

jura®



Figure: Your machine may look different to the one shown.

E8 Instructions for Use



For your safety: read and understand manual before use.

Your E8

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Symbol description

Warnings



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION

CAUTION, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE

NOTICE is used to address practices not related to personal injury.

Symbols used



Prompt to take action. This symbol means that you are being prompted to perform some action.



Information and tips to make it even easier to use your JURA.



Display message

IMPORTANT SAFEGUARDS

Follow the basic safety precautions

When using electrical appliances, basic safety precautions shall always be followed, to reduce the risk of fire, electric shock, and/or injury to persons, including the following:

- Read all instructions.
- Do not touch hot surfaces. Use handles or knobs.
- To protect against fire, electric shock and injury to persons, do not immerse power cord, plugs, or body of machine in water or other liquid.
- Close supervision is necessary when any appliance is used by or near children.
- Unplug from outlet when not in use and before cleaning. Allow to cool before putting on or taking off parts, and before cleaning the appliance.
- Do not operate any appliance with a damaged cord or plug or after the appliance malfunctions, or has been damaged in any manner. Return appliance to the nearest authorized service facility for examination, repair or adjustment.
- The use of an accessory attachment not recommended by the appliance manufacturer may result in fire, electric shock, or injury to persons.
- Do not use outdoors.
- Do not let the cord hang over the edge of a table or counter, or touch hot surfaces.
- Do not place on or near a hot gas or electric burner, or in a heated oven.
- To disconnect, turn any control to 'OFF' then remove plug from wall outlet.
- Do not use appliance for other than intended use.
- Use extreme caution when dispensing hot steam, hot water or hot coffee.
- For household use only.

SAVE THESE INSTRUCTIONS.

Pass them on to any subsequent user.

Intended use The appliance is designed and intended for household use only. It shall only be used for coffee preparation and to heat milk and water, according to these instructions. Use for any other purpose will be deemed improper. JURA Elektroapparate AG cannot accept any responsibility for the consequences of improper use.

People, including children, who

- do not have the physical, sensory or mental capabilities to use the appliance safely or
- are inexperienced or lack knowledge in how to use the appliance safely

must be supervised by a responsible person when using it, or must be instructed in how to use it correctly.

Special power cord set instructions

- A short power-supply cord is to be provided to reduce risks resulting from becoming entangled in or tripping over a longer cord.
- The cord shall be arranged so that it will not drape over the counter top or table top where it can be pulled on by children or tripped over.
- This appliance has a 3-pin grounded plug.
- Do not modify the plug in any way.

Extension cords are available and may be used if care is exercised in their use.

If the user chooses to use an extension cord,

- the marked electrical rating of the extension cord should be at least as great as the electrical rating of the appliance, and
- if the appliance is of the grounded type, the extension cord should be a grounding type 3-wire cord, and
- the longer cord should be arranged so that it will not drape over the counter top or tabletop where it can be pulled on by children or tripped over.

 WARNING



To reduce the risk of fire or electric shock, DO NOT remove any service covers. DO NOT modify the appliance in any way that is not described in these instructions. NO user serviceable parts included. Repair MUST be done by authorized personnel only.

In the event of signs of damage, for example if there is a smell of burning, unplug the machine immediately from outlet and contact JURA customer service.

IMPORTANT SAFEGUARDS

⚠ CAUTION

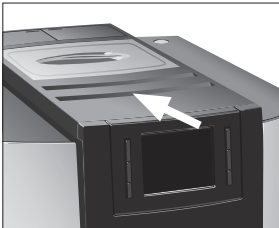
This appliance is for household use. Any servicing other than cleaning and user maintenance shall be performed by an authorized service representative:

- Do not immerse base in water or try to disassemble.
- Do not put the appliance or any individual parts in the dishwasher.
- Check voltage to be sure that the voltage indicated on the name plate complies with your voltage. The name plate is located on the underside of the appliance.
- Never use warm or hot water to fill the water container. Use cold water only.
- Keep your hands and the cord away from hot parts of the appliance during operation.

There is a risk of scalds or burns on the spouts and the cappuccino frother / nozzle.

- Keep children away.
- Do not touch any hot parts. Use the handles or knobs provided.
- Ensure that the cappuccino frother / nozzle is correctly fitted and clean. If incorrectly fitted or if they become blocked, the cappuccino frother or its parts might come off.
- Never clean with scouring powders or hard implements.
- Ensure that the ventilation slots are not covered.
- Never pull out the drip tray during the brewing process. Only pull the drip tray when the display instructs you or when the appliance is ready for use.

NOTICE



NEVER DO
(or you will void your
warranty protection):

- Never fill instant coffee, chocolate mix etc. into the bean container or ground coffee funnel (filler funnel for ground coffee). It will damage the functioning of the brewing chamber.
- Never fill sugar coated coffee beans into the bean container. In case of doubt, call your dealer.
- Never fill anything other than coffee beans into the bean container (no chocolate, no rice, no nuts, no spices, nothing other than roasted coffee beans).
- Never fill frozen beans into the bean container. If you store beans in the freezer, let them thaw 3 to 4 hours before filling them into the bean container.
- Never fill anything but fresh, cold and clean water into the water tank, except when decalcifying.
- Never use mineral or carbonated water. You can use tap water, bottled water, spring water and reverse osmosis water.
- Never do anything with the machine which is not described in these instructions. In case of doubt, call your dealer.

Control elements

Control elements

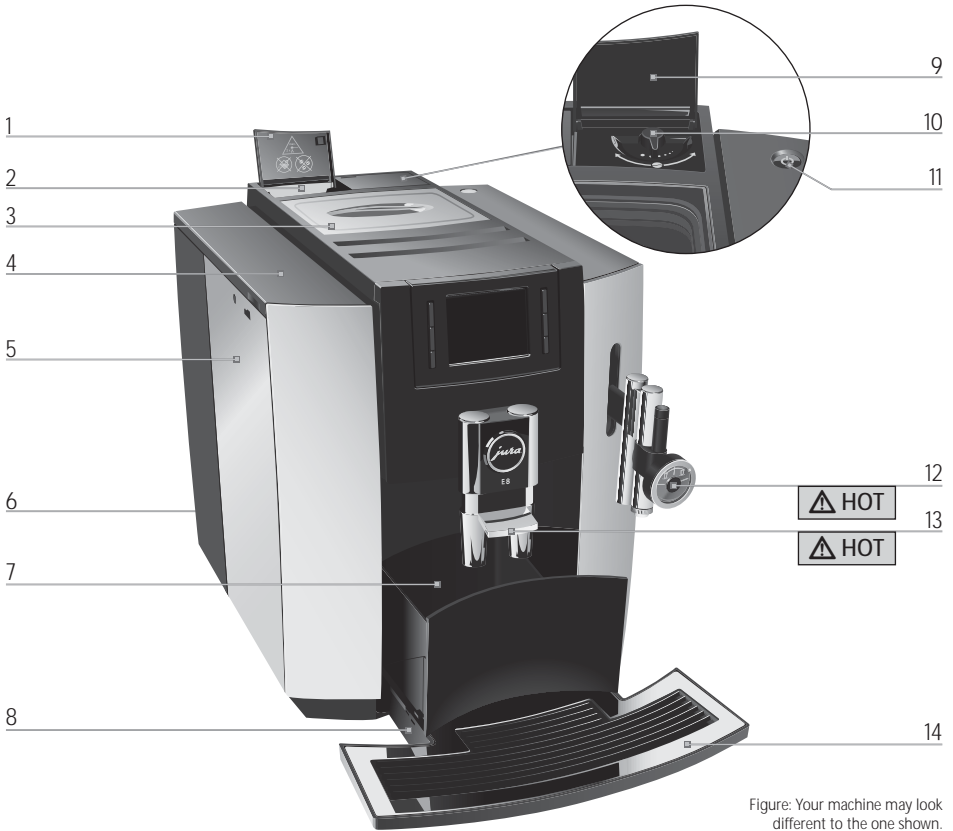



Figure: Your machine may look different to the one shown.

- 1 Filler funnel cover
- 2 Filler funnel for ground coffee
- 3 Bean container with aroma preservation cover
- 4 Water tank cover
- 5 Water tank
- 6 Power cord (back of the machine)
- 7 Coffee grounds container
- 8 Drip tray

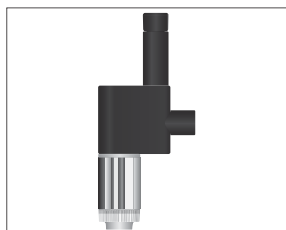
- 9 Cover cap for grinder adjustment switch
- 10 Grinder adjustment switch
- 11 On/Off button 
- 12 Connector System® with professional fine foam frother
- 13 Height-adjustable coffee spout
- 14 Cup platform



1 Display

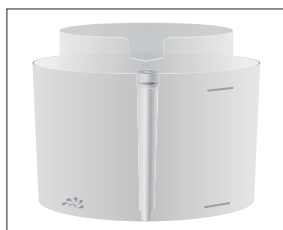
2 Multi-function buttons (button function depends on what is shown in the display)

Fine foam frother (used in different model variants)

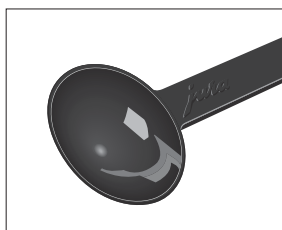


Accessories

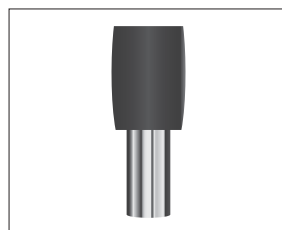
Container for milk system cleaning



Measuring spoon for ground coffee



Hot-water nozzle



1 Preparing and using for the first time

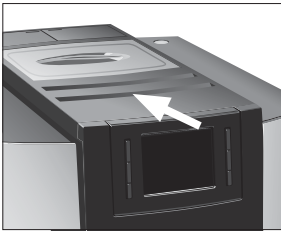
JURA on the Internet

Visit us on the Internet (www.jura.com). You will find interesting and up-to-date information on your JURA and on every aspect of coffee.

Setting up the machine

When setting up your JURA, please note the following:

- Place the JURA on a horizontal surface that is not sensitive to water.
- Choose a spot for your JURA which protects the machine against overheating. Ensure that the ventilation slots are not covered.



Filling the bean container

CAUTION

Coffee beans which have been treated with additives (e.g. sugar), ground coffee or freeze-dried coffee will damage the grinder.

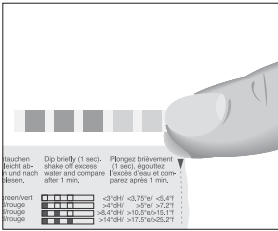
- ▶ Only use roasted, untreated coffee beans to fill the bean container.

-
- ▶ Remove the aroma preservation cover.
 - ▶ Remove any dirt or foreign objects from inside the bean container.
 - ▶ Fill the bean container with coffee beans and close the aroma preservation cover.

Determining the water hardness

When you use the machine for the first time, you must set the water hardness. If you do not know the hardness of your water, you can find this out first. Use the Aquadur® test strips supplied with the machine.

- ▶ Hold the test strip briefly (for 1 second) under flowing water. Shake off the water.
- ▶ Wait for about 1 minute.



► You will then be able to read the degree of water hardness from the discoloration of the Aquadur® test strip and the description on the packaging.

Level	Display German Degree (°dH)	Degrees of general hardness (°dGH)	Parts per million (ppm)	Indicator Strip number of 'reddish' fields
Not active	–	–	–	–
Very soft water	<3	<3	< 53.4	None
Soft water	> 4	> 4	> 71	1
Hard water	> 8.4	> 8.4	> 150	2
Very hard water	> 14	> 14	> 250	3

First-time use

When using the machine for the first time, you can choose whether you want to operate JURA **with** or **without** the CLEARLY Smart filter cartridge. If the water hardness is 10 °dH or more, we recommend using the filter cartridge.


⚠ WARNING

If the machine is operated with a defective power cord, there is a danger of potentially fatal electric shock.

- Never use a machine which is damaged.
- Never use a machine which has a defective power cord.

i The water volume is given as standard in 'oz'. You can change this setting to 'ml' in programming mode (see Chapter 4 'Permanent settings in programming mode – Unit for amount of water').

Precondition: The bean container has been filled.

- Insert the power plug into a power socket.
 - Press the On/Off button  to switch the JURA on.
- 'Choose language'

i To display more languages, press the '>' button (bottom right).

1 Preparing and using for the first time

- ▶ Press the button that corresponds to the language you want, e.g. 'English'.
'Saved' appears briefly on the display to confirm the setting.
'Water hardness'

i If you do not know the hardness of your water, you must find this out first (see Chapter 1 'Preparing and using for the first time – Determining the water hardness').

- ▶ Press the '<' or '>' button to change the water hardness setting, for example to '25 °dH'.
- ▶ Press the 'Save' button.
'Saved' appears briefly on the display.
'Use filter'

i Now decide whether you want to operate your JURA **with** or **without** a CLEARLYL Smart filter cartridge.

Operation **with** filter cartridge: go straight to the next section (see Chapter 1 'Preparing and using for the first time – First-time use with filter cartridge activation').

Operation **without** filter cartridge (see Chapter 1 'Preparing and using for the first time – First-time use without filter cartridge activation').

First-time use with filter cartridge activation

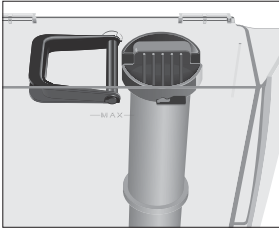
NOTICE

Milk, sparkling mineral water or other liquids can damage the water tank or the machine.

- ▶ Only fill the water tank with fresh, cold water.



- ▶ Place a receptacle (at least 10 oz or 300 ml) under the professional fine foam frother.
- ▶ Remove the water tank and rinse it with cold water.
- ▶ Fit the filter cartridge extension supplied on top of a CLEARLYL Smart filter cartridge.



- ▶ Insert the filter cartridge with its extension into the water tank.
- ▶ Turn the filter cartridge clockwise until it audibly clicks into place.
- ▶ Fill the water tank with fresh, cold water and reinsert the tank.

i The machine automatically detects that you have just inserted the filter cartridge.

'Use filter' / 'Saved'

'Filter is being rinsed', water flows out of the professional fine foam frother.

Rinsing of the filter stops automatically after approximately 10 oz (300 ml).

'System is filling', the system fills up with water.

'Empty drip tray'

- ▶ Empty the drip tray and coffee grounds container and put them back into the machine.

'Machine is rinsing', the system is rinsed. Water flows out of the coffee spout. The rinse stops automatically. Your JURA is ready for use.

i The start screen shows the products you can prepare. Press the '>' button to display more products.

i If the filter is active, this is indicated by a blue filter symbol at the bottom of the display.

First-time use without filter cartridge activation

NOTICE Milk, sparkling mineral water or other liquids can damage the water tank or the machine.

- ▶ Only fill the water tank with fresh, cold water.
-

- ▶ Press the 'No filter' button.

'Saved' appears briefly on the display.

'Fill water tank'

1 Preparing and using for the first time



- ▶ Place one receptacle under the coffee spout and another under the professional fine foam frother.



- ▶ Remove the water tank and rinse it with cold water.
- ▶ Fill the water tank with fresh, cold water and reinsert the tank.

'System is filling', the system fills up with water.

'Machine is heating'

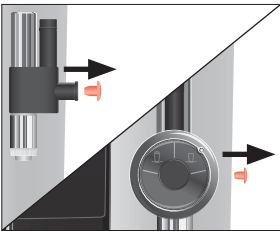
'Machine is rinsing', water flows out of the coffee spout. The rinse stops automatically. Your JURA is ready for use.

- i** The start screen shows the products you can prepare. Press the '>' button to display more products.

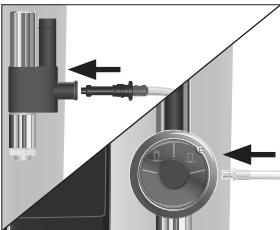
Connecting milk

Your JURA creates fine, creamy, feather-light milk foam with a perfect consistency. The most important requirement for frothing milk is a milk temperature of 39–46 °F (4–8 °C). We would therefore recommend using a milk cooler or a vacuum milk container.

- ▶ Remove the protective cover from the professional fine foam frother.



- ▶ Connect the milk pipe to the professional fine foam frother.
- ▶ Connect the other end of the milk pipe to a milk container or immerse it in a milk carton.



2 Preparation

WARNING

Hot coffee, hot steam and hot water can cause scalding. Scalding is a serious burn.

- ▶ Use extreme care when handling hot liquid or steam.
- ▶ Allow liquid to cool down before drinking.
- ▶ In the event of scalding, rinse affected area with cold water and seek medical attention.
- ▶ Keep children AWAY.

-
- i** The display shows four products you can prepare. Press the ‘>’ button to display more products.
 - i** You can stop the machine at any time while a specialty coffee or hot water is being prepared. Just press any button.
 - i** During the grinding operation you can select the coffee strength of **single products** by pressing the ‘<’ and ‘>’ buttons.
 - i** During preparation you can change the preset **amounts** (e.g. water and amount of milk) by pressing the ‘<’ and ‘>’ buttons.
 - i** The water volume is given as standard in ‘oz’. You can change this setting to ‘ml’ in programming mode (see Chapter 4 ‘Permanent settings in programming mode – Unit for amount of water’).

Coffee tastes best served hot. A cold porcelain cup cools the beverage – and impairs the taste. We therefore recommend prewarming the cups. The full coffee aroma can develop only in prewarmed cups. You can purchase a JURA cup warmer from your specialized dealer.

You can make **permanent settings** for all products in programming mode (see Chapter 4 ‘Permanent settings in programming mode – Adjusting the product settings’).

Latte macchiato, cappuccino and other specialty coffees with milk




Your JURA prepares latte macchiato, cappuccino and flat white at the touch of a button. There is no need to move the glass or cup.

Example: Proceed as follows to prepare one latte macchiato.

Precondition: The specialty coffees with milk are displayed. Milk is connected to the professional fine foam frother.

- ▶ Place a glass under the professional fine foam frother.

i If you are using the **professional fine foam frother**, turn the selector switch to the Milk Foam position .

- ▶ Press the 'Latte macchiato' button.

'Latte macchiato' appears and the preset amount of milk foam flows into the glass.

i There is a short interval while the hot milk separates from the milk foam. This allows the typical layers of a latte macchiato to form. You can choose the length of this interval in programming mode (see Chapter 4 'Permanent settings in programming mode – Adjusting the product settings').

Coffee preparation starts. The preset amount of water for espresso flows into the glass. Preparation stops automatically. Your JURA is once more ready for use.

To ensure that the professional fine foam frother always works properly, you must clean it **daily** when you have been preparing milk (see Chapter 5 'Maintenance – Cleaning the professional fine foam frother').

Ristretto, espresso and coffee



Example: Proceed as follows to prepare one coffee.

Precondition: The specialty coffees are displayed.

- ▶ Place a cup under the coffee spout.
- ▶ Press the 'Coffee' button.

Preparation starts. 'Coffee' and the coffee strength are displayed. The preset amount of water for coffee flows into the cup.

Preparation stops automatically. Your JURA is once more ready for use.

Two ristretti, two espressi and two coffees



To prepare **two** specialty coffees, press the appropriate preparation button twice (within approximately 1 second).

Example: Proceed as follows to prepare two espressi.

Precondition: The specialty coffees are displayed.

- ▶ Place two cups under the coffee spout.
- ▶ Press the **'Espresso'** button **twice (within 1 second)** to start preparation.

'2 espressi' appears and the preset amount of water flows into the cups.

Preparation stops automatically. Your JURA is once more ready for use.


Milk foam




Example: Proceed as follows to prepare milk foam.

Precondition: The specialty coffees with milk are displayed. Milk is connected to the professional fine foam frother.

- ▶ Place a cup under the professional fine foam frother.

i If you are using the **professional fine foam frother**, turn the selector switch to the Milk Foam position .

i If you want to **heat the milk** turn the setting wheel of the professional cappuccino frother to the Milk position .

- ▶ Press the **'Milk foam'** button.

The milk foam is prepared. The preset amount of milk flows into the cup.

Preparation stops automatically. Your JURA is once more ready for use.

To ensure that the professional fine foam frother always works properly, you must clean it **daily** when you have been preparing milk (see Chapter 5 'Maintenance – Cleaning the professional fine foam frother').

Ground coffee

You can choose to use a second coffee variety, for example decaffeinated coffee, with the filter funnel for ground coffee.

- i** Never add more than two level measuring spoons of ground coffee.
- i** Use ground coffee which is not ground too finely. Very fine coffee can block up the system so that the coffee only comes out in drips.
- i** If you did not fill the machine with a sufficient amount of ground coffee, 'Not enough ground coffee' is displayed and the JURA stops the operation.
- i** The desired specialty coffee must be prepared within approximately one minute after filling with the ground coffee. Otherwise the JURA stops the operation and is once more ready for use.

All specialty coffees with ground coffee are always prepared following the same model.

Example: Proceed as follows to prepare one espresso using ground coffee.

Precondition: The specialty coffees are displayed.

- ▶ Place an espresso cup under the coffee spout.
- ▶ Open the powder chute cover.
'Ground coffee' / 'Please add ground coffee'
- ▶ Place one level measuring spoon of ground coffee into the filler funnel.
- ▶ Close the cover of the filler funnel.
- ▶ Press the 'Espresso' button.
Preparation starts. 'Espresso' appears and the preset amount of water for espresso flows into the cup.
Preparation stops automatically. Your JURA is once more ready for use.



Permanently setting the amount of water for the cup size

It is easy to permanently adjust the amount of water for all **single products** to the cup size. Adjust the amount once as shown in the following example. Every time you prepare a drink in the future, this amount will be dispensed.



Example: Proceed as follows to **permanently** set the amount of water for one coffee.

Precondition: The specialty coffees are displayed.

- ▶ Place a cup under the coffee spout.
- ▶ Press and **hold** the 'Coffee' button until 'Enough coffee? Press button' appears.
- ▶ Release the 'Coffee' button.
Preparation starts and the coffee flows into the cup.
- ▶ Press any button except 'Cancel' as soon as there is sufficient coffee in the cup.
Preparation stops. 'Saved' appears briefly on the display. The set amount of water for one coffee is permanently stored. Your JURA is once more ready for use.

- i** You can alter this setting at any time by repeating the above procedure.
- i** You can also permanently set the amounts for all single products in programming mode (see Chapter 4 'Permanent settings in programming mode – Adjusting the product settings').

Adjusting the grinder

You can adjust the grinder on a continuous scale to suit the degree of roast of your coffee.

CAUTION

If you adjust the consistency of grind when the grinder is not operating, the grinder adjustment switch could be damaged.

- ▶ Only adjust the consistency of grind when the grinder is running.

The consistency of grind is correct if the coffee flows regularly from the coffee spout. In addition a fine, thick crema forms.

Example: Proceed as follows to change the consistency of grind **during** the preparation of an espresso.

- ▶ Place a cup under the coffee spout.
- ▶ Open the cover of the grinder adjustment switch.
- ▶ Press the 'Espresso' button to start preparation.

2 Preparation



- ▶ Turn the grinder adjustment switch to the desired position **while** the grinder is running.
The preset amount of water flows into the cup. Preparation stops automatically.
- ▶ Close the cover of the grinder adjustment switch.

Hot water

CAUTION

To obtain a perfect water flow, use the hot-water nozzle.

There is a danger of scalding from hot water splashes.

- ▶ Avoid direct contact with the skin.
-



Precondition: The specialty coffees are displayed.

- ▶ Place a cup under the hot-water nozzle.
- ▶ Press the **'Hot water'** button.
'Hot water', the preset amount of water flows into the cup. Preparation stops automatically. Your JURA is once more ready for use.

3 Daily operation

Filling the water tank

Daily maintenance of the machine and hygiene when handling milk, coffee and water are key to a perfect coffee result in the cup every time. You should therefore change the water **daily**.

NOTICE

Milk, sparkling mineral water or other liquids can damage the water tank or the machine.


- ▶ Only fill the water tank with fresh, cold water.



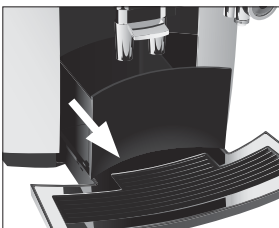
- ▶ Open the water tank cover.
- ▶ Remove the water tank and rinse it with cold water.
- ▶ Fill the water tank with fresh, cold water and reinsert the tank.
- ▶ Close the water tank cover.

Switching on the machine



- ▶ Place a receptacle under the coffee spout.
- ▶ Press the On/Off button  to switch the JURA on.
'Welcome to JURA'
'Machine is heating'
'Machine is rinsing', the system is rinsed. The rinse stops automatically. Your JURA is ready for use.

Daily maintenance



To ensure that you get many years of reliable service out of your JURA and to guarantee the optimum coffee quality, the machine requires daily maintenance.

- ▶ Pull out the drip tray.
- ▶ Empty the coffee grounds container and the drip tray. Rinse them both with warm water.

i Always empty the coffee grounds container when the machine is **switched on**. This is the only way of resetting the coffee grounds counter.

- ▶ Refit the coffee grounds container and the drip tray.
- ▶ Rinse the water tank with clean water.

3 Daily operation

- ▶ Clean the professional fine foam frother (see Chapter 5 'Maintenance – Cleaning the professional fine foam frother').
- ▶ Remove the milk pipe and rinse it thoroughly under running water.
- ▶ Dismantle and rinse the professional fine foam frother (see Chapter 5 'Maintenance – Dismantling and rinsing the professional fine foam frother').
- ▶ Wipe the surface of the machine with a clean, soft, damp cloth (e.g. microfiber cloth).

Regular maintenance


Carry out the following maintenance actions **regularly** or **as required**:

- In the interests of hygiene, we recommend changing the milk pipe and interchangeable milk spout on a regular basis (approximately every 3 months). Replacements are available from specialized dealers.
- Clean the inside of the water tank, e.g. with a brush. Further information about the water tank is provided in these instructions for use (see Chapter 5 'Maintenance – Descaling the water tank').
- Traces of milk and coffee may stick to the top and bottom of the cup platform. If this happens, clean the cup platform.

Switching off the machine



When the JURA is switched off, the system is automatically rinsed if a specialty coffee has been prepared. If milk has been prepared, you will also be prompted to clean the milk system.

- ▶ Place a receptacle under the professional fine foam frother and under the coffee spout.
- ▶ Press the On/Off button .

i If milk has been prepared, you will be prompted to clean the milk system ('**Clean the milk system**'). After 10 seconds the switch-off process continues automatically.

If milk has been prepared but you have not started milk system cleaning, the milk system is rinsed first ('**Milk system is being rinsed**'). '**Machine is rinsing**', the system rinses itself. The operation stops automatically. Your JURA is switched off.

4 Permanent settings in programming mode



WARNING

Hot coffee, hot steam and hot water can cause scalding. Scalding is a serious burn.

- ▶ Use extreme care when handling hot liquid or steam.
- ▶ Allow liquid to cool down before drinking.
- ▶ In the event of scalding, rinse affected area with cold water and seek medical attention.
- ▶ Keep children AWAY.

Press the 'P' button to enter programming mode. You can navigate through the program items and permanently save the required settings using the multi-function buttons. The following settings can be made:

Program item	Sub-item	Explanation
'1/5'	'Clean', 'Descale', 'Clean the milk system', 'Filter' (only if filter is activated)	▶ Start the required maintenance program here.
'2/5'	'Rinse the milk system', 'Rinse the coffee system', 'Information'	▶ Here you can start the required maintenance program or find out what maintenance actions are required.
'3/5'	'Expert mode'	▶ Select your settings for specialty coffees and hot water.
'4/5'	'Choose language'	▶ Select your language.
	'Units'	▶ Select the unit for the amount of water.
	'Switch off after'	▶ Set the time after which the JURA should switch off automatically.
'5/5'	'Rinse the milk system'	▶ Change the setting for the milk system rinsing.
	'Water hardness'	▶ Adjust the water hardness.

Adjusting the product settings



WARNING

Hot coffee, hot steam and hot water can cause scalding. Scalding is a serious burn.

- ▶ Use extreme care when handling hot liquid or steam.
- ▶ Allow liquid to cool down before drinking.
- ▶ In the event of scalding, rinse affected area with cold water and seek medical attention.
- ▶ Keep children AWAY.

In the program item 'Expert mode' you can make individual settings for all specialty coffees and hot water. The following permanent settings can be made:

Product	Coffee strength	Amount	Temperature
Ristretto, Espresso	8 levels	Coffee: 0.5 oz – 2.5 oz (15 ml – 80 ml)	normal, high
Coffee	8 levels	Coffee: 0.5 oz – 8.0 oz (25 ml – 240 ml)	normal, high
2 ristretti, 2 espressi, 2 coffees	–	Coffee: the amount set for the single product is doubled.	as for single product
Cappuccino, Flat white	8 levels	Coffee: 0.5 oz – 8.0 oz (25 ml – 240 ml) Milk: 3 sec. – 120 sec.	normal, high
Latte macchiato	8 levels	Coffee: 0.5 oz – 8.0 oz (25 ml – 240 ml) Milk: 3 sec. – 120 sec. Interval: 0 sec. – 60 sec.	normal, high
Portion of milk	–	Milk: 3 sec. – 120 sec.	–
Hot water	–	Water: 0.5 oz – 15.0 oz (25 ml – 450 ml)	low, normal, high

Permanent settings in programming mode always follow the same model.

Example: Proceed as follows to change the coffee strength for one coffee.

- ▶ Press the 'P' button.
- ▶ Press the '>' button several times until '3/5' is displayed.
- ▶ Press the 'Expert mode' button.
'Expert mode'

- i** Next select the button of the product for which you would like to make settings. No product is prepared at this point.
- i** To display more products, press the '**>**' button (bottom right).
 - ▶ Press the '**Coffee**' button.
'Coffee'
 - ▶ Press the '**Coffee strength**' button.
'Coffee' appears and the coffee strength is displayed.
 - ▶ Press the '**<**' or '**>**' button to change the setting for the coffee strength.
 - ▶ Press the '**Save**' button.
'Saved' appears briefly on the display.
'Coffee'
 - ▶ Press the '**⏏**' button for **around 2 seconds** to exit programming mode.

Automatic switch-off

By instructing your JURA to automatically switch itself off, you can cut down your energy consumption. If this function is activated, your JURA switches off automatically after the preset time following the last action on the machine.

You can set the automatic switch-off to 15 minutes, 30 minutes or 1–9 hours.

- ▶ Press the '**P**' button.
- ▶ Press the '**>**' button several times until '**4/5**' is displayed.
- ▶ Press the '**Switch off after**' button.
'Switch off after'
- ▶ Press the '**<**' or '**>**' button to change the switch-off time.
- ▶ Press the '**Save**' button.
'Saved' appears briefly on the display.
'4/5'
- ▶ Press the '**⏏**' button to exit programming mode.

Setting the water hardness

The harder the water is, the more frequently the JURA needs to be descaled. It is therefore important to set the water hardness accurately.

The water hardness was set when the machine was first used. You can change this setting at any time.

4 Permanent settings in programming mode

The water hardness can be adjusted on a continuous scale between 1 °dH and 30 °dH.

- ▶ Press the 'P.☼' button.
- ▶ Press the '>' button several times until '5/5' is displayed.
- ▶ Press the 'Water hardness' button.
'Water hardness'
- ▶ Press the '<' or '>' button to change the setting for the water hardness.
- ▶ Press the 'Save' button.
'Saved' appears briefly on the display.
'5/5'
- ▶ Press the '⏏' button to exit programming mode.

Milk system rinsing

In the program item '4/5' / 'Rinse the milk system' you can make the following settings:

- 'Manual': You are prompted to perform milk system rinsing 10 minutes after preparation of a specialty coffee with milk.
- 'Automatic': The milk system rinsing is automatically initiated 10 minutes after preparation of a specialty coffee with milk.

Example: Proceed as follows to set the milk system rinsing to be initiated **automatically** 10 minutes after the preparation.

- ▶ Press the 'P.☼' button.
- ▶ Press the '>' button several times until '4/5' is displayed.
- ▶ Press the 'Rinse the milk system' button.
'Rinse the milk system'
- ▶ Press the 'Automatic' button.
- ▶ Press the 'Save' button.
'Saved' appears briefly on the display.
'4/5'
- ▶ Press the '⏏' button to exit programming mode.

Unit for amount of water

Example: Proceed as follows to change the unit for the amount of water from 'ml' to 'oz'.

- ▶ Press the 'P' button.
- ▶ Press the '>' button several times until '4/5' is displayed.
- ▶ Press the 'Units' button.
'Units'
- ▶ Press the 'oz' button.
- ▶ Press the 'Save' button.
'Saved' appears briefly on the display.
'4/5'
- ▶ Press the 'L' button to exit programming mode.

Language

Example: Proceed as follows to change the language from 'English' to 'Deutsch'.

- ▶ Press the 'P' button.
 - ▶ Press the '>' button several times until '4/5' is displayed.
 - ▶ Press the 'Choose language' button.
'Choose language'
- i** To display more languages, press the '>' button (bottom right).
- ▶ Press the button that corresponds to the language you want, e.g. 'Deutsch'.
'Gespeichert' appears briefly on the display.
'4/5'
 - ▶ Press the 'L' button to exit programming mode.

5 Maintenance

⚠ WARNING

Use of maintenance products that are harmful to health and discharge of liquids during maintenance program. Harmful if swallowed. Irritating to eyes and skin.

- ▶ Keep children AWAY.
- ▶ Keep children away from the machine while it is performing a maintenance program.
- ▶ Avoid contact with skin and eyes.
- ▶ Avoid generation of dust. Do not inhale dust.
- ▶ When using do not eat or drink.
- ▶ Keep maintenance products away from food, drink and animal food.
- ▶ Keep container tightly closed and dry. Keep in a cool place.

Your JURA has the following integrated maintenance programs:

- Rinsing the machine ('**Rinse the coffee system**')
- Rinsing the professional fine foam frother ('**Rinse the milk system**')
- Cleaning the professional fine foam frother ('**Clean the milk system**')
- Changing the filter ('**Change the filter**')
- Cleaning the machine ('**Clean**')
- Descaling the machine ('**Descale**')

i Carry out each maintenance program when you are prompted to do so.

i Press the '**P**' button to view a list of the maintenance programs. When the bar is completely filled with red, your JURA will prompt you to perform the appropriate maintenance program.

Rinsing the machine



You can start coffee system rinsing manually at any time.

- ▶ Place a receptacle under the coffee spout.
- ▶ Press the '**P**' button.
- ▶ Press the '>' button.
- ▶ Press the '**Rinse the coffee system**' button to start the rinse operation.

'**Machine is rinsing**', water flows out of the coffee spout. The operation stops automatically.

Rinsing the professional fine foam frother

In programming mode, you can set whether the milk system rinsing is to be prompted 10 minutes after preparation or initiated automatically (see Chapter 4 'Permanent settings in programming mode – Milk system rinsing').

After each milk preparation, the JURA prompts you to perform a milk system rinse.

Precondition: 'Rinse the milk system' is displayed.

- ▶ Place a receptacle under the professional fine foam frother.
- ▶ Press the 'P' button.
- ▶ Press the '>' button.
- ▶ Press the 'Rinse the milk system' button to start the rinse operation.

'Milk system is being rinsed' appears and the professional fine foam frother is rinsed. The operation stops automatically.



Cleaning the professional fine foam frother

To ensure that the professional fine foam frother always works properly, you must clean it **daily** when you have been preparing milk.

WARNING



Non-recommended cleaning agents will not optimally remove milk residues. This may cause the cappuccino frother to become blocked and fly off the machine. Discharge of hot steam.

- ▶ Use only original JURA milk system cleaner.

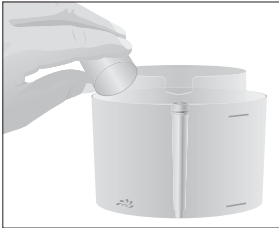
WARNING

Harmful and irritating cleaning agent. Harmful if swallowed. Irritating to eyes and skin.

- ▶ Keep children AWAY.
- ▶ Avoid contact with skin and eyes.
- ▶ After contact with skin, wash immediately with plenty of water. In case of skin irritation, seek medical advice.
- ▶ After eye contact, immediately flush eyes with plenty of water and seek medical advice.
- ▶ If swallowed, rinse mouth immediately and drink large quantities of water. Do not induce vomiting. Seek medical advice immediately and show label.

-  JURA milk system cleaner is available from specialized dealers.
-  To clean the milk system, use the container supplied.

- ▶ Press the 'P:❄️' button.
- ▶ Press the 'Clean the milk system' button.
'Clean the milk system'
- ▶ Press the 'Start' button.
- ▶ Press the 'Next' button.
'Clean the milk system' / 'Milk system cleaner'
- ▶ Remove the milk pipe from the milk container or carton.
- ▶ Add milk system cleaner to the front part of the container up to the **bottom mark** (indicated by ❄️).
- ▶ Then fill with water up to the **upper mark**.
- ▶ Place the container under the professional fine foam frother.
- ▶ If you are using the **professional fine foam frother**, set the setting wheel to the Milk Foam position 🥛.



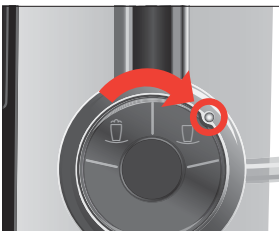
- ▶ Connect the milk pipe to the container.

i To connect the milk pipe to the container correctly, the pipe must be fitted with a connector.

- ▶ Press the 'Next' button.
'Milk system is being cleaned' appears and the professional fine foam frother and the milk pipe are cleaned.
- ▶ During the first brief interruption, set the setting wheel of the professional fine foam frother to the Milk position 🥛.



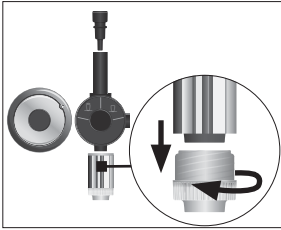
- ▶ 'Clean the milk system' / 'Fresh water'
- ▶ Rinse the container thoroughly and fill the front part with 8.5 oz (250 ml) of fresh water.
- ▶ Place this under the professional fine foam frother and reconnect the milk pipe to the container.
- ▶ Press the 'Next' button.
'Milk system is being cleaned' appears and the professional fine foam frother and the milk pipe are rinsed with fresh water. The start screen is displayed.



Dismantling and rinsing the professional fine foam frother

To make sure the professional fine foam frother works properly, and in the interests of hygiene, it must be dismantled and rinsed **daily** if you have been preparing milk. Your JURA will not prompt you to dismantle and rinse the professional fine foam frother.

- ▶ Remove the milk pipe and rinse it thoroughly under running water.



- ▶ Carefully remove the professional fine foam frother from the Connector System® by twisting slightly.
- ▶ Dismantle the professional fine foam frother into its individual parts.
- ▶ Rinse all the parts under running water. If there are severely dried-on milk residues, firstly immerse the individual parts in a solution of 8.5 oz (250 ml) cold water and 1 capful of JURA milk system cleaner. Then rinse the parts thoroughly.
- ▶ Re-assemble the professional fine foam frother.

i Ensure that all individual parts are correctly and firmly connected to ensure optimum operation of the professional fine foam frother.

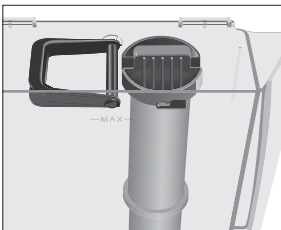
- ▶ Firmly attach the professional fine foam frother to the Connector System®.

Inserting the filter

Your JURA no longer has to be descaled if you are using the CLEARYL Smart filter cartridge. If you did not insert the filter cartridge the first time you used the machine, you can do this now as follows.

Precondition: The start screen is displayed.

- ▶ Place a receptacle (at least 10 oz or 300 ml) under the professional fine foam frother.
- ▶ Remove and empty the water tank.
- ▶ Fit the filter cartridge extension supplied on top of a CLEARYL Smart filter cartridge.



- ▶ Insert the filter cartridge with its extension into the water tank.
- ▶ Turn the filter cartridge clockwise until it audibly clicks into place.
- ▶ Fill the water tank with fresh, cold water and reinsert the tank.

i The machine automatically detects that you have just inserted the filter cartridge.

'Saved' appears briefly on the display.

'Filter is being rinsed', the water flows directly into the drip tray.

- i** The water may be slightly discolored. This is not harmful to health and does not affect the taste.

Rinsing of the filter stops automatically after approximately 10 oz (300 ml). The start screen is displayed.

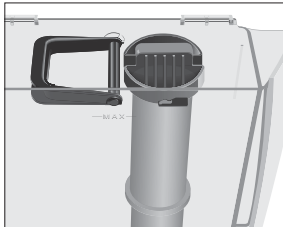
- i** If the filter is active, this is indicated by a blue filter symbol at the bottom of the display.

Changing the filter

- i** Once the filter cartridge stops working (depending on the water hardness setting), the JURA will prompt you to change the filter.

- i** CLEARYL Smart filter cartridges are available from specialized dealers.

Precondition: The start screen is displayed. The filter symbol at the bottom of the display lights up red.



- ▶ Place a receptacle (at least 10 oz or 300 ml) under the professional fine foam frother.
- ▶ Remove and empty the water tank.
- ▶ Turn the filter cartridge anticlockwise and remove it along with the extension from the water tank.
- ▶ Fit the filter cartridge extension on top of a **new** CLEARYL Smart filter cartridge.
- ▶ Insert the filter cartridge with its extension into the water tank.
- ▶ Turn the filter cartridge clockwise until it audibly clicks into place.
- ▶ Fill the water tank with fresh, cold water and reinsert the tank.

'Saved' appears briefly on the display. The machine has automatically detected that you have just changed the filter cartridge.

'Filter is being rinsed', the water flows directly into the drip tray..

- i** The water may be slightly discolored. This is not harmful to health and does not affect the taste.

Rinsing of the filter stops automatically after approximately 10 oz (300 ml). The start screen is displayed.

Cleaning the machine

After 180 preparations or 80 switch-on rinses, the JURA will prompt you to clean it.

WARNING

Non-recommended (e.g. liquid) cleaning agents may contain substances that could damage the machine or leave residues.

- ▶ Use only original JURA cleaning tablets. These are specially formulated for your machine.

WARNING

Harmful and irritating cleaning agent. Harmful if swallowed. Irritating to eyes and skin.

- ▶ Keep children AWAY.
- ▶ Avoid contact with skin and eyes.
- ▶ Avoid generation of dust. Do not inhale dust.
- ▶ After contact with skin, wash immediately with plenty of water. In case of skin irritation, seek medical advice.
- ▶ After eye contact, immediately flush eyes with plenty of water and seek medical advice.
- ▶ If swallowed, rinse mouth immediately and drink large quantities of water. Do not induce vomiting. Seek medical advice immediately and show label.

- i** The cleaning program lasts approximately 20 minutes.

- i** Do not interrupt the cleaning program. The quality of cleaning will be impaired if you do so.

- i** JURA cleaning tablets are available from specialized dealers.

Precondition: 'Clean machine' is displayed.

- ▶ Press the 'P❖❖' button.
- ▶ Press the 'Start' button.
- ▶ Press the 'Next' button.
- 'Empty coffee grounds container'
- ▶ Empty the drip tray and coffee grounds container and put them back into the machine.
- 'Clean'



- ▶ Place a receptacle under the coffee spout.
- ▶ Press the 'Next' button.
'Machine is being cleaned', water flows out of the coffee spout.
The operation is interrupted, 'Add cleaning tablet'.
- ▶ Open the cover of the filler funnel for ground coffee.



- ▶ Insert a JURA cleaning tablet into the filler funnel.
- ▶ Close the cover of the filler funnel.
- ▶ Press the 'Next' button.
'Machine is being cleaned', water flows out of the coffee spout several times.
The operation stops automatically.
'Empty coffee grounds container'
- ▶ Empty the drip tray and coffee grounds container and put them back into the machine.
Cleaning is now complete. The start screen is displayed.

Descaling the machine

The JURA builds up deposits of limescale over time and automatically prompts you to descale it when necessary. The degree of calcification depends on the hardness of your water.

- i** If you are using a CLEARYL Smart filter cartridge, you will not be prompted to descale.

⚠ WARNING

Non-recommended descaling agents (e.g. vinegar) may contain substances that could damage the machine or leave residues.

- ▶ Use only original JURA descaling tablets. These are specially formulated for your machine.

⚠ WARNING

Harmful and irritating descaling agent. Harmful if swallowed. Irritating to eyes and skin.

- ▶ Keep children AWAY.
- ▶ Avoid contact with skin and eyes.
- ▶ Avoid generation of dust. Do not inhale dust.
- ▶ After contact with skin, wash immediately with plenty of water. In case of skin irritation, seek medical advice.
- ▶ After eye contact, immediately flush eyes with plenty of water. Remove contact lenses. Seek medical advice.

- ▶ If swallowed, rinse mouth immediately and drink large quantities of water. Do not induce vomiting. Seek medical advice immediately and show label.

NOTICE If the descaling operation is interrupted, there may be damage to the machine.

- ▶ Allow the descaling program to run to the end.

- i** The descaling program lasts approximately 40 minutes.
- i** JURA descaling tablets are available from specialized dealers.
- i** If the descaling agent comes into contact with sensitive surfaces (e.g. marble), damage cannot be ruled out. Clean up any splashes immediately.

Precondition: 'Decalcify machine' is displayed.

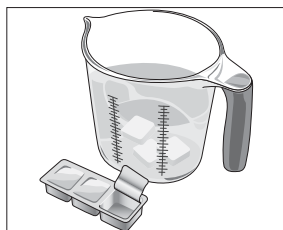
- ▶ Press the 'P.❖' button.
- ▶ Press the 'Start' button.
- ▶ Press the 'Next' button.

'Empty drip tray'

- ▶ Empty the drip tray and coffee grounds container and put them back into the machine.

'Agent in tank'

- ▶ Remove and empty the water tank.
- ▶ Completely dissolve the contents of one blister (3 JURA descaling tablets) in a receptacle holding 17 oz (500 ml) of lukewarm water. This may take several minutes.
- ▶ Pour the solution into the empty water tank and insert it into the machine.



- ▶ Place a receptacle under the professional fine foam frother.
- ▶ Press the 'Next' button.
- 'Machine is being descaled' appears and water flows out of the professional fine foam frother repeatedly. The operation is interrupted, 'Empty drip tray'.
- ▶ Empty the drip tray and coffee grounds container and put them back into the machine.
- 'Fill water tank'
- ▶ Remove the water tank and rinse it thoroughly.




- ▶ Fill the water tank with fresh, cold water and reinsert the tank.
- ▶ Place one receptacle under the coffee spout and another under the professional fine foam frother.
- ▶ Press the 'Next' button.
'Machine is being descaled', the descaling operation is continued.
The operation is interrupted, 'Empty drip tray'.
- ▶ Empty the drip tray and coffee grounds container and put them back into the machine.
Descaling is now complete. The start screen is displayed.

i If the descaling operation stops unexpectedly, rinse the water tank thoroughly.

Cleaning the bean container

Coffee beans may be covered with a slight oil film which remains on the walls of the bean container. These traces may negatively affect the coffee result. For this reason clean the bean container from time to time.

Precondition: 'Fill bean container' is displayed.

- ▶ Switch the machine off with the On/Off button .
- ▶ Remove the aroma preservation cover.
- ▶ Clean the bean container with a soft, dry cloth.
- ▶ Fill the bean container with coffee beans and close the aroma preservation cover.

Descaling the water tank

Limescale deposits may form in the water tank. To ensure correct function of the machine, descale the water tank from time to time.


- ▶ Remove the water tank.
- ▶ If you use a CLEARLYL Smart filter cartridge, remove this.
- ▶ Completely fill the water tank and dissolve 3 JURA descaling tablets in it.
- ▶ Leave the water tank with the descaling solution for several hours (e.g. overnight).
- ▶ Empty the water tank and rinse it thoroughly.
- ▶ If you use a CLEARLYL Smart filter cartridge, insert this again.
- ▶ Fill the water tank with fresh, cold water and reinsert the tank.

6 Display messages

Message	Cause/Result	Action
'Fill water tank'	The water tank is empty. You cannot prepare any products.	▶ Fill the water tank (see Chapter 3 'Daily operation – Filling the water tank').
'Empty coffee grounds container'	The coffee grounds container is full. You cannot prepare any products.	▶ Empty the coffee grounds container and the drip tray (see Chapter 3 'Daily operation – Daily maintenance').
'Drip tray not fitted'	The drip tray is not inserted correctly or is not inserted at all. You cannot prepare any products.	▶ Fit the drip tray.
'Fill bean container'	The bean container is empty. You cannot prepare any specialty coffees, but you can prepare hot water and milk.	▶ Fill the bean container (see Chapter 1 'Preparing and using for the first time – Filling the bean container').
'Rinse the milk system'	The JURA requests a milk system rinse.	▶ Perform milk system rinsing (see Chapter 5 'Maintenance – Rinsing the professional fine foam frother').
The filter symbol at the bottom of the display lights up red.	The filter cartridge no longer works.	▶ Replace the CLEARYL Smart filter cartridge (see Chapter 5 'Maintenance – Changing the filter').
'Clean machine'	The JURA is prompting you to clean it.	▶ Perform cleaning (see Chapter 5 'Maintenance – Cleaning the machine').
'Decalcify machine'	The JURA is prompting you to descale it.	▶ Perform descaling (see Chapter 5 'Maintenance – Descaling the machine').
'Too hot'	The system is too hot to start a maintenance program.	▶ Wait for several minutes until the system has cooled or prepare a specialty coffee or hot water.

7 Troubleshooting

Problem	Cause/Result	Action
Insufficient foam is produced when the milk is frothed or milk sprays out of the professional fine foam frother.	The professional fine foam frother is dirty.	<ul style="list-style-type: none"> ▶ Clean the professional fine foam frother (see Chapter 5 ‘Maintenance – Cleaning the professional fine foam frother’). ▶ Dismantle and rinse the fine foam frother (see Chapter 5 ‘Maintenance – Dismantling and rinsing the professional fine foam frother’).
Coffee only comes out in drips when it is being prepared.	The coffee is ground too finely and obstructs the system. The water hardness may not have been correctly set.	<ul style="list-style-type: none"> ▶ Set the grinder to a coarser setting (see Chapter 2 ‘Preparation – Adjusting the grinder’). ▶ Perform descaling (see Chapter 5 ‘Maintenance – Descaling the machine’).
‘Fill water tank’ is displayed although the water tank is full.	There is a lot of limescale in the water tank.	<ul style="list-style-type: none"> ▶ Descale the water tank (see Chapter 5 ‘Maintenance – Descaling the water tank’).
Little or no water or steam comes out of the fine foam frother. The pump is very quiet.	The connector of the fine foam frother may be blocked by milk residues or limescale fragments loosened during descaling.	<ul style="list-style-type: none"> ▶ Remove the fine foam frother. ▶ Unscrew the black connector with the aid of the hexagonal hole on the measuring spoon for ground coffee. ▶ Clean the connector thoroughly. ▶ Screw the connector back on by hand. ▶ Carefully tighten it using the hexagonal hole on the measuring spoon, turning by no more than a quarter of a rotation.
Grinder is making a very loud noise.	There are foreign objects in the grinder.	<ul style="list-style-type: none"> ▶ Contact customer support in your country (see Chapter 11 ‘JURA contact details / Legal information’).
‘ERROR 2’ or ‘ERROR 5’ is displayed.	If the machine has been exposed to the cold for a long period of time, heating may be disabled for safety reasons.	<ul style="list-style-type: none"> ▶ Warm the machine at room temperature.

Problem	Cause/Result	Action
Other 'ERROR' messages are displayed.	-	<ul style="list-style-type: none"> ▶ Switch the JURA off with the On/Off button . Contact customer support in your country (see Chapter 11 'JURA contact details / Legal information').

- i** If you were unable to solve the problem, contact customer support in your country (see Chapter 11 'JURA contact details / Legal information').

8 Transport and environmentally friendly disposal


Transport / Emptying the system

Keep the packaging for your JURA. It should be used to protect the machine during transport.

In order to protect the JURA from frost during transport, the system must be emptied.



Precondition: The specialty coffees with milk are displayed.


- ▶ Remove the milk pipe from the fine foam frother.
 - ▶ Place a receptacle under the fine foam frother.
 - ▶ Press the **'Milk foam'** button.
'Milk foam' appears and hot steam is discharged from the fine foam frother.
 - ▶ Remove and empty the water tank.
 - ▶ Press the **'>'** button several times until **'Amount of milk' / '60 sec.'** is displayed.
Steam will continue to be discharged from the fine foam frother until the system is empty.
'Fill water tank'
 - ▶ Press the On/Off button .
- Your JURA is switched off.

Disposal

Please dispose of old machines in an environmentally neutral way.



9 Technical data

Voltage	120 V ~, 60 Hz
Power	1450 W
Conformity mark	
Pump pressure	static, max. 15 bar
Holding capacity of water tank (without filter)	64 oz (1.9 l)
Holding capacity of bean container	10 oz (280 g)
Holding capacity of coffee grounds container	max. 16 portions
Cord length	approx. 47 in. (approx. 1.2 m)
Weight	approx. 21.6 lb (approx. 9.8 kg)
Dimensions (W × H × D)	11 × 13.8 × 17.3 in. (28.0 × 35.1 × 43.9 cm)

Information for testers (repeat test in accordance with DIN VDE 0701-0702): The central grounding point (CGP) is located on the underside of the machine, right next to the power cord's connection point.

Directives The machine complies with the following directives:

- Standard UL 1082
- Canadian Standard CSA C22.2 No. 64

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11 JURA contact details / Legal information

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