



BATTISTELLA®

MACCHINE PER STIRARE
IRONING EQUIPMENT

Instructions and maintenance

BARBARA 31 mod. 2010

BATTISTELLA B.G. S.r.l.

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INSTRUCTIONS AND MAINTENANCE

BARBARA 31 mod. 2010

**Read the directions carefully before operating.
Don't use the machine differently from following description.**

1. SPECIFICATIONS

MODEL:	BARBARA 31 mod. 2010
POWER SUPPLY:	230 V - 50 Hz
TOTAL INSTALLED POWER:	2250 W
IRON POWER:	800 W
BOILER POWER:	1450 W
BOILER CAPACITY:	3,4 L. (Inox)
IRONING ENDURANCE:	about 3/4 hours
OPERATING STEAM PRESSURE:	2,8 BAR
MAXIMUM PRESSURE:	5 BAR
WEIGHT:	15,5 kg
OVERALL DIMENSIONS:	25x29x89 h. cm
MADE IN ITALY	

2. IMPORTANT

Before installing BARBARA 31, it is necessary to set up an electrical plug protected and suitable to BARBARA 31 power (it is better to use an earth protector thermo magnetic switch 16 A Id 30mA). For the transport and movement of BARBARA 31 use the proper handle. Never pull the electric cable (fig. 1).

This steam generator is not suitable for people (children included) with physical or mental handicaps or inexperienced persons, unless they are instructed by a person who takes the responsibility for their safety. Children must not play with the steam generator.

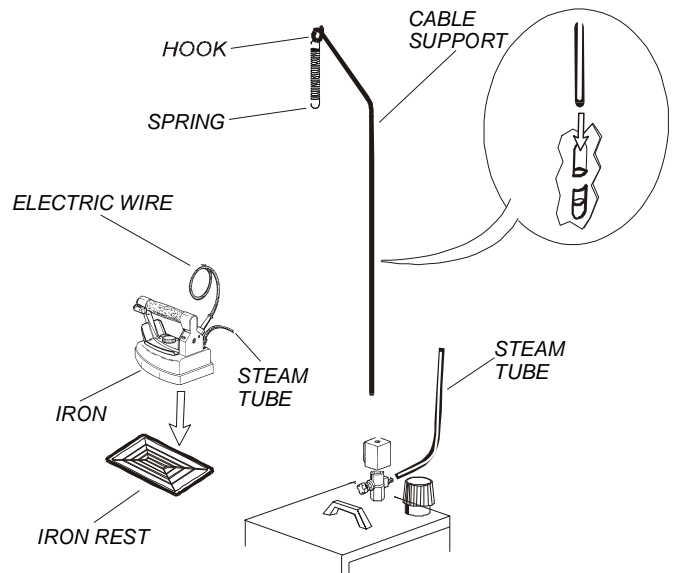


Fig. 1

3. OPENING OF PACKAGE

1. Open the box containing BARBARA 31 from the side marked with ALTO↑ , take out the instruction manual and read it carefully.
2. Remove BARBARA 31 from the box, insert the cable support deep into the special hole (fig. 1) placed on the back side of the generator.
3. Fix the spring to the support hook, avoiding entwining (fig. 1).
4. Place the iron on the rubber rest supplied with the machine (fig. 1).

4. CONNECTION AND STARTING

With BARBARA 31 switched off and disconnected plug:

1. Unscrew the safety valve plug of BARBARA 31 (fig. 1), fill the boiler with water to the desired level (we suggest not to exceed MAX level marked in the level glass - fig. 2). Take the plug by the plastic part and screw it again: do not tighten too much or its gasket might get spoilt (see section 7).

N.B.: make sure the exhaust tap of the boiler is closed (fig. 7).

2. Insert the plug into a 230 V 16 A socket.
3. **In case the boiler is too much filled**, the iron might leak water. If this is the case, switch off the machine, unscrew the plug a bit, let all the steam come out of the boiler and wait until the water and the boiler are cold. At this point turn the exhaust tap so that the excess water flows out (see section 8).
4. Switch on the boiler (fig. 2 C). Five minutes later switch on the iron (fig. 2 D) and adjust the thermostat (fig. 4) on "cotton".
5. Wait for the boiler lamp to switch off (fig. 2 A). Seize the iron by cork handle and press the micro-switch of the iron (fig. 5) 4 or 5 times, so that steam comes out. It is important to make sure it is a saturated steam (by pressing the micro-switch with the iron pointed towards the floor). It is possible to adjust steam flux by turning the hand-wheel placed on the solenoid valve (fig. 1). Now everything is ready for ironing. During ironing operation, the boiler lamp switches on and off signalling that the machine is working properly (fig. 2 A).

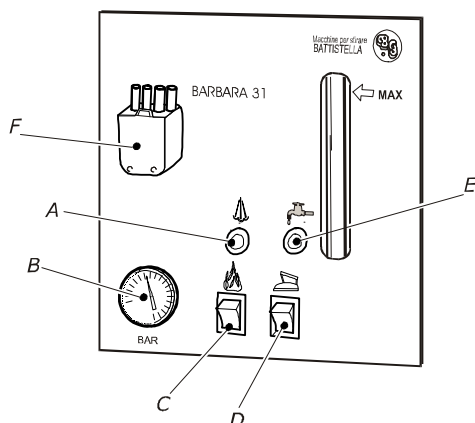


Fig. 2

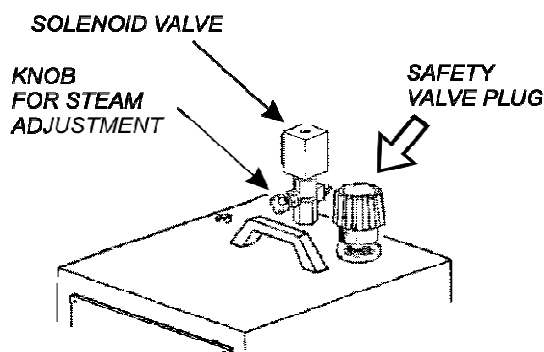


Fig. 3

5. GENERAL WARNINGS

1. Connect BARBARA 31 to a suitable and protected socket (avoid connecting the device to multiple sockets or extensions which are not suitable to its power).
2. Keep children away from BARBARA 31, both when it is on and off.
3. Place the equipment on a steady surface indoor with a temperature between +10°C and +40°C. Do not leave BARBARA 31 outside exposed to the action of the atmospheric agents.
4. The operator must never leave the ironing board unattended when it is switched on.
5. Use only drinkable water coming from the water supply for the domestic use.
6. Never add any sort of additives to water.
7. Never empty the boiler while it is working (see section 8).
8. Never unscrew the safety valve plug when the machine is being used.
9. **Never replace the safety valve plug (fig. 3) with other types of plug.**
N.B. the safety valve plug is set at 4,5 bar and it has the function of a safety valve.
10. Never leave the iron on the board or on garments when it is on.
11. Never place the iron directly on the metal part of the iron rest (always use the proper rubber rest).
12. Do not iron garments directly on persons or things.
13. When in use, do not bring the machine near inflammable or thermo-labile parts.

6. IRONING OPERATION

1. Run the iron on garments, pressing the micro-switch of the iron for steam (fig. 5).
2. For delicate, blue or black garments, we advise you to use the specific anti-sheen shoe.
3. During ironing operation, always put the iron on its rubber rest (fig. 1).
4. For dry ironing it is possible to adjust the thermostat (fig. 4) on different positions according to the type of fabric (look at garment label). For steam ironing, set the thermostat on "cotton" or "linen".
5. When BARBARA 31 is used with a non-vacuum board, some circular water spots might form. In this case, reduce the steam flux through the knob for steam adjustment (fig. 3). It is recommended to combine the machine with a vacuum and heated ironing board.

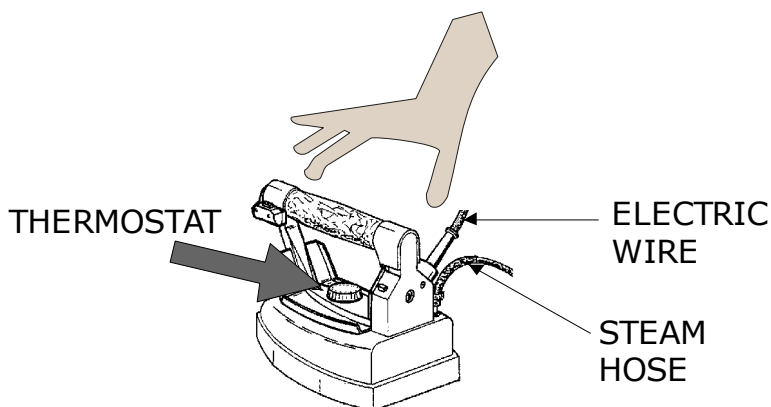


Fig. 4

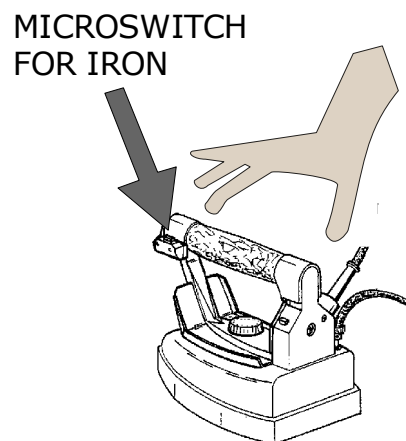


Fig. 5

7. WATER FILLING

When the water in the boiler is over, the lamp “no water” switches on (fig. 2 E). At this point disconnect the plug, rotate the valve plug (fig. 3) of 360° and wait for steam to go out completely. Unscrew the valve plug with care and wait 5/10 minutes.

Then fill the boiler with water (fig. 6), paying attention not to exceed MAX level (see section 4.1). It is suggested the use of a funnel. Screw the valve plug again (fig. 1), connect the plug and wait for the boiler lamp to switch off (fig. 2 A). While refilling the boiler, do not spill water onto the machine. In the event this should happen, dry immediately in order to avoid electrical risks.

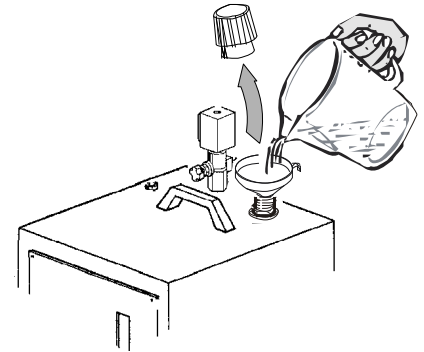


Fig. 6

8. BOILER DISCHARGE

Empty the boiler periodically. Carry out this operation when BARBARA 31 is turned off, cold and the plug is disconnected. Wait at least 1 hour after the switching off. During this procedure, wear proper gloves in order to avoid accidental burns.

Unscrew the valve plug and turn the exhaust tap (fig. 7), wait for all the water to come out and then turn it off again. The tap might gel clogged: in this case, use a wire with a diameter of 3-4 mm or similar and introduce it into the tube in order to unclog it.

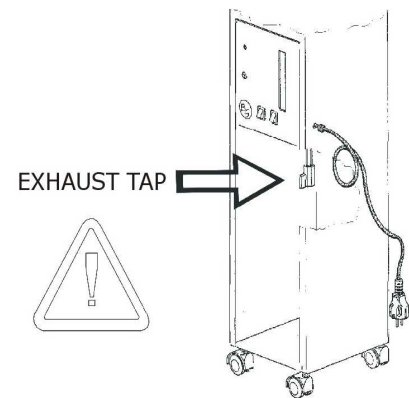


Fig. 7

9. GOOD FUNCTIONING

BARBARA 31 was designed and manufactured for the ironing of domestic garments. It can be used maximum 20 hrs. per week (subdivided in many times) or 80 hrs. per month.

10. INTERVENTIONS AND SMALL REPAIRS

1. It is recommended to empty the boiler every 2 or 3 times you use it.
2. It is recommended to replace the gasket of the safety valve plug (use only original gaskets) every 1200 hrs. of lighting or maximum 2 years, or earlier if it is damaged. Carry out this operation when BARBARA 31 is switched off, cold and when the manometer indicates 0 bar.
3. If the electric wire is damaged, replace it immediately. The wire is supplied by the manufacturer or authorized service centres.

11. COMPULSORY PERIODICAL MAINTENANCE

(To be carried out exclusively by assistance centres or by the manufacturer)

It is recommended to replace:

1. the internal safety valve every 2100 hrs. of ironing or maximum 3 years;
2. the internal thermostats every 2100 hrs. of ironing or maximum 3 years;
3. the steam tube and the electric iron wire once they seem damaged (fig. 4);
4. the safety valve plug every 2500 hrs. or maximum every 3 years (fig. 3).

It is recommended also to clean the boiler from limestone every 2500 hrs. of ironing or maximum 3 years.

12. ELECTRICAL RISKS

The following situations are considered dangerous for the operator:

1. earth protector switch is activated when turning on the machine;
2. using BARBARA 31 during thunderstorms;
3. using BARBARA 31 without proper protection for feet (without shoes) or with wet hands or feet;
4. damaged electrical wires;
5. when the electric wires touch hot parts of the machine;
6. loss of water from iron or iron overheating (fig. 4);
7. washing or cleaning the iron using water (fig. 4);
8. filling the boiler when the machine is switched on.

13. MECHANICAL RISKS

The following situations are considered dangerous for the operator:

1. using BARBARA 31 for different purposes other than ironing;
2. replacing the gasket of the safety valve plug with non-original gaskets;

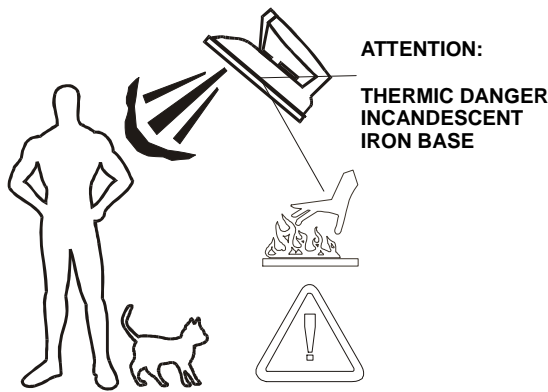
14. THERMIC RISKS

The machine can become extremely hot: use it very carefully and disconnect the plug when not in use.

Wait for the machine to cool down before cleaning it.


The following situations are considered dangerous for the operator:

1. touching iron base when it is hot;
2. touching the solenoid valve while BARBARA 31 is under pressure;
3. emptying the boiler or touching the exhaust tap while there is pressure inside the boiler;
4. touching the valve plug when BARBARA 31 is under pressure;
5. pointing the steam jet towards people or animals.



- ❑ **Do not iron garments directly on persons.**
- ❑ **Do not leave hot iron on garments.**
- ❑ **After use, always put iron on its rubber rest.**

15. PACKING, STORAGE AND TRANSPORT

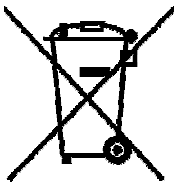
BARBARA 31 is packed in a cardboard box which cannot be turned upside down. As this is not a stiff package it is not shock-resistant. We therefore suggest to handle the box with utmost care and not to use it as stool or support.
For authorized distributors and resellers: do not store boxes one on top of another and keep them dry, paying attention to store them with  upwards (Handle with care).

16. WARRANTY

Warranty does not apply to damage resulting from:

- Tampering with the machine or repairs carried out by non-authorized personnel;
- Total or partial inobservance of the instructions contained in this manual;
- Improper maintenance or wrong assembly/connection;
- Use of non original spare parts;
- Use of the machine for purposes other than those written in this manual.

17. DISPOSAL



According to the directive 2012/19/UE on waste of electrical and electronic equipment, do not treat this product as household waste. This appliance is marked according to the directive 2011/65/UE on restriction of use of specific dangerous substances in electrical and electronic equipment.

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment.

Ensuring this product is disposed of correctly will help prevent potential negative consequences for the environment and human health which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources.

The abusive disposal of the product by the user may lead to administrative sanctions.

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**Every product manufactured by BATTISTELLA B.G. S.r.l. is subject to the following limitations:**

- ❖ **Battistella B.G. S.r.l.** guarantees that this machine, correctly installed and used, works accordingly to this manual of instructions. Each implicit guarantee is limited by law as from purchase date.
- ❖ **Declination of responsibility for consequential damages: Battistella B.G. S.r.l.** will never take the responsibility for any damage (included, without any limitation, consequential damages due to loss or no profit, cutback or any other economical loss) deriving from the use of a BATTISTELLA machine, even in case the Company had been previously informed of such kind of possibility.

Should you need **further information** about this manual, please contact **Battistella B.G. S.r.l.** or the person who sold you the machine.

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