Fig. 13:
Correct assembly of the cappuccino nozzle
Make sure there is always a small gap between the rear cappuccino nozzle and the connection piece. This will guarantee perfect operation of the cappuccino nozzle.
Description of the machine

1. Drip tray
2. Drip grate
3. Coffee grounds tray and container
4. a) One Touch Cappuccino nozzle* long spout
   b) One Touch Cappuccino nozzle* short spout
5. Water tank with handle and level indicator
6. Water tank cover
7. Cover for bean tank and coffee powder tank
8. Aroma preservation cover
9. Filler funnel for pre-ground coffee
10. Control panel
11. Height-adjustable coffee spout
12. Height-adjustable hot water spout
13. Cup illumination
14. Rotary switch for setting the grinding degree
15. Power switch
16. a) Vacuum milk container
   b) Stainless steel vacuum milk container (optional)

* hereinafter referred to as cappuccino nozzle

A ON / OFF key
B Rotary Switch
C Maintenance key
D Milk key
E Cappuccino key
F Special Coffee key
G Hot Water key
H Text display
I Graphics display
J 1 ESPRESSO key
K 2 ESPRESSOS key
L 1 COFFEE key
M 2 COFFEES key
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Introduction
Thank you for purchasing the IMPRESSA X5. To ensure perfect functioning of your IMPRESSA, carefully read this operating manual and keep it for future reference. Should you need more information or if you encounter particular problems not specified in these operating instructions in sufficient detail, either contact us directly or contact your local authorized dealer.
You can download other languages from the JURA website at www.jura.com

You will also find useful tips on operation and maintenance of your IMPRESSA X5 on the website at www.jura.com. Don’t forget to check out the Knowledge Builder our animated operating instructions. LEO, our assistant, will take you through all the functions.

1. Safety information
1.1 Warning
■ Children do not realize the dangers involved in using electric appliances, for this reason always keep an eye on children when they use electric appliances.
■ The coffee machine may only be used by instructed persons.
■ Never use a defective coffee machine or a machine with a defective mains cable.
■ Never immerse the coffee machine in water.

1.2 Precautions
■ Never expose the coffee machine to weather (rain, snow, frost), never touch the machine when your hands are wet.
■ Place the IMPRESSA on a firm, level base that is resistant to any water that may leak. Never stand on hot or warm surfaces (oven hobs). Keep out of the reach of children.
■ If you don’t use the machine for a longer time (holidays, etc.) always disconnect the mains cable.
■ Always disconnect mains cable before cleaning the machine.
■ When disconnecting the mains cable never pull on the mains cable or the machine itself.
■ Never repair or open the coffee machine yourself. Any repairs may only be carried out by authorized service shops using original spare parts and accessories.
■ The coffee machine is connected to mains supply via a mains cable. Make sure nobody can trip over the mains cable. Make sure children and pets cannot reach the machine
■ Never put the coffee machine or individual parts of it into a dishwasher.
■ Make sure to install the machine at a place with sufficient air circulation, to prevent overheating of the machine.

2. Preparing the IMPRESSA X5
2.1 Check supply voltage
The IMPRESSA X5 is preset in the factory to the correct mains voltage. Check if your local mains supply voltage complies with the information given on the type plate on the underside of the IMPRESSA.

2.2 Check electrical fuse
The IMPRESSA X5 is designed for an electric current of 10 amperes. Check if the electrical fuse has sufficient capacity.
2.3 Fill water tank

Only use fresh, cold water. Never fill in milk, mineral water or other liquids.

- Remove the water tank and rinse it with cold tap water thoroughly (Fig. 1).
- Then fill the water tank and reinstall it. Make sure to install the tank properly, it must engage audibly.

2.4 Fill coffee beans

To ensure that your machine will work perfectly for a long time and to avoid damage, please note that the grinding gear of your JURA coffee machine is not suitable for coffee beans which were treated, during or after roasting, with additives (e.g. sugar). Such coffee blends may damage the grinding gear. Any repair costs resulting from the use of such blends are not covered by warranty.

- Open the bean tank cover (7) and remove the aroma preservation cover (8).
- Remove any dirt or foreign matter from the bean tank.
- Fill coffee beans into the bean tank (Fig. 2), replace the aroma preservation cover (8), make sure the rounded edges are pointing outwards, and close the lid.

2.5 Adjusting the grinding gear

You can adjust the grinding gear to the roast of your coffee. We recommend

- a fine grinding degree → for bright roasts
- a coarse degree → for dark roasts

The grinding degree may only be adjusted while the grinding gear is running.

2.6 Vacuum milk container

- The vacuum milk container and the lid are NOT dishwasher safe
- Wash out the vacuum milk container (16a/16b) thoroughly before you use it for the first time.
- Fill the milk container with cool, fresh milk.
- Always make sure there is enough milk in the vacuum milk container before you froth milk or make cappuccino.
- If filled with refrigerated milk, the vacuum milk container will keep milk cool for about 8 hours.
- Please do not fill ice cubes into the vacuum milk container since these could damage its coating.
- Keep the vacuum milk container away from hot stove tops etc.
- The vacuum milk container may be damaged if dropped.

2.6.1 Vacuum milk container (16a)

- Never use sharp or pointed objects in the milk container since these could damage its coating.

2.6.2 Stainless steel vacuum milk container (16b)

- Always clean the stainless steel vacuum milk container after you have used it. Rinse it with warm water, and with some detergent if necessary. Remove the riser tube inside the milk container as well as the hose connection on the outside and give these parts...
including the lid a good rinse with clear water. Never use scouring agents, bleach, solvents or abrasive pads for cleaning. Leave the vacuum milk container OPEN if it’s not being used.

- The stainless steel vacuum milk container is supplied with a hose set consisting of a 120 mm hose (fitted on both ends with a connection nipple) and a 360 mm hose. With the longer hose the container can be placed further away from the machine. You can also cut it to make 3 spare hoses each with a length of 120 mm.

- Please note that in order to fasten the suction tube on the lid the (transparent) rubber seal first has to be inserted into the opening as far as the stop. Then insert the suction tube into the rubber seal as far as the stop.

⚠️ Too little milk in the container may cause the milk to squirt out of the nozzle.

### 2.7 Power switch

⚠️ Actuate the power switch (15) on your IMPRESSA X5 before using the machine for the first time.

We recommend that you switch off your IMPRESSA X5 with the power switch (15) if you intend not to use the machine for longer periods of time (e.g. during holidays).

### 3. First use

- Press the power switch (15) at the bottom left of your IMPRESSA (Fig. 3).
- The ON/OFF key lights up (A) to indicate that the machine has been switched on with the power switch.
- Switch the machine on using the ON/OFF key (A). The light of the ON/OFF key goes off.
- Turn the Rotary Switch (B) until the required language is displayed.
- Example:
- **DISPLAY** LANGUAGE
- **GRAFIK** ENGLISH
- Confirm the selected language by pressing the Rotary Switch (B).
- **DISPLAY** CONFIRMED
- **GRAFIK** ✓
- **DISPLAY** TIME
- **GRAFIK** HOURS
- To set the hours, turn the Rotary Switch (B)
- **DISPLAY** TIME
- **GRAFIK** HOURS
  12:00
- Press the Rotary Switch (B) to confirm the hours and to activate the minutes.
- **DISPLAY** TIME
- **GRAFIK** MINUTES
  12:00
- To set the minutes, turn the Rotary Switch (B).
- **DISPLAY** TIME
- **GRAFIK** MINUTES
  12:45
- Confirm the minutes by pressing the Rotary Switch (B).
- **DISPLAY** CONFIRMED
- **GRAFIK** ✓
- **DISPLAY** PRESS MAINTENANCE
- **GRAFIK**
Maintenance key (C) lights up.
Place a cup each under the height-adjustable coffee spout (12) and the cappuccino nozzle (4) and press the maintenance key (C).

The system now fills up automatically. While it is doing so, the maintenance key flashes. (A little water will leak from the cappuccino nozzle (4), then from the hot water spout (12).

The cup illumination puts your coffee in a perfect light, making it a treat for the eyes as well. When you switch on the IMPRESSA or press any key, the cup illumination is activated for 1 minute.

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4. Adjusting your machine to the water hardness
The IMPRESSA heats up water. As a result, calcification occurs during normal use, and it is indicated automatically. The IMPRESSA must therefore be adjusted to the hardness of the water used. Use the supplied test sticks to determine the water hardness or contact your local waterworks.

1° German hardness is equivalent to 1.79° French hardness.

The water hardness programming step is no longer displayed if the filter is activated.

The IMPRESSA is preset to 16°e. This setting can be changed. To do so, proceed as follows:

Press the Rotary Switch (B) until you hear an acoustic signal.

If FILL BEANS appears on the display, press one of the coffee product keys again. The mill is not yet completely filled with coffee beans.

For a perfect frothing result, adjust the coffee spout (11) to the size of your cup (Fig. 4).

After putting the IMPRESSA into operation for the first time, do not disconnect it from the mains for at least 24 hours to ensure it is in perfect operating condition. Therefore, do not turn the machine off using the power switch during this time!
5. Using the CLARIS plus filter cartridge

When using the CLARIS plus filter cartridge correctly, decalcifying your IMPRESSA will no longer be necessary. For more information on the CLARIS plus filter cartridge refer to brochure “CLARIS plus. Hard on limescale. Gentle on your coffee machine.”

5.1 Installing the filter

Press the Rotary Switch (B) until you hear an acoustic signal.

Press the Rotary Switch (B) to start programming.

Now press the Rotary Switch (B) to leave the programming mode.

Close the cartridge holder until it engages audibly.

Fill the water tank with cold, fresh tap water and place it back into the machine.

Place a sufficiently large receptacle (min. 0.5 litres) under the cappuccino nozzle (4). We recommend attaching the short spout (4b).

Press the maintenance key (C) to start rinsing the filter.

Filter rinsing stops automatically.

Remove the water tank from the IMPRESSA. Empty out any remaining water. Fold up the cartridge holder (Fig. 6). Attach the extension piece (contained in the Welcome Pack) to the top of the CLARIS plus filter cartridge. Now insert the filter cartridge in the water tank, applying gentle pressure (Fig. 6).

Press the Rotary Switch (B) until the following message is displayed:

Confirm your setting by pressing the Rotary Switch (B).

CONFIRMED

Now press the Rotary Switch (B) to start programming.

Now press the Rotary Switch (B) to leave the programming mode.

COFFEE READY

Fill the water tank with cold, fresh tap water and place it back into the machine.

Place a sufficiently large receptacle (min. 0.5 litres) under the cappuccino nozzle (4). We recommend attaching the short spout (4b).

Press the maintenance key (C) to start rinsing the filter.

Filter rinsing stops automatically.

UNIT IS HEATING

Remove the water tank from the IMPRESSA. Empty out any remaining water. Fold up the cartridge holder (Fig. 6). Attach the extension piece (contained in the Welcome Pack) to the top of the CLARIS plus filter cartridge. Now insert the filter cartridge in the water tank, applying gentle pressure (Fig. 6).
Place a sufficiently large receptacle (min. 0.5 litres) under the cappuccino nozzle (4). We recommend attaching the short spout (4b).

Press the maintenance key (C) to start rinsing the filter.

FILTER RINS

Filter rinsing stops automatically.

UNIT IS HEATING

You can interrupt the filter rinsing cycle (e.g. to empty the receptacle). To do so, press a key of your choice.

5.2 Changing the filter

After drawing off approx. 50 litres, the filter cartridge will be used up. A message requesting you to replace the filter will appear on the display. The scale on the cartridge holder in the water tank will tell you how much longer you can use the CLARIS plus filters.

You have now activated the filter. The programming step for adjusting your machine to the correct water hardness is therefore no longer displayed.

The water might be slightly discoloured (no hazard to health).

You can also trigger a change of filter manually from the maintenance menu at any point in time (only if the filter has been activated) – see Chapter 15.3

You can interrupt the filter rinsing cycle (e.g. to empty the receptacle). To do so, press a key of your choice.

5.3 Rinsing the machine

If the coffee machine is switched off and has cooled down, you will be prompted to start a rinsing cycle when switching the machine back on. The machine automatically performs a rinsing cycle when you switch it off.

Place a cup under the height-adjustable coffee spout (11).

Press the maintenance key (C).

FILTER-CHANGE

You can interrupt the filter rinsing cycle (e.g. to empty the receptacle). To do so, press a key of your choice.

DISPLAY COFFEE READY

The maintenance key (C) lights up. Press the maintenance key.

DISPLAY INSERT FILTER

Remove the water tank from the IMPRESSA. Empty out any remaining water. Fold up the cartridge holder (Fig.6). Attach the extension piece to the top of the CLARIS plus filter cartridge. Now insert the filter cartridge in the water tank, applying gentle pressure (Fig. 6).

Close the cartridge holder until it engages audibly.

Fill the water tank with cold, fresh tap water and place it back into the machine.

DISPLAY PRESS MAINTENANCE

Press the maintenance key (C).
You can also trigger a rinsing cycle manually from the maintenance menu at any point in time (see Chapter 15.3).

With manually triggered rinsing, all the spouts that were used are rinsed.

7. Making coffee
(1 espresso, 2 espressos, 1 coffee, 2 coffees)

Place 1 or 2 cups (as required) under the adjustable coffee spout (11) and press the corresponding symbol , , , . The pre-brewing process (I.P.B.A.S.) moistens the coffee powder, briefly interrupts the flow of hot water and then begins with the actual brewing process.

1 ESPRESSO (example)

The coffee brewing process stops automatically as soon as the set amount of water has run through.

To stop the brewing process prematurely, press any of the draw-off keys.

You can pre-select the strength of your coffee when the machine is ready to brew (DISPLAY PLEASE SELECT). To do so, turn the Rotary Switch (B) until the display indicates the desired coffee strength and then press a coffee key of your choice , , , .

You can change the amount of water while the machine is brewing coffee. To do so, turn the Rotary Switch (B) until the display indicates the required amount (ML). The amount of water can be selected in increments of 5 ML.

The amounts given in ML are approximate values and may vary from the effective quantity.

8. Making special coffee

Place 1 cup under the cappuccino nozzle (4) and press the Special Coffee key . The pre-brewing process (I.P.B.A.S.) moistens the coffee powder, briefly interrupts the flow of hot water and then begins with the actual brewing process.

SPECIAL CUP

The coffee brewing process stops automatically as soon as the set amount of water has run through.

To stop the brewing process prematurely, press any of the product keys.

You can pre-select the strength of your coffee when the machine is ready to brew (DISPLAY PLEASE SELECT). To do so, turn the Rotary Switch (B) until the display indicates the desired coffee strength and then press the coffee key of your choice (key F for special coffee).

You can change the amount of water while the machine is brewing coffee. To do so, turn the Rotary Switch (B) until the display indicates the required amount (ML). The amount of water can be selected in increments of 5 ML.
The amounts given in ML are approximate values and may vary from the effective quantity.

9. Cappuccino

9.1 Making cappuccino

- Take the milk hose out of the Welcome Pack. (We recommend using the short hose with the vacuum milk container and the long hose with a milk carton). Connect the hose with the suction pipe projecting from the vacuum milk container. Then attach the other end of the hose to the cappuccino nozzle (Fig. 8).
- Turn the selector switch (1, Fig. 9) to the milk frothing range (a, Fig. 9).
- Place 1 cup under the cappuccino nozzle and press the Cappuccino key.

The machine stops drawing milk automatically as soon as the set amount of milk (in SEC) has been used.

To stop the frothing or the brewing process prematurely, press the Cappuccino key again.

You can pre-select the strength of your coffee when the machine is ready to brew (PLEASE SELECT). To do so, turn the Rotary Switch (B) until the display indicates the desired coffee strength and then press the key of your choice (E for cappuccino).

You can change the amount of milk and the amount of water while the machine is brewing coffee. To do so, turn the Rotary Switch (B) until the display indicates the required SEC (during frothing) or ML (during coffee brewing).

The amounts given in ML are approximate values and may vary from the effective quantity.

9.2 Cappuccino rinsing cycle

10 min. after having made cappuccino or frothed milk, a message on the display of your IMPRESSA will prompt you to run a cappuccino rinsing cycle.

You can also trigger a cappuccino rinsing cycle manually from the maintenance menu at any point in time (see Chapter 15.3).
9.3 Cappuccino cleaning cycle

We recommend running the cappuccino cleaning cycle daily if you make cappuccino or frothed milk.

Your IMPRESSA will not prompt you to run the cappuccino cleaning cycle. You need to activate the cappuccino cleaning cycle manually from the maintenance menu.

Please contact your authorized dealer for a JURA cappuccino cleaner that is suitable specifically for the cappuccino cleaning program of your IMPRESSA. Please note that the use of unsuitable cleaning agents may cause damage to your machine and could leave unfavourable residues in the water.

- **DISPLAY** COFFEE READY
- **GRAFIK**
  - Press the Rotary Switch (B) until you hear an acoustic signal.
- **DISPLAY** FILTER
- **GRAFIK** NO or YES
  - Turn the Rotary Switch (B) until the following message is displayed:
- **DISPLAY** MAINTENANCE
- **GRAFIK**
  - Now press the Rotary Switch (B) to start the maintenance menu.
- **DISPLAY** RINSE UNIT
- **GRAFIK**
  - Turn the Rotary Switch (B) until the following message is displayed:
- **DISPLAY** CAPPUCCINO CLEANING
- **GRAFIK**
  - Place a sufficiently large receptacle (ca. 0.5 litres) under the cappuccino nozzle (4).
  - Confirm by pressing the Rotary Switch (B).
- **DISPLAY** CLEANER FOR CAPPUCCINO
- **GRAFIK** PRESS BUTTON
  - Fill a receptacle with approx. 250 ml of fresh water and add 1 capful of cappuccino cleaning agent. Dip the milk hose into the solution (Fig.10).
  - Make sure the selector switch (1, Fig. 9) is not set to “Steam” (c, Fig. 9).
- **DISPLAY** MACHINE IS CLEANING
- **GRAFIK**
- **DISPLAY** WATER FOR CAPPUCCINO
- **GRAFIK** PRESS BUTTON
  - Fill a receptacle with fresh water and dip the milk hose into it (Fig. 10).
- **DISPLAY** MACHINE IS CLEANING
- **GRAFIK**
- **DISPLAY** COFFEE READY
- **GRAFIK**

9.4 Cleaning the cappuccino nozzle

- **GRAFIK**
  - Despite the cappuccino cleaning cycle, you should regularly disassemble the cappuccino nozzle and rinse it under running water.
  - Remove the cappuccino nozzle from the IMPRESSA and take it apart as shown in Fig. 11.
  - Thoroughly rinse all the parts of the nozzle under running water.
  - Re-assemble the cappuccino nozzle and attach it to your IMPRESSA.
10. Making hot milk

- **DISPLAY** COFFEE READY
- **GRAFIK**

Take the milk hose out of the Welcome Pack. (We recommend using the short hose with the vacuum milk container and the long hose with a milk carton). Connect the hose with the suction pipe projecting from the vacuum milk container. Then attach the other end of the hose to the cappuccino nozzle (Fig. 8).

- Turn the selector switch (1, Fig. 9) to “Milk” (b, Fig. 9).
- Place 1 cup or 1 glass under the cappuccino nozzle (4) and press the Milk key .
- **DISPLAY** MILK
- **GRAFIK** 20 SEC (example)
- The machine stops dispensing milk automatically as soon as the set amount of milk (in SEC) has been dispensed.

- **DISPLAY** COFFEE READY
- **GRAFIK**

To stop the machine dispensing milk prematurely, press any of the product keys.

- 10 min. after having made cappuccino or frothed milk, your IMPRESSA will prompt you to run a cappuccino rinsing cycle. The prompt appears on the display (see Chapter 9.2 Cappuccino rinsing cycle).

You can change the amount of milk set while the machine is dispensing milk. To do so, turn the Rotary Switch (B) until the display indicates the required SEC.

We recommend running the cappuccino cleaning cycle daily if you make cappuccino or frothed milk (see Chapter 9.3 Cappuccino cleaning cycle).

11. Making hot water

- **DISPLAY** COFFEE READY
- **GRAFIK**

Place 1 cup or 1 glass under the height-adjustable hot water spout (12) and press the Hot Water key 
- **DISPLAY** HOT WATER
- **GRAFIK** PORTION

The machine stops dispensing water automatically as soon as the programmed amount of water has been dispensed.

- **DISPLAY** COFFEE READY
- **GRAFIK**

To stop the machine dispensing hot water prematurely, press any of the product keys.

You can change the amount of water set while the machine is dispensing hot water. To do so, turn the Rotary Switch (B) until the display indicates the required amount (ML). The amount of water can be selected in increments of 5 ML.

The amounts given in ML are approximate values and may vary from the effective quantity.

12. Brewing coffee using pre-ground coffee powder

- **DISPLAY** COFFEE READY
- **GRAFIK**

Place 1 or 2 cups (as required) under the height-adjustable coffee spout (11).

Open the lid of the filler funnel for pre-ground coffee (9). It is under the bean tank cover (7).
Fill 1 or 2 level scoops of pre-ground coffee into the filler funnel for pre-ground coffee (9) (Fig. 7) and close the lid.

Then press a key of your choice ☕, ☕️, ☕️️, ☕️️️, ☕️️️️. The machine will brew the coffee with the amount of water pre-selected for it.

The coffee brewing process stops automatically as soon as the set amount of coffee has been made.

To stop the brewing process prematurely, press any of the keys.

We recommend always using powder from fresh coffee beans or pre-ground, vacuum-packed coffee. Never fill in more than 2 scoops of powder. The filler funnel is no storage tank. Make sure the coffee powder you use is not too fine. This may block the system and cause the coffee only to drip out of the coffee spout.

If you have used too little powder, the display will indicate “NOT ENOUGH”. Your IMPRESSA will stop the process and return to “COFFEE READY”.

You can also make special coffee or cappuccino using pre-ground coffee powder.

You can change the amount of water set while the machine is brewing coffee. To do so, turn the Rotary Switch (B) until the display indicates the required amount (ML). The amount of water can be selected in increments of 5 ML.

The amounts given in ML are approximate values and may vary from the effective quantity.

13. Switching the IMPRESSA off

When you switch the machine off, all the spouts that were used will be rinsed. Therefore, please make sure to place suitable receptacles under the spouts.

When switching the machine off, there may be a hissing sound. This is due to a normal process being performed by the system.

It is recommended to switch off the machine with the power switch if you intend not to use your IMPRESSA for a longer time.
14. Settings

14.1 Setting the amount of water for coffee, espresso (1 and 2 cups) and special coffee

The system’s basic settings include pre-defined amounts of water (coffee 130 ml, espresso 60 ml, 2 coffees 260 ml, 2 espressos 120 ml, special coffee 145 ml). However, these can be modified as required.

- **DISPLAY** COFFEE READY
- **GRAFIK**
- Place a cup under the respective coffee spout (17).
- Press the product key to be programmed and hold it down until the following message appears:
  - **DISPLAY** 1 COFFEE (example)
  - **GRAFIK** NORMAL (example)
- The coffee will be brewed. Keep on holding the key down until the following message is displayed:
  - **DISPLAY** ENOUGH ?
  - **GRAFIK** PRESS BUTTON
- When you have made as much coffee as you wanted, briefly press the key once more.
  - **DISPLAY** CONFIRMED
  - **GRAFIK** √
- The amount of coffee made has now been programmed for the selected type of coffee.

- **DISPLAY** COFFEE READY
- **GRAFIK**

14.2 Cappuccino setting

The system’s basic settings include pre-defined amounts of water (100 ml) and milk (15 sec.). However, these amounts can be modified as required.

- **DISPLAY** COFFEE READY
- **GRAFIK**
- Place a cup under the cappuccino nozzle (4).
- Press the Cappuccino key and hold it down until the following message appears:
  - **DISPLAY** CAPPuccINO
  - **GRAFIK** NORMAL (example)
- The cappuccino will be brewed. Keep on holding the key down until the following message is displayed:
  - **DISPLAY** ENOUGH MILK
  - **GRAFIK** PRESS BUTTON
- When the machine has dispensed as much milk as you wanted, briefly press the key once more.
  - **DISPLAY** CONFIRMED
  - **GRAFIK** √
- The amount of milk to be dispensed is now programmed.

- **DISPLAY** ENOUGH ?
- **GRAFIK** PRESS BUTTON
- When you have made as much coffee as you wanted, briefly press the key once more.
  - **DISPLAY** CONFIRMED
  - **GRAFIK** √
- The amount of coffee to be made is now programmed.

You can also make the cappuccino settings in the programming mode (see Chapter 15.6)
14.3 Milk setting
The system’s basic settings include a pre-defined amount of milk (20 sec.). However, this amount can be modified as required.

- Display COFFEE READY
- Grafik
- Place a cup under the cappuccino nozzle (4).
- Press the Milk key ↓ and hold it down until the following message appears:
  - Display MILK
  - Grafik 20 SEC (example)
- The milk will be dispensed. Keep on holding the key ↓ down until the following message is displayed:
  - Display ENOUGH MILK
  - Grafik ↑
- The amount of milk to be used is now programmed.

You can also set the amount of milk in the programming mode (see Chapter 15.7)

14.4 Setting the amount of hot water
The system’s basic settings include a pre-defined amount of water (225 ml). However, this amount can be modified as required.

- Display COFFEE READY
- Grafik
- Place a cup under the hot water spout (12).
- Press the Hot Water key ↓ and hold it down until the following message appears:
  - Display HOT WATER
  - Grafik PORTION
- Machine dispenses hot water. Keep on holding the key ↓ down until the following message is displayed:
  - Display ENOUGH WATER
  - Grafik PRESS BUTTON
- When the machine has dispensed as much hot water as you wanted, briefly press the key ↓ once more.
  - Display CONFIRMED
  - Grafik ↑
- The amount of water to be dispensed is now programmed.

15. Programming
The IMPRESSA leaves the factory with a number of default settings that allow you to make coffee without having to program the machine first. You can, however, adjust various parameters to make the coffee suit your personal taste.

The following parameters can be programmed:
- Filter
- Water hardness
- Maintenance
- Temperature
- Coffee strength
- Cappuccino
- Milk
- Save energy
- Time
- Automatic switch-on time
- Automatic switch-off time
15.1 Programming the filter

Please refer to Chapter 5 “Using the CLARIS plus filter cartridge”.

15.2 Programming your machine to the correct water hardness (only with FILTER NO)

Please refer to Chapter 4 “Adjusting your machine to the water hardness”.

15.3 Maintenance

You can activate the following maintenance functions from this program item:
RINSING MACHINE, CLEAN CAPPUCINO, CHANGE FILTER, CLEAN UNIT, RINSE CAPPUCINO, DECALCIFY MACHINE.
“DECALCIFY MACHINE” is not displayed if you are using a CLARIS plus filter and the filter is set to “Yes”.
“CHANGE FILTER” is not displayed if you are not using a CLARIS plus filter and the filter is set to “No”.

- DISPLAY COFFEE READY
- GRAFIK
- Press the Rotary Switch (B) until you hear an acoustic signal.
- DISPLAY FILTER
- GRAFIK NO or YES
- Turn the Rotary Switch (B) until the following message is displayed:

15.4 Programming the temperature for coffee, espresso, cappuccino and special coffee

You can adjust the temperature for each type of coffee separately. The temperature can be set to 3 different levels (LOW, NORMAL, HIGH).

- DISPLAY COFFEE READY
- GRAFIK
- Press the Rotary Switch (B) until you hear an acoustic signal.
- DISPLAY FILTER
- GRAFIK NO or YES
- Turn the Rotary Switch (B) until the following message is displayed:
- DISPLAY TEMPERATURE
- GRAFIK
- Press the Rotary Switch (B) to start programming.
- DISPLAY TEMPERATURE
- GRAFIK COFFEE READY
- Then press a product key of your choice.
- DISPLAY 1 ESPRESSO (example)
- GRAFIK NORMAL
15.5 Programming the coffee strength

You can adjust the strength of each individual coffee product separately. The coffee strength can be set to 5 different levels (VERY MILD ☒, MILD ☒, NORMAL ☒, STRONG ☒, XSTRONG ☒).
Press the Rotary Switch (B) until you hear an acoustic signal.

Press the Rotary Switch (B) until you hear an acoustic signal.

Turn the Rotary Switch (B) until the following message is displayed:

Press the Rotary Switch (B) until you hear an acoustic signal.

Turn the Rotary Switch (B) until the following message is displayed:

Press the Rotary Switch (B) until you hear an acoustic signal.

Press the Rotary Switch (B) until you hear an acoustic signal.

You can also set the amount of milk in the programming mode or as described in Chapter 14.3 “Milk setting”.

Now turn the Rotary Switch (B) until the following message is displayed:

Now press the Rotary Switch (B) to leave the programming mode.

Now turn the Rotary Switch (B) until the following message is displayed:

Now press the Rotary Switch (B) to leave the programming mode.

Now turn the Rotary Switch (B) until the following message is displayed:

Now turn the Rotary Switch (B) until the following message is displayed:

Now press the Rotary Switch (B) to leave the programming mode.
Now turn the Rotary Switch (B) until the following message is displayed:

**EXIT**

Now press the Rotary Switch (B) to leave the programming mode.

**COFFEE READY**

15.8 Save energy

You can set your machine to various power saving modes.

- **DISPLAY** COFFEE READY
- **GRAFIK**

Press the Rotary Switch (B) until you hear an acoustic signal.

- **DISPLAY** FILTER
- **GRAFIK** NO or YES

Turn the Rotary Switch (B) until the following message is displayed:

- **DISPLAY** ENERGY
- **GRAFIK** SAVE NO

Now press the Rotary Switch (B) to start programming.

- **DISPLAY** ENERGY
- **GRAFIK** SAVE NO

Now turn the Rotary Switch (B) until the required power saving mode is displayed.

- **DISPLAY** ENERGY
- **GRAFIK** SAVE LEVEL 2 (example)
- Confirm the selected setting by pressing the Rotary Switch (B).
- **DISPLAY** CONFIRMED
- **GRAFIK** √
- **DISPLAY** ENERGY
- **GRAFIK** SAVE LEVEL 2 (example)

Now turn the Rotary Switch (B) until the following message is displayed:

- **DISPLAY** EXIT
- **GRAFIK**

Now press the Rotary Switch (B) to leave the programming mode.

- **DISPLAY** COFFEE READY
- **GRAFIK**

**Save energy: No**

Selecting this level puts the IMPRESSA in constant stand-by mode.

This setting allows you to make coffee or frothed milk without having to wait for the machine to heat up.

This setting is useful if you make a lot of coffee and milk products and want your machine to be in stand-by all the time.

**Save energy: Level 1**

Selecting this level puts the IMPRESSA in constant stand-by mode for making coffee. The machine is heated up separately to make frothed milk.
This setting is useful if you mostly make black coffees and are prepared to wait for 1 minute before being able to froth milk.

**Save energy: Level 2**

Selecting this level does not put the IMPRESSA in stand-by mode (economy temperature). The machine heats up separately each time you make coffee or frothed milk. The machine switches to economy temperature 5 minutes after you last used it.

This setting is useful if you make very few coffees (with or without milk) and are prepared to wait 30 seconds for the machine to get ready.

### 15.9 Setting the time

You already set the time when you used the IMPRESSA for the first time. This programming option allows you to modify that setting.

- **DISPLAY** COFFEE READY
- **GRAFIK**
- Press the Rotary Switch (B) until you hear an acoustic signal.
- **DISPLAY** FILTER
- **GRAFIK** NO or YES
- Turn the Rotary Switch (B) until the following message is displayed:
- **DISPLAY** TIME
- **GRAFIK** 12:45 (example)
- Now press the Rotary Switch (B) to start programming.
- **DISPLAY** TIME
- **GRAFIK** HOURS 12:45
- Turn the Rotary Switch (B) to set the hours.
- **DISPLAY** TIME
- **GRAFIK** HOURS 13:45 (example)
- Press the Rotary Switch (B) to confirm the hours and to activate the minutes.
- **DISPLAY** TIME
- **GRAFIK** MINUTES 13:45
- Turn the Rotary Switch (B) to set the minutes.
- **DISPLAY** TIME
- **GRAFIK** 13:50 (example)
- Confirm the minutes by pressing the Rotary Switch (B).
- **DISPLAY** CONFIRMED
- **GRAFIK** √
- **DISPLAY** TIME
- **GRAFIK** 13:50
- Now turn the Rotary Switch (B) until the following message is displayed:
- **DISPLAY** EXIT
- **GRAFIK**
- Now press the Rotary Switch (B) to leave the programming mode.
- **DISPLAY** COFFEE READY
- **GRAFIK**

### 15.10 Programming the automatic switch-on time

- **DISPLAY** COFFEE READY
- **GRAFIK**
- Press the Rotary Switch (B) until you hear an acoustic signal.
- **DISPLAY** FILTER
Turn the Rotary Switch (B) until the following message is displayed:

UNIT ON

Now press the Rotary Switch (B) to start programming.

UNIT ON

Turn the Rotary Switch (B) to set the hours.

UNIT ON

Press the Rotary Switch (B) to confirm the hours and to activate the minutes.

UNIT ON

Press the Rotary Switch (B) to confirm the minutes by pressing the Rotary Switch (B).

CONFIRMED

Confirm the minutes by pressing the Rotary Switch (B).

EXIT

Now press the Rotary Switch (B) to leave the programming mode.

To deactivate the automatic switch-on time, set the time to —:—.

15.11 Programming the automatic switch-off time

Press the Rotary Switch (B) until you hear an acoustic signal.

FILTER

Turn the Rotary Switch (B) until the following message is displayed:

OFF AFTER

Turn the Rotary Switch (B) to set the switch-off time.

OFF AFTER

Confirm the automatic switch-off time by pressing the Rotary Switch (B).

CONFIRMED

Now turn the Rotary Switch (B) until the following message is displayed:

OFF AFTER

Now press the Rotary Switch (B) to leave the programming mode.
15.12 Information

This program item enables you to check the number of coffees or frothed milk you made, i.e. how often you selected a certain function, and the values that are programmed.

Press the Rotary Switch (B) to leave the programming mode.

COFFEE READY

Press the Rotary Switch (B) until you hear an acoustic signal.

FILTER

NO or YES

Turn the Rotary Switch (B) until the following message is displayed:

INFORMATION

Now press the Rotary Switch (B) to access the information menu.

1 ESPRESSO (example)

AMOUNT 50 ML (example)

Turn the Rotary Switch (B) to display any further water and milk quantities.

Finally, the number of decalcifying and cleaning cycles and filter changes are displayed.

To exit the information program, press the Rotary Switch (B).

INFORMATION

Now turn the Rotary Switch (B) until the following message is displayed:

EXIT

Now press the Rotary Switch (B) to leave the programming mode.

COFFEE READY

15.13 Renaming

This function allows you to rename the different products as well as change the welcome and end text.

Press the Rotary Switch (B) until you hear an acoustic signal.

FILTER

NO or YES

Turn the Rotary Switch (B) until the following message is displayed:

RENAME
Now press the Rotary Switch (B) to start programming.

DISPLAY RENAME

GRAFIK PRODUCT NAME

Turn the Rotary Switch further to select WELCOME MESSAGE or END MESSAGE.

Press the Rotary Switch (B).

DISPLAY PRODUCT NAME (example)

GRAFIK CHANGE

Press the Rotary Switch (B).

DISPLAY PRODUCT NAME

GRAFIK COFFEE READY

Press a key of your choice (only required for PRODUCT NAME).

DISPLAY _

GRAFIK ABCDEFG...√

Enter a text of your choice by selecting letters (highlighted in red) with the Rotary Switch (B) and confirming by pressing the Rotary Switch (B).

To confirm your text, select √ which you will find at the end of the alphabet (after the arrow).

DISPLAY MY COFFEE (example)

GRAFIK ABCDEFG.....

Confirm by pressing the Rotary Switch (B).

DISPLAY CONFIRMED

GRAFIK √

DISPLAY RENAME

GRAFIK

Now turn the Rotary Switch (B) until the following message is displayed:

DISPLAY EXIT

GRAFIK

Now press the Rotary Switch (B) to leave the programming mode.

DISPLAY COFFEE READY

GRAFIK

To reset to the original product name, select the following display and confirm.

DISPLAY PRODUCT NAME

GRAFIK RESET

You can also reset all the product names to their original names in one step. Select the following display and confirm.

DISPLAY PRODUCT NAME

GRAFIK RESET ALL

15.14 Programming the language

DISPLAY COFFEE READY

GRAFIK

Press the Rotary Switch (B) until you hear an acoustic signal.

DISPLAY FILTER

GRAFIK NO or YES

Turn the Rotary Switch (B) until the following message is displayed:

DISPLAY LANGUAGE

GRAFIK ENGLISH

Now press the Rotary Switch (B) to start programming.

DISPLAY LANGUAGE

GRAFIK ENGLISH
Turn the Rotary Switch (B) to set the language.

CONFIRMED

Confirm the selected language by pressing the Rotary Switch (B).

CONFIRMED

Now turn the Rotary Switch (B) until the following message is displayed:

PRESS THE ROTARY SWITCH TO START PROGRAMMING

Now press the Rotary Switch (B) to leave the programming mode.

COFFEE READY

15.15 Programming the display

This program item allows you to change the time format from 24 hrs. to AM/PM and the units from ml (millilitres) to oz (ounces).

Changing the units

Press the Rotary Switch (B) until you hear an acoustic signal.

Press the Rotary Switch (B) until you hear an acoustic signal.

Changing the time format

Press the Rotary Switch (B) until you hear an acoustic signal.
Turn the Rotary Switch (B) until the following message is displayed:

**DISPLAY** SETTINGS
**GRAFIK**

Now press the Rotary Switch (B) to start programming.

**DISPLAY** SETTINGS
**GRAFIK** UNIT

Turn the Rotary Switch (B).

**DISPLAY** SETTINGS
**GRAFIK** TIME FORMAT

Press the Rotary Switch (B).

**DISPLAY** SETTINGS
**GRAFIK** FORMAT 24 HRS

Turn the Rotary Switch (B) to change the format.

**DISPLAY** SETTINGS
**GRAFIK** FORMAT AM/PM

Confirm your selection by pressing the Rotary Switch (B).

**DISPLAY** CONFIRMED
**GRAFIK** √

**DISPLAY** SETTINGS
**GRAFIK**

Now turn the Rotary Switch (B) until the following message is displayed:

**DISPLAY** EXIT
**GRAFIK**

Now press the Rotary Switch (B) to leave the programming mode.

---

**DISPLAY** COFFEE READY
**GRAFIK**

16. Maintenance

16.1 Filling the water tank

**DISPLAY** WATER TANK
**GRAFIK** FILL

If this information is displayed, the machine will no longer produce coffee, hot water or milk. Refill water as described in Chapter 2.3.

**DISPLAY** COFFEE READY
**GRAFIK**

The water tank should be rinsed out and filled with fresh water daily. Always use fresh, cold water. Never fill the water tank with milk, mineral water or other liquids.

16.2 Emptying the coffee grounds

**DISPLAY** GROUNDS
**GRAFIK** EMPTY

If this information is displayed, the machine will no longer make coffee. The machine will still make hot water and frothed milk, however. Empty the coffee grounds container (3).

Carefully take out the drip tray (1) – which contains water – and the coffee grounds tray with the container (3).
Place the empty, clean drip tray (1) and the coffee grounds tray with the container (3) back into the IMPRESSA. (The coffee grounds tray must be outside the machine for at least 10 seconds).

DISPLAY COFFEE READY

16.3 Emptying the drip tray

DISPLAY TRAY

If this information is displayed, the machine will no longer make coffee, hot water or frothed milk, and the coffee grounds container must be emptied.

Carefully take out the drip tray (1) – which contains water – and the coffee grounds tray with the container (3).

DISPLAY TRAY

GRAFIK EMPTY

If this information is displayed, the machine will no longer make coffee, hot water or frothed milk, and the coffee grounds container must be emptied.

16.4 Drip tray missing

DISPLAY TRAY

GRAFIK MISSING

If this information is displayed, the machine will no longer make coffee, hot water or frothed milk. The drip tray (1) has not been installed or not been installed properly.

16.5 Grounds container missing

DISPLAY COFFEE BIN

GRAFIK MISSING

If this information is displayed, the machine will no longer make coffee, hot water or frothed milk. The drip tray (3) has not been installed or not been installed properly.

Insert the drip tray (1).

DISPLAY COFFEE READY

GRAFIK

16.6 Filling the bean tank

DISPLAY COFFEE READY

GRAFIK FILL BEANS

If this information is displayed, the machine will no longer make coffee. The machine will still make hot water and frothed milk, however. Refill beans as described in Chapter 2.4.

Insert the drip tray (3).

DISPLAY COFFEE READY

GRAFIK

Insert the drip tray (3).

DISPLAY COFFEE READY

GRAFIK
16.7 Aroma preservation cover missing

- **DISPLAY** BEANCOVER
- **GRAFIK** MISSING

If this information is displayed, the machine will no longer make coffee. The machine will still make hot water and frothed milk, however. The aroma preservation cover (8) has not been installed or not been installed properly.

- Install the aroma preservation cover (8).
- **DISPLAY** COFFEE READY
- **GRAFIK**

16.8 Removing stones from the grinding gear

- Switch the machine off using the ON / OFF key (A).
- Turn the power switch (15) off.
- Open the cover of the bean tank (7) and remove the aroma preservation cover (8).
- Remove any beans with a vacuum cleaner.
- Insert the key (Fig. 12).
- Now turn the key counter-clockwise until the jammed stone is released.
- Remove any remaining powder with a vacuum cleaner.
- Fill up with fresh beans.

16.9 Changing the filter

- After having used 50 litres of water or after two months, the filter cartridge will be used up. The display will prompt you to change the filter.

Refer to Chapter 5.2 “Changing the filter”.

16.10 Information about cleaning cycle

After having dispensed 220 products or after 160 rinsing cycles, the IMPRESSA must be cleaned. You will be informed of this by a message on the display. The machine will still make coffee, hot water and frothed milk. However, we recommend that you should run the cleaning cycle (Chapter 17) within the next few days.

- **DISPLAY** COFFEE READY
- **GRAFIK** CLEAN

After the machine has dispensed another 30 products, the display begins to flash. You should run the cleaning cycle now (Chapter 17).

- **DISPLAY** COFFEE READY
- **GRAFIK** CLEAN (flashing)

After another 10 products, the display will change. Please run the cleaning cycle immediately (see Chapter 17).

- **DISPLAY** CLEAN NOW
- **GRAFIK** CLEAN (flashing)

16.11 Information about decalify

Lime scale builds up in the IMPRESSA as a result of normal use. The degree of calcification depends on the hardness of the water you use. The IMPRESSA X5 recognizes when you should run a decalifying cycle. The machine will still make coffee, hot water and frothed milk. However, we recommend that you should decalify the machine (Chapter 18) within the next few days.

- **DISPLAY** COFFEE READY
- **GRAFIK** DESCAL
After a while the display will begin to flash. You should run the decalcifying cycle now (Chapter 18).

- **DISPLAY** COFFEE READY
- **GRAFIK** DESCALE (flashing)

After a while the display will change if you have still not decalcified the machine. Please run the decalcifying cycle immediately (see Chapter 18).

- **DISPLAY** DECALCIFY NOW
- **GRAFIK** DESCALE (flashing)

### 16.12 Emptying the system

**Requirements:** The IMPRESSA has been switched off with the ON / OFF key (A), but the power switch is still turned on.

This is necessary to protect the machine against damage occurring during transport as a result of frost.

- Place a receptacle each under the height-adjustable hot water spout (12) and under the cappuccino nozzle (4).
- Take out the water tank (Fig. 1).
- Press the maintenance key (C) until the following message appears:
  - **DISPLAY** SYS EMPTY
  - **GRAFIK**
- When the process has been completed, the IMPRESSA X5 switches itself off.

Next time you switch on the machine, the display will read PRESS MAINT., meaning that the system needs to be filled with water. Please refer to Chapter 3 “First use”.

### 17. Cleaning

The IMPRESSA features an integrated cleaning program. The process takes approx. 15 minutes.

- Please contact your authorized dealer for JURA cleaning tablets that are suitable specifically for the cleaning program of your IMPRESSA. Please note that the use of unsuitable cleaning agents may cause damage to your machine and could leave unfavourable residues in the water.

- Once started, the cleaning process must not be interrupted.

- When the cleaning program has finished, take out the removable coffee powder tank (9) and briefly rinse it under running water.

- **DISPLAY** COFFEE READY
- **GRAFIK** CLEAN
- Press the maintenance key (C).
- **DISPLAY** TRAY / GROUNDS
- **GRAFIK** EMPTY
- Empty the drip tray (1) and the coffee grounds tray with the container (3).
- **DISPLAY** TRAY
- **GRAFIK** MISSING
- Place the empty, clean drip tray (1) and the coffee grounds tray with the container (3) back into the IMPRESSA.
- **DISPLAY**
- **GRAFIK** PRESS BUTTON
- Place a sufficiently large receptacle (ca. 0.5 litres) each under the height-adjustable coffee spout (11) and under the cappuccino nozzle (4).
Press the maintenance key (C).

**DISPLAY** MACHINE IS CLEANING

**GRAFIK**

You will hear an acoustic signal.

**DISPLAY** ADD TABLET

**GRAFIK**

Open the lid of the filler funnel for pre-ground coffee (9). It is under the bean tank cover (7).

Drop a cleaning tablet inside (Fig. 5) and close the lid.

**DISPLAY**

**GRAFIK** PRESS BUTTON

Press the maintenance key (C).

**DISPLAY** MACHINE IS CLEANING

**GRAFIK**

You will hear an acoustic signal.

**DISPLAY** TRAY / GROUNDS

**GRAFIK** EMPTY

Empty the drip tray (1) and the coffee grounds tray with the container (3).

**DISPLAY** TRAY

**GRAFIK** MISSING

Place the empty, clean drip tray (1) and the coffee grounds tray with the container (3) back into the IMPRESSA.

**DISPLAY** COFFEE READY

**GRAFIK**

You can also trigger a cleaning cycle manually from the maintenance menu at any point in time (see Chapter 15.3).

---

## 18. Decalcifying

The IMPRESSA features an integrated decalcifying program. The process takes approx. 50 minutes.

⚠️ Lime scale builds up in the IMPRESSA as a result of normal use. The degree of calcification depends on the hardness of the water you use. The IMPRESSA recognizes when you should run a decalcifying cycle. The machine will still make coffee, frothed milk and hot water. However, we recommend that you should decalcify the machine within a few days after the message was displayed.

⚠️ Please contact your authorized dealer for JURA decalcifying tablets that are suitable specifically for the decalcifying program of your IMPRESSA. Please note that the use of unsuitable decalcifying agents may cause damage to your machine and could leave unfavourable residues in the water.

⚠️ Remove any splashes or drops of the decalcifying agent from sensitive surfaces, in particular surfaces made of natural stone or wood, or take appropriate preventive measures.

⚠️ Once started, the decalcifying program must not be interrupted.

⚠️ Always wait until the decalcifying agent has been used up and the tank is empty. Never fill in additional descaling agent.

**DISPLAY** COFFEE READY

**GRAFIK** DESCALE

Press the maintenance key (C).

**DISPLAY** TRAY / GROUNDS

**GRAFIK** EMPTY
Empty the drip tray (1) and the coffee grounds tray with the container (3).

DISPLAY TRAY
GRAFIK MISSING

Place the empty, clean drip tray (1) and the coffee grounds tray with the container (3) back into the IMPRESSA X5.

DISPLAY SOLVENT IN TANK
GRAFIK PRESS BUTTON

Remove the water tank from the machine. Empty out any remaining water.

Completely dissolve the content of one blister (3 tablets) in a receptacle containing 0.6 litres of water, and pour the mixture into the water tank. Place the water tank back into the machine.

DISPLAY SOLVENT IN TANK
GRAFIK PRESS BUTTON

Remove the cappuccino nozzle (4) from the machine (Fig. 14).

Place a receptacle each under the height-adjustable hot water spout (12) and under the connecting parts of the nozzle (use tall receptacle). Press the maintenance key (C).

MACHINE IS DECALCIFYING

You will hear an acoustic signal.

DISPLAY TRAY / GROUNDS
GRAFIK EMPTY

Empty the drip tray (1) and the coffee grounds tray with the container (3).

DISPLAY TRAY
GRAFIK MISSING

Place the empty, clean drip tray (1) and the coffee grounds tray with the container (3) back into the IMPRESSA.

DISPLAY WATER TANK
GRAFIK FILL

Thoroughly rinse out the water tank and fill it with fresh cold tap water. Then place it back into the IMPRESSA.

DISPLAY
GRAFIK PRESS BUTTON

Re-assemble the cappuccino nozzle.

Place a cup each under the height-adjustable hot water spout (12) and the cappuccino nozzle (4), and press the maintenance key (C).

DISPLAY MACHINE IS DECALCIFYING
GRAFIK
DISPLAY UNIT IS HEATING
GRAFIK

After the machine has heated up, it will automatically perform a rinsing cycle.

DISPLAY RINSING
GRAFIK

You will hear an acoustic signal.

DISPLAY TRAY / GROUNDS
GRAFIK EMPTY

Empty the drip tray (1) and the coffee grounds tray with the container (3).

DISPLAY TRAY
GRAFIK MISSING

Place the empty, clean drip tray (1) and the coffee grounds tray with the container (3) back into the IMPRESSA.

DISPLAY COFFEE READY
GRAFIK
You can also trigger a decalcifying cycle manually from the maintenance menu at any point in time (see Chapter 15.3).

19. Disposal

Please dispose of old machines in an environmentally compatible way
Old machines contain valuable materials capable of being recycled which should be salvaged for recycling. Please therefore dispose of old machines via suitable collection systems.

20. Tips for perfect coffee

Height-adjustable coffee spout (11)
You can adjust the height of the coffee spout to the size of your cups.

Grinding degree
Refer to Chapter 2.5 “Adjusting the grinding gear”.

Preheating cups
You can preheat the cups with hot water. The smaller the quantity of coffee you make, the more important preheating is.

Sugar and cream
Stirring coffee/tea will result in heat being released. Adding refrigerated cream or milk will reduce the temperature of the coffee significantly.
# 21. Problems

<table>
<thead>
<tr>
<th>Problem</th>
<th>Cause</th>
<th>Remedy</th>
</tr>
</thead>
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<td>Very loud noise coming from the grinding gear</td>
<td>Foreign body in grinding gear</td>
<td>Please refer to Chapter 16.8</td>
</tr>
<tr>
<td>Frothing spout squirts</td>
<td>Milk hose not properly attached</td>
<td>Make sure the milk hose is properly attached</td>
</tr>
<tr>
<td>Too little froth when frothing milk</td>
<td>Cappuccino nozzle clogged</td>
<td>Clean nozzle (Chapter 9.4)</td>
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<tr>
<td>Coffee only drips from the coffee spout</td>
<td>Grinding degree too fine</td>
<td>Adjust grinding gear to coarser grind</td>
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<tr>
<td></td>
<td>Pre-ground coffee too fine</td>
<td>Use a coarser type of pre-ground coffee</td>
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<tr>
<td>Message: Display constantly indicates ‘Empty tray’</td>
<td>Soiled metal contacts at rear of drip tray</td>
<td>Clean metal contacts</td>
</tr>
<tr>
<td>‘Fill beans’ not displayed despite empty bean tank</td>
<td>Bean monitoring system soiled</td>
<td>Clean bean tank (dry)</td>
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</table>
22. Legal information

These operating instructions contain all the information required for using, operating and maintaining the machine properly. Knowledge of and compliance with the specifications contained in these operating instructions is required for using the machine safely as well as for operational safety and safety during maintenance. These operating instructions cannot cover any conceivable application. The machine was designed for private household use. Additionally we point out that the content of these operating instructions does not form part of any previous or existing agreement, consent or al legal relationship nor does it constitute a change of such an agreement, consent or legal relationship. Any obligations to be fulfilled by JURA Elektroapparate AG are stipulated in the corresponding purchase contract, which also contains the full and solely applicable warranty stipulations. These contractual warranty stipulations are neither extended nor limited by the specifications contained in these operating instructions. The operating instructions contain information, protected by Copyright. Photocopying or translations into other languages shall not be permissible without JURA Elektroapparate AG’s written approval.

23. Technical data

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage:</td>
<td>230V AC</td>
</tr>
<tr>
<td>Power:</td>
<td>1350 W</td>
</tr>
<tr>
<td>Fuse:</td>
<td>10 A</td>
</tr>
<tr>
<td>Safety check:</td>
<td>€</td>
</tr>
<tr>
<td>Energy consumption level no:</td>
<td>23 Wh</td>
</tr>
<tr>
<td>Energy consumption level 1:</td>
<td>16 Wh</td>
</tr>
<tr>
<td>Energy consumption level 2:</td>
<td>14 Wh</td>
</tr>
<tr>
<td>Pump pressure:</td>
<td>static, max. 15 bar</td>
</tr>
<tr>
<td>Water tank:</td>
<td>2.8 liter</td>
</tr>
<tr>
<td>Bean tank capacity:</td>
<td>280 gr.</td>
</tr>
<tr>
<td>Coffee grounds container capacity:</td>
<td>max. 20 portions</td>
</tr>
<tr>
<td>Milk container capacity:</td>
<td>1 liter</td>
</tr>
<tr>
<td>Length of cable:</td>
<td>approx. 1.1 m</td>
</tr>
<tr>
<td>Weight:</td>
<td>13.3 kg</td>
</tr>
<tr>
<td>Size (WxHxD):</td>
<td>31 x 37 x 43.5 cm</td>
</tr>
</tbody>
</table>

The machine complies with the following EU directives:
89/336/EWG dated 03/05/1989 "EMC Directive" including Modification Directive 92/31/EWG