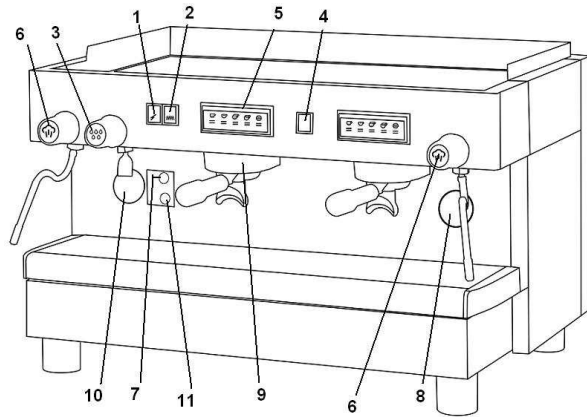
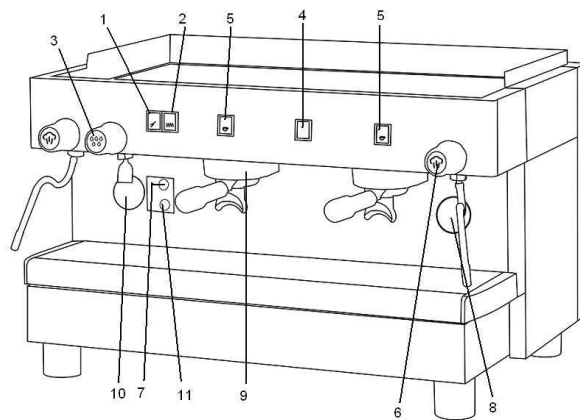


COFFEE MACHINES HRC – AUTOMATIC (ES) / MANUAL (MS)

1	Main switch
2	Heating element switch
3	Hot water knob
4	Tap
5	Coffee switch
6	Steam knob
7	Green lamp (right level)
8	Boiler pressure gauge
9	Brewing group
10	Pump pressure gauge
11	Orange lamp (water inlet)



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MODEL	GROUPS	H	D	W	BOILER CAPACITY
ES/MS 100 HRC	2	500	535	795	11 LT
ES/MS 100 HRC	3	500	535	1035	16 LT

WARNING / IMPORTANT

- The machine has to be connected to an efficient earth socket. Otherwise anomalous functioning or damages may occur, affecting the proper and safe functioning;
- Do not cover the cup tray with clothes;
- Coffee machines are always equipped with a self levelling device, such a device is set so that as the inlet solenoid opens, the pump starts to ensure water circulation even with low pressure;

COFFEE MACHINE ES HRC - VOLUMETRIC VERSION

Volumetric delivery coffee machine with microprocessor aided control

2/3-group versions

4 different dosage and continuous delivery on each touch pad

STOP delivery function on 5 keys

Independently programmable touch pads

Boiler level check

Touch pad aided settings for an immediate check, directly into the cups



RESERVED TO THE INSTALLER AND THE ASSISTANCE SERVICE TECHNICIAN

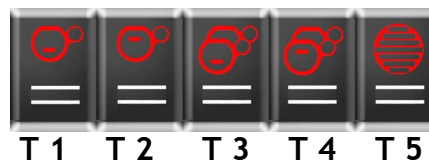
Electric connections

The components connected to the microprocessor-aided dosage settings work at Volt 220/240 50/60 Hz single phase.

The solenoids and the rotary pumps work at volt 220/240.

Machines can be supplied for 110/120 volt 50/60 Hz system (1 and 2-group only) - upon request

In case of power fluctuations or interference, the machine may be stopped by the cut off device connected to the electronic parts. To turn it on again switch it off for a few second by acting on the main switch.



DOSAGE SETTINGS *(to be performed with the machine at the right temperature)*

Coffee and water dosages are set acting on the groups touch pads.

- 1) Fit a handle with ground coffee under the **left group** as to brew 1 or 2 coffees;
- 2) Keep the continuous delivery button (T5) pressed for at least 5 seconds until the continuous delivery LED will blink; the other buttons will be lit.
- 3) Press the chosen button (e.g. long coffee T2) within 5 seconds. If no button is pressed, the programming will be aborted and the LED will stop blinking.
- 4) Once the desired coffee quantity will be reached, press the chosen button to stop the brewing. During programming, the T5 LED will blink, the chosen LED will stay on (e.g. T2) while the other ones will be off. Once the dosage will be set on the chosen button (e.g. T2) the T5 LED will blink and the other ones will turn on. The same will happen for any dosage settings
- 5) During programming the other touch pads will not be active.
- 6) When all the buttons will be set press T5 again to save the settings.
- 7) The settings saved on the left group are automatically transferred to the other groups. If different settings are required on the other groups, perform the same operations (2-6) on the required group.

SAFETY - MESSAGES - FEATURES

- MAXIMUM COFFEE BREWING: APPROX. 3 LITRES
- If coffee brewing time exceeds 240 seconds the system will be automatically cut off.
- If the flowmeter sends no signals for 5 seconds, the LED of the selected dosage will blink (broken or blocked flowmeter). To stop the brewing press one of the dosage buttons.
- The machines are supplied with:
 - o self levelling device
 - o automatic group washing system, using T1 and T5 buttons together (2/3 groups only)