the mains;
- do not leave the appliance exposed to atmospheric agents (rain, sun, etc.);
- do not let the appliance be used by children, unauthorised staff or staff who have not read and fully understood the contents of this handbook.

- Before servicing the appliance, the authorised technician must first switch off the appliance and remove the plug.



- To clean the appliance, set the machine to the "0" energy level, that is, "WITH THE MACHINE SWITCHED OFF AND THE PLUG REMOVED FROM THE MAINS" and follow the instructions in this handbook.

- If the appliance breaks down or fails to work properly, switch it off. Any intervention is strictly forbidden. Contact qualified experts only. Repairs should only be made by the manufacturer or authorized service centres. Only original spare parts must be used. Failure to observe the above, could make the appliance unsafe.

- For installation, the qualified electrician must fit an omnipolar switch in accordance with the safety regulations in force and with 3 (0,12) or more mm (in) between contacts.

- To avoid dangerous overheating, make sure the supply cord is fully uncoiled.

- Do not obstruct the suction and/or dissipation grilles.

- The user must not replace the appliance supply cord. If the cord is damaged, switch off the appliance and have a qualified technician change the cord.

- If no longer using the appliance, we recommend making it inoperative; after removing the plug from the mains electricity, cut the power supply cable.

CAUTION
RISK OF POLLUTION

- Do not dispose of the machine in the environment: to dispose of the machine, use an authorised centre, or contact the manufacturer for relative information.



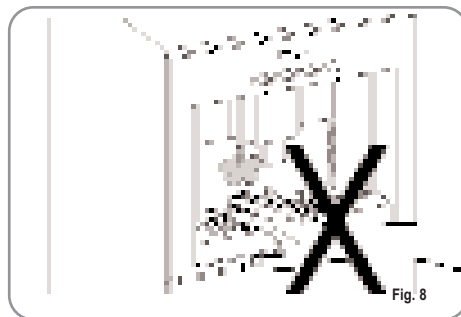
- To increase ventilation to the machine, make an opening of at least 300 mm x 100 mm (11.82 in x 3.94 in) in the back of the housing.

CAUTION
RISK OF INTOXICATION

- Once a machine wash cycle has been started, do not interrupt it, as detergent residues may then be left inside the delivery group.

CAUTION
RISK OF BURNS OR SCALDING

- Use the steam nozzle with care and never place hands below the jet of steam. Do not touch the nozzle immediately after use.



CAUTION
RISK OF CUTTING

- When adding coffee beans, the machine operator must not place his/her hands inside the container.

3. TRANSPORT AND HANDLING

3.1 MACHINE IDENTIFICATION

Always quote the machine serial number in all communications to the manufacturer, **Sirius**.

3.2 TRANSPORT

The machine is transported on a pallet, inside boxes which are secured to the pallet with ribs. Prior to carrying out any transport or handling operation, the operator must:

- put on work gloves and protective footwear, as well as a set of overalls which must be elasticated at the wrists and ankles.

The pallet must be transported using a suitable means for lifting (e.g., forklift).

3.3 HANDLING



CAUTION
RISK OF IMPACT
OR CRASHING

During all handling operations, the operator must ensure that there are no persons, objects or property in the handling area.

The pallet must be slowly raised to a height of 30 cm (11.82 in) and moved to the loading area. After first ensuring that there are no persons, objects or property, loading operations can be carried out.

Upon arrival at the destination and after ensuring that there are no persons, objects or property in the unloading area, the proper lifting equipment (e.g. forklift) should be used to lower the pallet to the ground and then to move it (at approx. 30 cm (11.82 in) from ground level), to the storage area.



CAUTION
RISK OF IMPACT
OR CRASHING

Before carrying out the following operation, the load must be checked to ensure that it is in the correct position and that, when the supports are cut, it will not fall.

The operator, who must first put on work gloves and protective footwear, will proceed to cut the supports and to storing the product. To carry out this operation, the technical characteristics of the product must be consulted in order to know the weight of the machine and to store it accordingly.



CAUTION
RISK OF POLLUTION

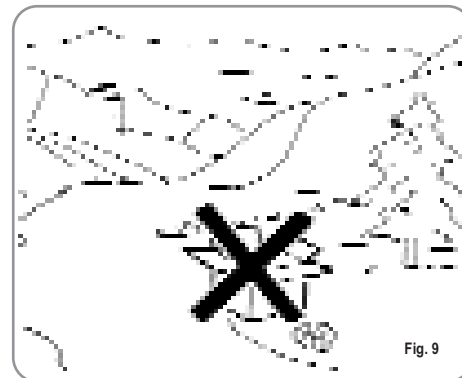


Fig. 9

4. PRELIMINARY OPERATIONS



CAUTION
RISK OF POLLUTION

Do not dispose of packaging in the environment.



Fig. 10

Before carrying out any installation and adjustment operations you must read and fully understand the **SAFETY INSTRUCTIONS** of this handbook.

The company cannot be held responsible for damage to things or injury to persons caused by failure to comply with the safety instructions and installation and maintenance instructions contained in this handbook.



CAUTION
RISK OF SHORT CIRCUITS

Before connecting the machine to the mains power supply, please check that the supply voltage corresponds to the machine voltage.

4.1 FILLING THE APPLIANCE



CAUTION

Switch off the machine before filling or removing the water tank.

- Partially remove the machine from its seating.
- Take the appliance out very slowly and in order to guarantee maximum safety, make sure that no people or things are below it.
- Pull the water tank up and especially the first time, wash it with soapy water; then rinse it carefully, taking care to remove all soap residues.
- Fill the tank with water (this does not apply to the version connected to the water mains)
- In the same way, open the coffee bean container and pour in the coffee without reaching the maximum level; then refit the coffee container lid.



Fig. 11

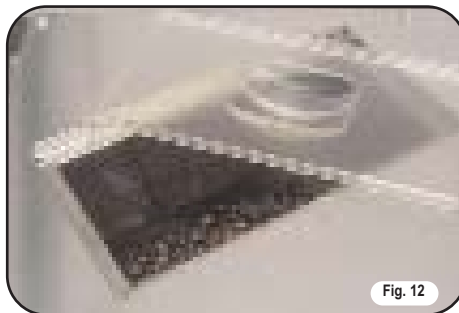


Fig. 12



WARNING

The water hardness must be less than 4° - 6° fr (french degree).

The chlorine contents is max 100 mg per litre (0.00000361 lb/cu in).

Otherwise the conditions of guarantee of the machine will expire.

4.2 MACHINE INSTALLATION VERSION FORDIRECT CONNECTION

- Remove all parts from the box of accessories (Teflon tubes Ø 4 mm (Ø 0.16 in), 1 pressure reducing valve, 3 snap-on connectors, 1 pressure gauge, 1 fastening bracket, 2 threaded connectors and two gaskets). Fit the pressure gauge and 2 connectors to the pressure reducing valve, as illustrated in the drawing here below.

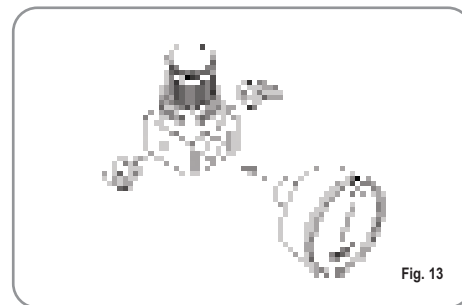


Fig. 13

- Use the relevant bracket to fit the previously assembled pressure reducing valve to the nearest point to the water mains (see drawing below).

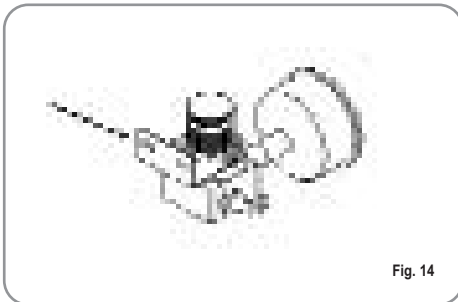


Fig. 14

- Connect one end of the Teflon pipe (diam. 4 mm) to the machine, inserting it firmly into the snap-on connector. To make sure that the connection has been made properly, pull the tube outwards (see drawing).
- Cut the other end of the tube, first making sure that the length is sufficient to connect it to the pressure reducing valve.

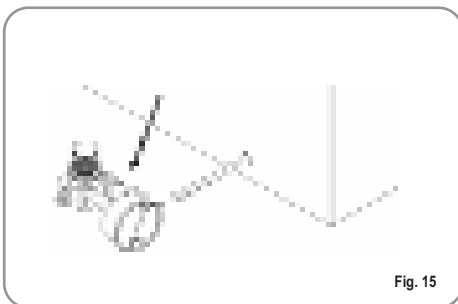


Fig. 15

- After finding the arrows that indicate the direction of the water flow in the pressure reducing valve, connect the tube to the water outlet. Connect the remaining end of the tube to the other connector (water inlet) of the pressure reducing valve. After making sure that you have shut off the stopcock, proceed to install the connectors and the relevant gaskets in the mains system. Connect the free end of the tube to the previously fitted snap-on connector.

NOTE: The maximum outlet pressure from the pressure reducing valve **MUST NOT** exceed 1.5 bars.

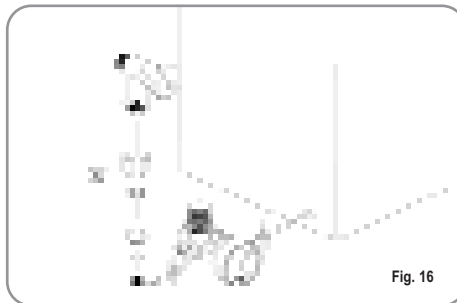


Fig. 16

5. ASSEMBLY INSTRUCTIONS FOR QUALIFIED PERSONS

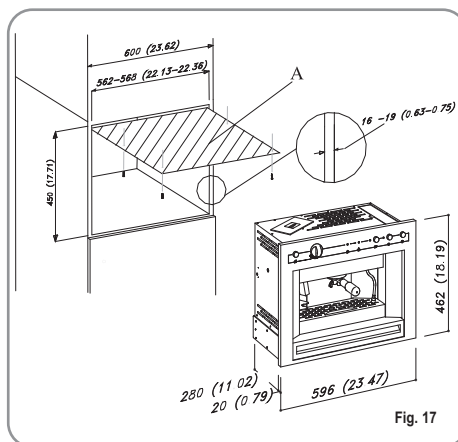
5.1 INSTRUCTIONS FOR BUILT-IN ASSEMBLY

The company supplying this machine cannot be held liable for any damage arising from incorrect installation, insufficient or lack of maintenance, or improper use of the appliance.

- Legal standards and connection instructions from the local electricity supplier must be respected.
- Before making electrical connections, make sure that the electrical capacity of the system is suitable for the maximum power of the appliance, as indicated on the rating plate.
- When making connections or repairs, it is necessary to disconnect the appliance from the mains electricity.
- When the appliance is assembled, it must not be possible to touch any insulated cables enabling appliance operation.
- The appliance is equipped to be connected to a single plug socket, which must be fitted in full compliance with the standards in force. Only a qualified electrician may install a plug socket or replace the power cord, which must be performed in full respect of the standards in force.
- If, after connection, it is no longer possible to reach the plug, a separator with more than one pole and a contact distance of at least 3 mm (0.12 in) must be fitted in order to comply with safety regulations.

- The unit housing the built-in coffee machine must be suitably fixed to the floor or wall in the room.
- To guarantee safe machine use, the unit housing the machine must be structurally sound and its guide attachment points must be able to sustain a weight of three times that of the coffee machine during the removal phase.

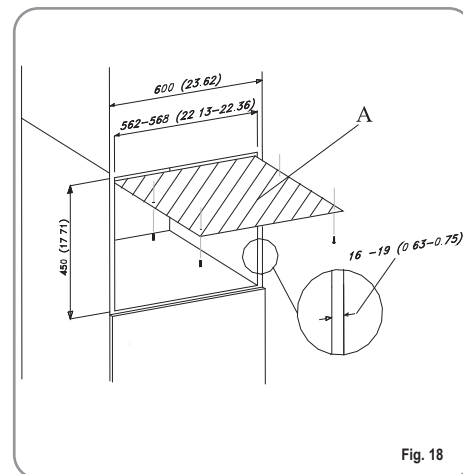
5.2 S-CM3 BUILT-IN UNIT DIMENSIONS



5.3 BUILT-IN INSTALLATION

- Remove the coffee machine from its packaging and make sure that it is not damaged in any way. Should the machine show any signs of damage, do not proceed with installation and contact the retailer.

- Place the metal plate in position in the top part of the coffee machine housing so that it meets with the back section of the unit.



- Tighten the four screws.
- Install the slides on the internal side of the cabinet, making sure that they coincide exactly with the external edge of the cabinet.
- Then fix the hinges on the internal side of the cabinet at 200 mm from the bottom using the 4 screws supplied. Please make sure that the hinges coincide exactly with the external edge of the cabinet.
- Run the machine into the slides but before inserting it completely make sure that the hinges previously fixed coincide exactly with the hinge pins mounted on the machine.
- Otherwise remove the machine, loosen the screws and leave the hinges slightly play on the holes.

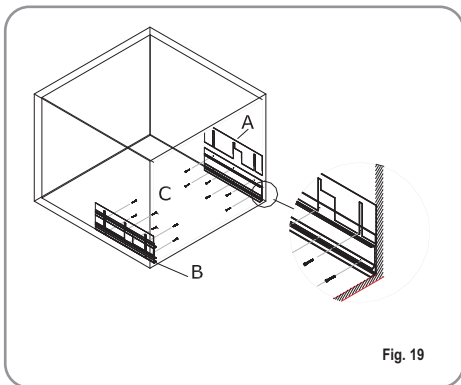


Fig. 19

- Insert the screws into the holes of the corner pieces, but do not tighten them.
- The machine is supplied with 6 metal plates (thickness 1 mm (0.04 in)) that are to be placed between the guide and the sides of the unit. This is to fill any excess space in the event that the unit is more than 562 mm (22.13 in) wide.

5.4 NUMBER OF SPACER PLATES

BUILT-IN HOUSING		N° PLATES
Width (mm/inc)	Thick. (mm/inc)	
562 / 22.13	19 / 0.748	0
564 / 22.2	18 / 0.708	1+1
566 / 22.28	17 / 0.669	2+2
568 / 22.36	16 / 0.629	3+3

- If necessary, insert the plates as described above.
- Make sure that there is a distance (distance B) of 558 mm (21.97 in) between the corner pieces.

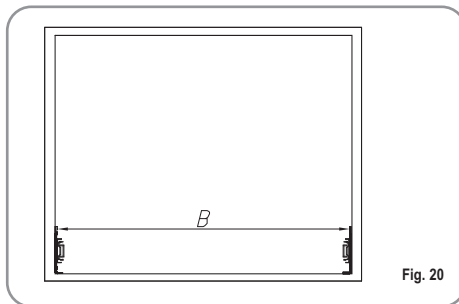


Fig. 20

- Fix the guides to the coffee machine housing, tightening all of the screws.
- Make sure that the power cord comes out from the rear of the housing.
- To prevent the machine from overheating, make a 300 mm x 100 mm (11.82 in x 3.94 in) opening in the back of the unit of at least 300 mm x 100 mm (11.82 in x 3.94 in), to allow air to circulate.
- Insert the coffee machine into the unit, fitting the guides on the machine level into the guides previously fixed on the unit. The guides should slide telescopically when a light pressure is exerted on the front of the coffee machine; if this is not the case, it is necessary to check the distance between the guides again.
- When fitting into the unit, the appliance will automatically hook onto the points (A) on the guides.

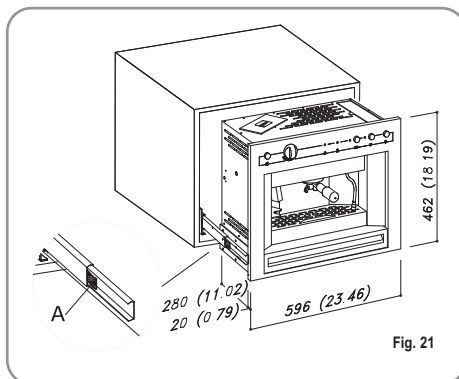


Fig. 21

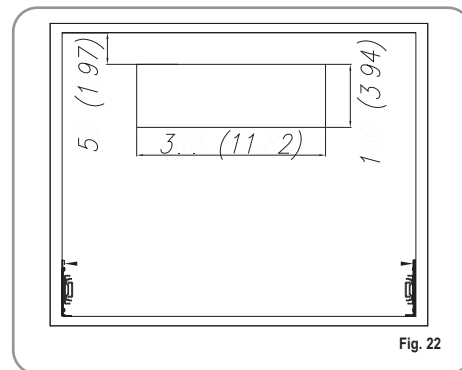


Fig. 22

Open the lid in the top part; then remove and fill the water tank and close the lid.



WARNING

Only pour coffee beans into the container. Any other type of coffee - ready ground for example - will damage the grinder.

5.5 DISASSEMBLY

To remove the coffee machine from its seating, first of all unplug it from the mains electricity. Then press the special joints inside the guides (B) and remove the machine, supporting it on the bottom.

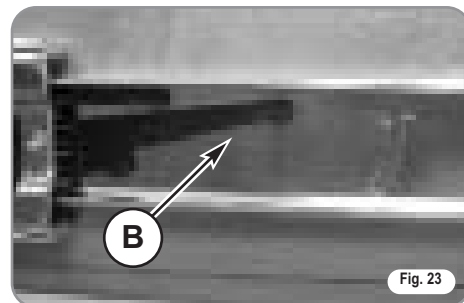


Fig. 23

5.6 TECHNICAL DATA

COFFEE MACHINE	CLASS I
RATED VOLTAGE	120V 60hz
ELECTRICAL INPUT	1200W
CONNECTION	1.8KW (READY FOR CONNECTION)
POWER CORD	1,2m / 47.24 in
APPLIANCE DIMENSIONS (LXPXH)	596 X 280 X 462mm 23.39 X 17.32 X 18.27in
COMPARTMENT DIMENSIONS (LXPXH)	560X550X450mm 22.05 X 21.65 X 17.72in
NET WEIGHT	52Kg / 114Lb
GROSS WEIGHT	63KG / 139Lb
AMOUNT OF WATER	5 Lt / 1.321gal

- Classification of the control device according to protection against electrical shocks: incorporated into Class I equipment.
- Control device pollution levels: suitable for use in ordinary or normal pollution environments.
- Category (Immunity against excess voltage) CATEGORY I.
- Class and structure of software CLASS A.
- Control unit printed circuit:
100 mm x 180 mm (3.94 in x 7.09 in).

The card is built for use in temperature ranges as indicated in the electrical characteristics. Operation at temperatures over these levels is not foreseen for the logic components in the control unit and can therefore lead to malfunctioning.

Operation at voltages outside this range cannot be guaranteed.

6. PREPARING AND SETTING UP THE MACHINE

6.1 PREPARING THE MACHINE FOR OPERATION



WARNING

When performing coffee machine cleaning and filling operations – operations that require the extraction, even if only partial, of the machine itself - it is important to remove the machine very slowly, taking care to ensure that no persons or property are to be found underneath it so as to guarantee maximum safety.



WARNING

In the same way, open the door to the water tank housing on the top of the machine and remove the tank, pulling it upwards before washing it with soapy water, taking care to rinse it thoroughly to remove all traces of soap. Fill the tank with cold water and dry the outside before returning it to its housing and closing the door.

If the sequence described here below does not occur, see the "Troubleshooting" section. After completing the preliminary operations,

- 1) Turn on the steam knob (B).
- 2) Press the machine switch (M); the on indicator light (I) will switch on and the machine will automatically load the water into the boiler tank (initial time, approx. 3 min). Once the required water level has been reached, the machine will begin heating the water; this is shown by the indicator light for the heating element (D), which will switch on and then off again when the heating process is complete.

NOTE: The machine is equipped with a safety system that will stop the machine after approximately 1.5 minutes of continued pump operation. (to prevent the

pump from overheating). In this case, switch off the machine with the main switch (M) and switch it on again. During operation, the on indicator (I) and the heating element (D) indicator light will switch on.

- 3) Wait for the heating element indicator light (D) to switch off; this means that the water has reached the correct temperature. Turn off the steam knob.
- 4) Note: If the water indicator (E) should switch on, this means that the water tank (L) is empty or nearly empty.

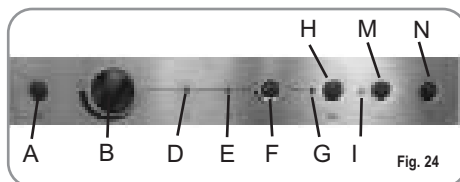


Fig. 24

6.2 LIGHTING

The **S-CM3 Romantica** is equipped with a LED lighting system that lights up the coffee dispensing area and is switched on using the relevant button (N).

6.3 PREPARING THE ACCESSORIES

The parts supplied together with the machine require a small amount of preparation before they can be used:

- A) Insert the FILTER SPRING (3) inside the FILTER HOLDER (2).
To replace the filter holder, use the special tool supplied (14).
- B) Then place one of the two filters (4 or 5) inside the FILTER HOLDER (2) above the filter spring.

- C) Partly pull out the machine and open the water door (L); remove the water tank and wash it carefully with soapy water.
- D) Fill the tank with water
- E) Make sure that the outside of the water tank is dry.
- F) Fit the tank back into its housing.
- G) Close the tank housing door.
- H) Open the coffee bean door (C).
- I) Clean the coffee bean compartment.
- L) Fill the compartment with coffee beans only.
- M) Close the door to the coffee bean compartment.
- N) Refit the machine inside the unit.
- O) Make sure that the drip tray (Q) is properly inserted.

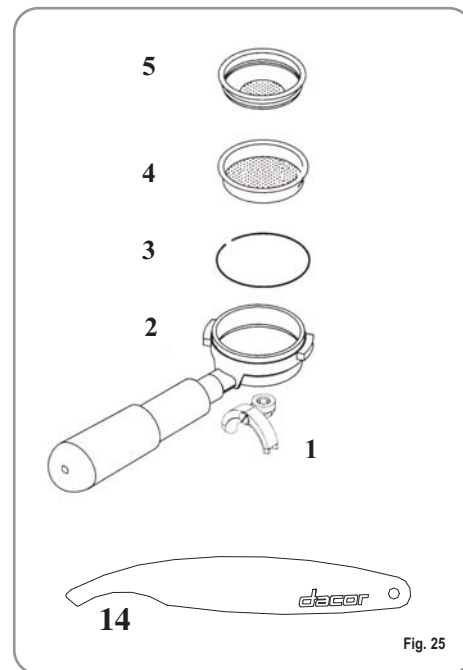


Fig. 25

7. DISPENSING

7.1 PREPARING ONE OR TWO ESPRESSO COFFEES

- 1) After setting up the machine, make sure that the filter holder (2) has a single (5) or double (4) filter inside it, according to the number of coffees to be dispensed. Use the special tool supplied (14).
- 2) Place the filter holder, with the filter inserted, into the special grinder seat (Fig. 1 "V").
- 3) Keeping the filter holder in its rest, press the button (A) "Coffee grinding" once to get the amount of coffee required for one cup and press it twice for two cups.



Fig.26

- 4) Use the coffee presser (Fig. 2 "6") to press the coffee down evenly into the filter and then clean the edges.
- 5) Insert the filter into the opening, turning it slightly until it is tightly in place.
- 6) Place one or two cups beneath the pouring nozzles (according to the number of coffees required)
- 7) Turn the knob (F) to regulate the amount of coffee required; turn it clockwise to increase the amount of coffee to be poured and anticlockwise to reduce it.



Fig. 27

- 8) Press the coffee dispensing button (H); the indicator light (G) will switch on and coffee will start to come out of the pouring nozzles.

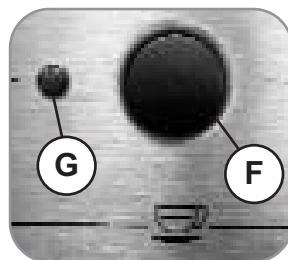


Fig. 28

- 9) Once the set amount has been poured, the machine will stop automatically; to stop the flow of coffee before the set time, anticlockwise rotate the knob (F) until minimum and pouring will stop. When the coffee has been dispensed, the indicator light (G) will switch off.
- 10) **NOTE:** if the machine is to be used frequently, it is possible to leave the used coffee in the filter; if not, the filter must be emptied and cleaned.

7.2 STEAM DISPENSING



WARNING

When moving the steam nozzle, it is obligatory to use the special heatproof holder (see fig. 29).



Fig. 29

- 1) After setting up the machine, clean the steam nozzle with a cloth dampened with hot water.
- 2) Make sure that the tip of the nozzle is inside the drip tray.(Q)
- 3) Gradually and carefully turn the steam knob (B), and after waiting for any drops of water there may be to come out, immerse the nozzle in the liquid to be heated.
- 4) Use the knob (B) to adjust the amount of steam as required.
- 5) Once the liquid has been heated, turn off the steam knob (B) and remove the container of heated liquid from below it.
- 6) Use a cloth dampened in hot water to wipe the steam nozzle clean.

7.3 ADJUSTING THE FINE- NESS AND AMOUNT OF GROUND COFFEE

1) The machine is equipped with a professional coffee grinder with \varnothing 50 mm (\varnothing 1.97 in) grinding wheels; its slow speed and even grinding consistency prevent the coffee from burning. If the ground coffee is not as required, it is possible to change the grinding fineness and amount using the regulators in the left rear side of the machine (K and Y) (see Fig. 30).

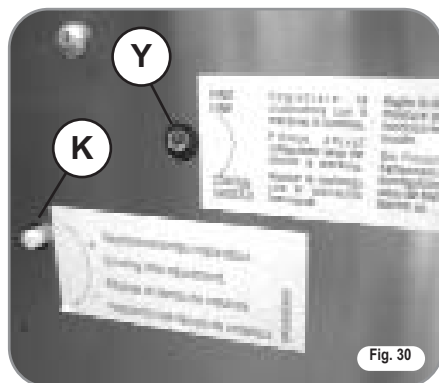


Fig. 30

To adjust grinding fineness, proceed as follows:

- Pull out the machine
- Use the Allen wrench (supplied) to move the adjustment screw Y and change the grinding fineness: turning the screw clockwise will mean coarser grinding, while anticlockwise will mean finer grinding.

The level of the amount of coffee that will be ground – as required for one or two doses – is indicated in the grooves inside the filters (see Fig. 31 – Fig. 32 2 double filter)

Turn the knob K clockwise to reduce the amount of ground coffee dispensed and turn it anticlockwise to increase it.

At the end of these adjustment steps, return the machine to its housing.

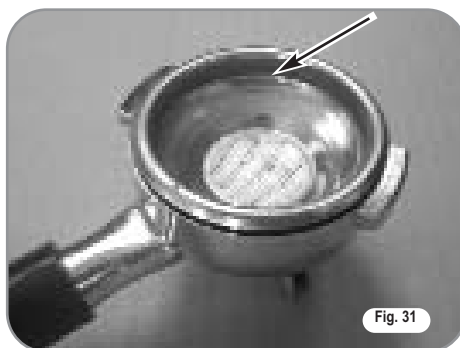


Fig. 31



Fig. 32

8. CLEANING AND MAINTENANCE



WARNING

Before performing any type of cleaning operation, except that for the dispensing unit or steam nozzle, switch off the power to the machine using the main switch.

N°	TYPES OF CLEANING	PART No.	FREQUENCY		
			IMMEDIATELY AFTER USE	DAILY	WEEKLY
1	Cleaning the nozzle	Fig.1 "P"	♦		
2	Cleaning the filter and filter holder	Fig.2 "2, 4, 5"	♦	♦	
3	Cleaning the outside of the machine			♦	
4	Grille cleaning	Fig.1 "Q"		♦	♦
5	Cleaning the drip tray	Fig.1 "Q"	♦	♦	♦
6	Cleaning the water tank	Fig.1 "L"			♦
7	Cleaning the dispensing unit gasket	Fig.2 "3"		♦	♦
8	Cleaning the dispensing unit and spray	Fig.2 "1-2"		♦	♦
9	Cleaning the grounds drawer and tray	Fig.1 "R"		♦	♦

8.1 CLEANING THE NOZZLE

Use a cloth dampened with hot water and/or a mild detergent

8.2 CLEANING THE FILTER AND FILTER HOLDER

- 1) Separate the filter (Fig. 2 "4 - 5") from the filter holder (Fig.2 "2")
- 2) Clean with a jet of water and dry.
- 3) If necessary, use a brush to clean the filter.

8.3 CLEANING THE OUTSIDE OF THE MACHINE



WARNING

- Before performing any type of cleaning operation, except that for the dispensing unit or steam nozzle, switch off the power to the machine using the main switch.
- Do not use abrasive or aggressive products to clean the steel, as these may corrode or scratch the metal.
- Do not use solvents, chlorine-based or abrasive products to clean plastic parts. Cleaning must be carried out with a damp cloth and a mild detergent, taking care not to scratch the steel.

8.4 CLEANING THE DRIP TRAY

- 1) Clean the drip tray with warm water and a mild soap.
- 2) **NOTE:** the drip tray is dishwasher safe.
- 3) **WARNING:** never use solvents of any type.

8.5 CLEANING THE WATER TANK

Use soapy water and rinse thoroughly.

8.6 CLEANING THE DISPENSING UNIT, SPRAY AND GASKET



WARNING

RISK OF SCALDS: This operation is performed with the machine switched on, therefore it requires the utmost care.

- 1) Remove the filter holder from its seating;
- 2) Clean the holes in the spray and the gasket in the dispensing unit (Fig. 2 "3") using a brush with medium hard bristles;
- 3) Press the dispensing button to pass water through the spray for about 20 seconds and then press the button again.
- 4) Dry the spray and dispensing unit.

8.7 MAINTENANCE

If the cleaning operations described in the previous section are carried out as stated, no specific maintenance will be necessary. For any assistance operations of a technical nature, call your dealer.

9. TROUBLESHOOTING....

If your espresso machine is not working correctly, try looking through the causes and solutions listed here below. Also refer to the corresponding sections in the users' manual.

PROBLEM	SOLUTION
The machine is not preparing espresso coffees	Check to see whether or not the indicator light to show insufficient water is switched on: this means there is not enough water in the tank or that the tank has been inserted incorrectly.
	The coffee has been too finely ground or overly pressed.
	Check the water dispenser spray
	Scale needs to be removed from the machine.
The coffee comes out from the sides of the filter holder	The filter holder has been inserted incorrectly
	The filter holder has not been sufficiently tightened.
	It is necessary to clean the coffee deposits on the gasket (see cleaning section)
There is insufficient foam or no foam at all	Check the coffee dose
	The machine is not hot: has the heating element indicator light switched off?
	The coffee is too coarsely ground
	The coffee has not been properly pressed in the filter
	The coffee is stale
The foam is too dark and/or the coffee has a burnt taste	The coffee is too finely ground
	The coffee has been overly pressed
	The coffee dose is excessive.
The coffee is not hot enough	The hot water is passing too quickly through the filter. It should take 25 -40 seconds to make two cups of coffee.
	The coffee has not been properly pressed in the filter
	The coffee is too coarsely ground.
	The filter holder is cold. To keep it warm, the filter holder must always be left in the machine during the heating stage and use.
	There is a problem with the boiler tank safety thermostat: contact your nearest assistance centre.
The pump is not taking water from the tank	Turn on the steam nozzle (P) and press the coffee switch repeatedly.

10. WIRING DIAGRAM

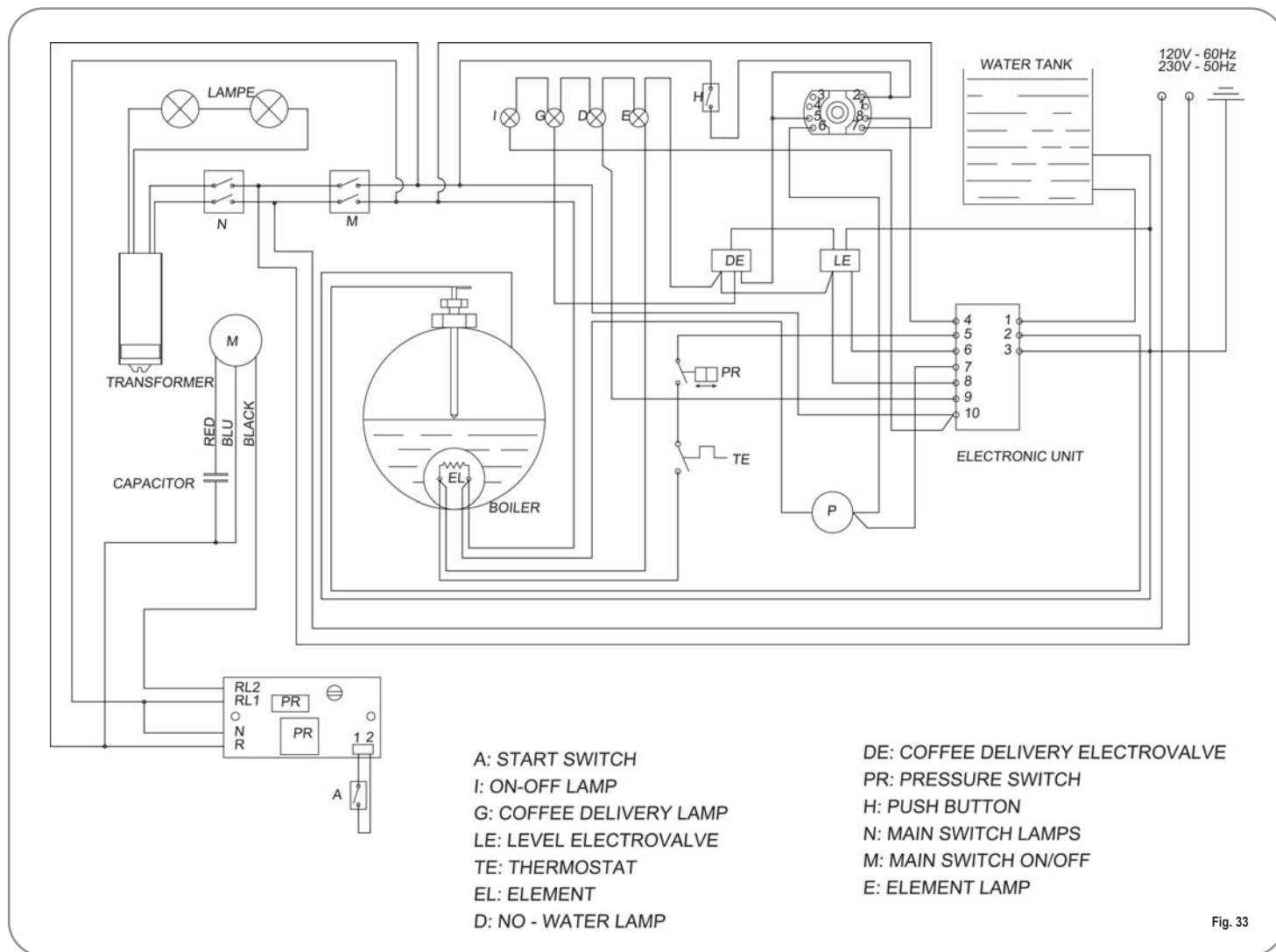


Fig. 33