Dear Customer,

Congratulations and many thanks for choosing a high-quality NIVONA product. To get the most out of your NIVONA machine, please read this manual carefully before use. Please start by reading the safety notes.

Please keep this manual in a safe place. You may want to use it as reference guide or hand it on to any further users of your machine.

Purchase made at

Place, date
Equipment

A Symbol display screen
B Removable water reservoir
C Cup warming / holding plate
D Water quantity control knob
E Coffee strength button
F On / Off (stand-by) button
G 1-cup button
H 2-cup button
I Service button ‘S’
J Height-adjustable coffee spout
K Drip grill
L Drip tray
M Grinder settings control knob (inside)
N Bean container with lid
O Pre-ground coffee chamber
P Steam warm-up button
Q Steam / hot water valve control button
R Document compartment (on rear)
S Mains supply switch (on rear)
T Steam / hot water jet and ‘spumatore’ (milk frother)
U Used coffee container (inside)
V Power cord storage compartment (on rear)
Equipment

2 Control knob
3 Air inlet valve
4 Air inlet pipe
5 Inlet valve
6 Steam / hot water jet
7 Liquid inlet hose

8 a Control knob
   b Air inlet valve
   c Air inlet pipe
   d Inlet valve
   e Steam / hot water jet
   f Liquid inlet hose
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1. Safety instructions

- This machine may only be used for the intended purpose (domestic use) and is not for commercial application (more than 3000 brewing cycles per year).

- Operating voltage must be the same as mains voltage. Please note the model nameplate / sticker on the machine.

- Do not operate the machine if the power cord or machine case is damaged.

- Keep the power cord away from hot parts.

- Do not unplug the machine by pulling on the power cord.

- Observe the descaling instructions provided.

- Make sure to switch off and unplug the machine before maintenance or cleaning.

- Place the machine on a firm, level surface and use it indoors only.

- Do not place the machine on a hot surface or near open flames.

- Keep the machine away from children.

- Always unplug the machine during extended periods of absence.

- Do not leave the machine switched on unnecessarily.

- Never submerge the machine in water.

- Do not put the machine or individual parts in the dishwasher.

- Unplug immediately if there is a defect (do not pull the cord or machine to unplug).

- Liability for damages cannot be accepted if the machine is incorrectly operated, subject to improper use or non-professional servicing. In such cases, services will not be provided under the guarantee.

- Use the coffee grinder for grinding roasted coffee beans only – do not use with other foods. Always make sure there is nothing but coffee beans in the beans container – otherwise the guarantee will not apply.

- This machine is not suitable for individuals (including children) with physical, sensory or mental impairments, including individuals who do not have sufficient
experience or knowledge, unless they are shown how to operate the machine or initially supervised by someone responsible for their safety.

If repair services are required, including replacement of the power cord, please send the machine to the dealer from whom it was purchased – or to NIVONA central customer services.

Caution: Electrical appliances must be repaired by qualified personnel! Non-professional repairs can expose the user to significant dangers. Liability for damages cannot be accepted if the machine is used for any other than the intended purpose, incorrectly maintained or serviced.

Caution: Using the mains switch (fig. 1/S) during brewing can damage the machine! Only switch off at the mains when the On / Off switch is switched to Off (stand-by).

Caution: Risk of scalding!

- Then you draw steam or hot water, watch out for splashes from the jet / frother (fig. 1/T): risk of scalding!

- Only touch the plastic parts of the steam jet (fig. 1/T) and never point it at people.

- The steam jet (fig. 1/T) becomes VERY HOT during use. Preferably leave to cool for a few minutes before touching.

CE – This machine conforms to the following EC guidelines:


- 89/336/EWG dated 03/05/1989 “EMV Directive”, including amendment 92/31/EWG.

Specifications

Mains voltage: 220 - 240 V
Power input: 1350 W

Note: Your fully automatic coffee centre has a cord storage compartment – if the power cord is too long, any surplus can be accommodated in the storage area on the rear of the machine (fig. 1/V).
2. Set up

2.1 Preparing the machine

➔ Carefully remove the machine and all parts from the packaging.

**Note:** If you need to return your machine for servicing, it can be sent by post in the original packaging. Please keep all packaging and protective material for this purpose.

➔ Remove the water reservoir (fig. 1/B and 2) and wash it out with cold, clean tap water.
➔ Then fill the reservoir up to the max. mark and replace it in the machine. Make sure that it clicks into place.

**Note:** Only fill the reservoir with fresh, cold water. Do not use carbonated water or other liquids.

➔ Open the lid of the coffee container (fig. 1/N) and add coffee beans.

**Note:** Do not use beans which have been treated with supplements, such as sugar, during or after the roasting. Supplements can damage the grinding mechanism and any repair costs arising as a result are not covered by the guarantee.

Please make sure the steam / hot water valve control knob (fig. 1/Q and 7) is turned to ‘0’!

2.2 Getting started

➔ Remove the plug from the power cord compartment (fig. 1/V) and plug the machine in.
➔ Switch the mains supply on (fig. 1/S). The On / Off button (fig. 1/F) lights up.
➔ Press the On / Off button (fig. 1/F). The ‘cup’ symbol (Symbol 8) starts to flash in the display.
➔ After the machine has warmed up, the Service button (fig. 1/I) flashes.
➔ Now place a cup under the height-adjustable coffee spout (fig. 1/J and 5). Press the Service button (fig. 1/I).
The system is then filled with water and completely rinsed out via the height-adjustable coffee spout (fig. 1/J and 5).

The machine is now operational.

**Note:** For manufacturing reasons, the machine pipes may still be empty when the machine is first operated. The machine indicates this as follows:

- After the machine has been switched on using the On / Off button (fig. 1/F), the ‘water / steam open / closed’ symbol (Symbol 16) starts to flash.
- Open the steam / hot water control valve (fig. 1/Q and 7) by turning to the right. The system now fills up and some water may come out of the jet (fig. 1/T).
- As soon as the ‘water / steam open / closed’ symbol (Symbol 16) starts flashing again, you can turn the valve control knob (fig. 1/Q and 7) back to the left to close.
- After the machine has warmed up, the Service button (fig. 1/I) flashes.

Press the Service button (fig. 1/I) and the system is rinsed out via the coffee spout (fig. 1/J and 5).

The machine is now operational.

### 2.3 Grinder settings

**Caution:** Grinder settings can only be adjusted when the grinder is in operation. You can adjust the grinder to suit the roast of your coffee beans. We recommend that you leave the grinder on a medium setting.

- Open the lid of the bean container (fig. 1/N).
- Turn the control knob (fig. 1/M and 3) to the desired position while the grinder is running. The smaller the dot, the finer the coffee is ground. Remember:
  - a light roast requires a finer grind
  - a dark roast requires a coarser grind

Try out the different settings to find the one that best meets your personal preferences.
3. Making coffee

**Note:** The machine is preset for immediate use. However, we recommend that you first adjust the most important settings to suit your personal needs. Please follow the instructions in chapter 4 (‘programming functions’) for filter, temperature, automatic standby and water hardness settings.

**Note:** When the machine is brand new or has not been used for an extended period, the first cup of coffee does not have the full aroma and should not be drunk.

### 3.1 Selecting coffee strength

There are three levels of coffee strength to which you can adjust the brewing unit. They are shown in the display as follows:

- **MILD, ‘1 bean’ (Symbol 9):** about 7g of ground coffee, e.g. for café latte or cappuccino
- **NORMAL, ‘2 beans’ (Symbol 10):** about 9g of ground coffee e.g. for American coffee
- **STARK, ‘3 beans’ (Symbol 11):** about 11g of ground coffee e.g. for espresso or very strong coffee.

→ As soon as the machine is operational, the display shows the default setting (Symbol 8, ‘cup’, and Symbol 10, ‘2 beans’).

→ You can change this setting by pressing the button (fig. 1/E and 6) repeatedly until the desired coffee strength appears in the display (fig. 1/A and 4).

### 3.2 Select water quantity

You can freely select the quantity of water used by turning the water quantity control knob (fig. 1/D and 6), the dot scale indicating the current setting. The little cup bottom left represents less water, the large cup bottom right represents more water.

**Tip:** The water quantity can be adjusted while the machine is running. Try out various cup sizes and quantities to find the setting that best suits your personal preferences.

### 3.3 Making one cup of coffee

→ Place your (pre-heated) cup under the coffee spout (fig. 1/J or 5).

The coffee spout is height-adjustable and can be raised or lowered to best suit the cup size.
3. Making coffee

→ Set the desired coffee strength and water quantity.
→ Press the 1-cup button (fig. 1/G).
→ The machine now starts the grinding and brewing operation.

The brewing operation can be stopped at any point by pressing either the 1-cup (fig. 1/G) or 2-cup button (fig. 1/H).

Caution: The first time you brew a coffee, the grinding chamber is still empty. The symbol for ‘add beans’ (Symbol 12, 3 beans) begins to flash and no coffee is produced. If this occurs, simply press the 1-cup button (fig. 1/G and 6) again and the operation is repeated.

Tip: To determine the ideal quantity of water for your taste or cup size, make your first cup of coffee as follows:

→ Turn the water quantity control knob (fig. 1/D and 6) to one of the following positions:
  · To the middle of the dot scale for an espresso cup.
  · To the far right for a large cup.
→ Press the 1-cup button (fig. 1/G). 
→ The machine starts brewing.
→ Shortly before the desired amount of coffee is reached, turn the water quantity control knob (fig. 1/D and 6) slowly to the left until the machine stops brewing.
→ For future use, note where on the dot scale the water quantity control knob (fig. 1/D and 6) is now pointing.

3.4 Brewing two cups

In the 2-cup operation, two grind-ings of coffee are done consecutively.

→ Place both (pre-heated) cups under the coffee spout (fig. 1/J and 5).
→ Select the desired coffee strength and water quantity settings for one cup (with the buttons see fig. 1/D and 1/E).
→ Press the 2-cup button (fig. 1/H).
→ The machine now starts the grinding and brewing operation and produces two consecutive cups of coffee.
3.5 Using pre-ground coffee

➔ First turn the water quantity control knob (fig. 1/D and 6) to the desired amount for one cup.

➔ Open the lid of the pre-ground coffee chamber (fig. 1/O).

➔ Add a level measuring spoon of ground coffee and close the lid again (Symbols 8, 11 and 14 appear).

➔ Place a cup under the coffee spout (fig. 1/J and 5) and press the ‘brew’ button for one cup (fig. 1/G).

3.6 Drawing hot water
(e.g. for making tea)

➔ Hold a cup under the jet (fig. 1/T).

➔ Turn the steam / hot water valve control knob (fig. 1/Q and 7) to the right. Hot water comes out of the jet and Symbol 16, ‘steam / hot water’, flashes.

➔ Fill the cup up to the desired level and turn the valve control knob (fig. 1/Q and 7) back to ‘0’.

Note: If the pre-ground coffee chamber is left open by accident or no brew button is pressed after ground coffee is added, the machine will automatically be rinsed out via the coffee spout (fig. 1/J and 5) a minute after the lid is closed. It is then operational again.

Caution: The pre-ground coffee chamber is not a storage container. Never add more than one measure at a time to the chamber, and use only fresh or vacuum-packed coffee ground from beans. Do not use instant coffee powder!
**Caution: Risk of scalding!**
Watch out for splashes. The jet becomes very hot during use. Leave to cool for a few minutes before touching, or only touch the plastic parts.

### 3.7 Drawing steam

➔ Press the steam warm-up button (fig. 1/P and 7). The ‘steam / hot water’ symbol (Symbol 15) flashes.
➔ As soon as the system is ready, Symbol 16 starts flashing and Symbol 15 lights up without flashing.
➔ Dip the jet (fig. 1/T) into the cup with the liquid to be heated.
➔ Make sure that the ‘spumatore’ control knob (fig. 9a) is pointing to ‘0’ (steam symbol).
➔ Turn the steam / hot water valve control knob (fig. 1/Q and 7) to the right. **Caution:** Some water will come out before the steam.
➔ The operation is completed by turning the control knob back to ‘0’ (fig. 1/Q and 7).
➔ Press the steam warm-up button (fig. 1/P and 7) and the machine switches back to normal coffee-brewing mode.

**Note:**
- Steam can be produced for about 2 minutes. Then the machine will automatically switch the operation off. You can prolong the operation by turning the control knob (fig. 1/Q and 7) back and forth.
- It is hard to remove dried milk left on the jet after frothing. Please therefore clean the equipment as soon as it has cooled down – ideally repeat the steam drawing operation in a cup with clean cold water.

**Caution: Risk of scalding!**
The steam which comes out is very hot. Only touch the black plastic parts of the jet.

### 3.8 Frothing milk, hot milk and cappuccino

➔ With the special ‘spumatore’ frothing device (fig. 1/T and 8) you can heat up milk straight from the carton or from a container and then froth it into the cup.
➔ Dip the inlet hose (fig. 9f) straight into the milk carton or container.
➔ Place a cup under the ‘spumatore’ jet (fig. 1/T and 8).
3. Making coffee

➔ Then press the steam warm-up button (fig. 1/P and 7). The ‘steam / hot water’ symbols (Symbol 15) flash.
➔ As soon as the system is ready, Symbol 16 starts flashing and Symbol 15 lights up.
➔ For cappuccino: now turn the ‘spumatore’ control knob (fig. 9a) to the left so that it points to ‘cappuccino’.
➔ For hot milk, turn the ‘spumatore’ control knob (fig. 9a) to the right so that it points to ‘caffè latte’.
➔ Turn the steam / hot water valve control knob (fig. 1/Q and 7) slowly to the right.
➔ As soon as the desired amount of milk foam or hot milk has been drawn, turn the steam / hot water valve control knob (fig. 1/Q and 7) back left to the ‘0’ position.
➔ Press the steam warm-up button again (fig. 1/P and 7).
➔ Now place the cup with the frothed up or hot milk under the coffee spout (fig. 1/J and 5) and fill with coffee as described above.

Caution: It is hard to remove dried milk left on the jet after frothing. Please therefore clean the equipment as soon as it has cooled down.

➔ To do this, fill a container with cold clean water, and dip the inlet hose into it.
➔ Place an empty container under the ‘spumatore’ jet (fig. 1/T and 8).
➔ Now draw steam (as described in points 3.7 and 3.8) until only clean water / steam flows out.
➔ Now the whole ‘spumatore’ mechanism is clean and operational again.

Cleaning: For optimal cleaning the ‘spumatore’ must be dismantled from time to time and its parts rinsed under fresh, cold water. It is easy to take apart and re-assemble (see fig. 9).

Note: Steam can be drawn for about 2 minutes. Then the machine will automatically switch the operation off. You can prolong the operation by turning the control knob (fig. 1/Q and 7) back and forth.
4. Programming functions

The following buttons are used for programming functions:

**Service button ‘S’** = programming mode / confirmation button (fig. 1/I)

**Coffee strength button** = Selection button (fig. 1/E)

**On / Off button** = cancel (fig. 1/F)

**Important:** Note that functions can only be programmed when the On / Off button (fig. 1/F) is switched to ‘Off’ (stand-by mode).

You can program / re-program the following functions:

- **Operation with / without filter** = ‘Change filter’ (Symbol 20)
- **Water hardness** = ‘Descale machine’ (Symbol 18)
- **Temperature** = ‘Coffee ready’ (Symbol 8)
- **Automatic stand-by** = ‘Water / steam open / closed’ (Symbol 16)

### 4.1 Filter

**Inserting filter:**

A special filter for the water reservoir is included in the machine accessories. If you use this filter correctly you will not need to descale your coffee machine as often (recommended: about twice yearly, see point 5.4, ‘descaling’). So that the machine knows that the filter has been inserted, you must change the filter setting to ‘On’. The default setting is ‘without filter’.

The current setting is designated by the following symbols:
- Function setting for **filter ON**: Symbols 14 and 9 light up
- Function setting for **filter OFF**: Symbol 14 alone lights up.

➔ Switch your machine off (stand-by mode) by pressing the On / Off button (fig. 1/F).
➔ Press and hold the Service button (fig. 1/I) for about 4 seconds to enter programming mode.
➔ Symbols 20, 18, 8 and 16 light up and rotate sequentially in the display.
➔ Wait until the filter symbol (Symbol 20) lights up and press the Selection button (fig. 1/E and 6).
➔ Symbol 14 starts to flash.
➔ Press the Selection button (fig. 1/E and 6) until both Symbols 14 and 9 (‘filter ON’) flash.
➔ Press and hold the Service button (fig. 1/I) for about 4 seconds to confirm. Symbols 13, 16 and 20 flash.
Empty the water tank (fig. 1/B and 2) and screw the filter into the bracket provided in the water reservoir using the assembly tool on the end of the measuring spoon.

Fill up the reservoir with fresh water and replace it in the machine. Symbol 16 flashes.

Hold a container under the steam / hot water jet (fig. 1/T) and turn the control knob (fig. 1/Q and 7) to the right to open. The system will now be rinsed out.

Wait until no more water comes out of the jet for a short time and turn the control knob (fig. 1/Q and 7) back to the left to close. (Caution! If water continues to come out of the jet after a short while, the system is also ready. If this occurs, turn the control knob back to the left anyway.)

The system briefly warms up (Symbol 8 flashes) and is then operational again.

Note: The Service button (fig. 1/I) may still flash. Press the button (fig. 1/I) and the system will briefly be rinsed out via the coffee spout (fig. 1/J und 5).

Important: If you use a filter for your machine and have changed the function setting to ‘filter ON’, the water hardness and manual descaling functions will no longer be shown. The filter loses its efficiency after processing about 50 l of water (for changing filter, see chapter 5.2).

Caution! If the machine is rarely used and so the ‘CHANGE FILTER’ signal does not appear in the display, the filter must be replaced anyway after no longer than two months (see chapter 5.2 ‘Washing filter manually’).

Operating without a filter:

If you no longer wish to use a filter, the filter setting must be changed back to ‘filter OFF’. This is important, as without a filter the machine must be descaled (the machine is delivered in the default setting ‘Without filter’).

Switch your machine off (stand-by mode) by pressing the On / Off button (fig. 1/F).

Press and hold the Service button (fig. 1/I) for about 4 seconds to enter programming mode.

Symbols 20, 8 and 16 light up and rotate sequentially in the display.
Wait until the filter symbol (Symbol 20) lights up and press the Selection button (fig. 1/E and 6).

Symbols 14 and 9 start to flash.

Press the Selection button (fig. 1/E and 6) until only Symbol 14 (‘filter OFF’) flashes.

Press and hold the Service button (fig. 1/I) for about 4 seconds to confirm.

The programming operation is now complete and the system returns to stand-by mode.

**Note:** Do not forget to set the water hardness (see point 4.2).

### 4.2 Water hardness

Depending on the water hardness in your region, or if you have not inserted a filter (see chapter 4.1), the machine sooner or later requires descaling. So that the system can indicate correctly when descaling is necessary, you must enter the correct water hardness settings before the first use.

The default setting is level 3, indicated by Symbols 14 and 10.

First, test your water with the test strips provided:

- Dip the strip into the water and then shake it lightly off.
- After about a minute you can read the result by counting the red dots on the test strip.
- The settings corresponding to the different levels of hardness are as follows:

<table>
<thead>
<tr>
<th>Test strip / hardness level</th>
<th>Symbol for setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 red dot / 1–7°</td>
<td>14</td>
</tr>
<tr>
<td>2 red dots / 8–14°</td>
<td>14 and 9</td>
</tr>
<tr>
<td>3 red dots / 15–21°</td>
<td>14 and 10</td>
</tr>
<tr>
<td>4 red dots / &gt; 21°</td>
<td>14 and 11</td>
</tr>
</tbody>
</table>

**Note:** If none of the dots turn red on the test strip, please set level 1, Symbol 14.

- Switch your machine off (stand-by mode) by pressing the On / Off button (fig. 1/F).
- Press and hold the Service button (fig. 1/I) for about 4 seconds to enter programming mode.
- Symbols 20, 18, 8 and 16 light up and rotate sequentially in the display. (The symbol for water hardness, Symbol 18, does not appear if the filter function is set to ‘ON’, see chapter 4.1).
Wait until the symbol for water hardness, Symbol 18, lights up and press the Selection button (fig. 1/E and 6) to confirm.

Symbols 14 and 10 start to flash.

Press the Selection button (fig. 1/E and 6) until the symbols for the desired water hardness flash.

Press and hold the Service button (fig. 1/I) for about 4 seconds to confirm.

The programming operation is now complete and the system returns to stand-by mode.

4.3 Temperature

You can change the coffee temperature as desired. The default setting is ‘High’:

Normal = Symbol 14
High = Symbols 14 and 9
Maximum = Symbols 14 and 10

Switch your machine off (stand-by mode) by pressing the On / Off button (fig. 1/F).

Press and hold the Service button (fig. 1/I) for about 4 seconds to enter programming mode.

Symbols 20, 18, 8 and 16 light up and rotate sequentially in the display.

Wait until the symbol for temperature, Symbol 8, lights up and press the Selection button (fig. 1/E and 6) to confirm.

Symbols 14 and 9 start to flash.

Press the Selection button (fig. 1/E and 6) until the symbols for the desired setting flash.

Press and hold the Service button (fig. 1/I) for about 4 seconds to confirm.

The programming operation is now complete and the system returns to stand-by mode.

4.4 Automatic stand-by

This function allows you to program the machine to switch automatically to stand-by mode at a given length of time after the last brewing operation. The following settings are possible:

Never = Symbol 14
30 mins. = Symbols 14 and 9
2 hours = Symbols 14 and 10
5 hours = Symbols 14 and 11

Note: The default setting is 5 hours (Symbols 14 and 11).

Switch your machine off (stand-by mode) by pressing the On / Off button (fig. 1/F).
5. Maintenance and care

5.1 Inserting filter

See chapter 4.1 ‘Filter – Inserting filter’.

5.2 Changing filter

Filter loses its efficiency after processing about 50 l of water. Symbol 20 appears in the display and the Service button (fig. 1/I) flashes.

Tip: Only press the Service button (fig. 1/I) when you wish to change filter. You can continue to make coffee, hot water or steam. However, we recommend that you change the filter immediately.

➔ Press and hold the Service button (fig. 1/I) for about 4 seconds. Symbols 13, 16 and 20 flash.
➔ Empty the water reservoir (fig. 1/B and 2) and replace the filter (see point 4.1).
➔ Fill up the reservoir with fresh water and replace it in the machine.
➔ Hold a container under the steam / hot water jet (fig. 1/T) and turn the control knob (fig. 1/Q and 7) to the right to open. The system is rinsed through.
➔ Wait until no more water comes out of the jet for a short time and turn the control knob (fig. 1/Q and 7) back to the left to close.

➔ Press and hold the Service button (fig. 1/I) for about 4 seconds to enter programming mode.
➔ Symbols 20, 18, 8 and 16 light up and rotate sequentially in the display.
➔ Wait until the symbol for the automatic stand-by function, Symbol 16, lights up and press the Selection button (fig. 1/E and 6).
➔ Symbols 14 and 11 start to flash.
➔ Press the Selection button (fig. 1/E and 6) until the symbols for the desired setting flash.
➔ Press and hold the Service button (fig. 1/I) for about 4 seconds to confirm.
➔ The programming operation is now complete and the system returns to stand-by mode.
(Caution! If water continues to come out of the jet, the system is ready in any case. If this occurs, still turn the control knob back to the left.)

➔ The system then briefly warms up (Symbol 8 flashes) and is then operational again. The usual coffee-brewing symbols appear in the display.

Changing / washing filter manually:

Caution: If you use the machine infrequently, you must change the filter after at most two months. No message will appear in the display and you must rinse the new filter manually. You can set the replacement date using the special rotating disk at the top of the filter (scale in months).

➔ Switch your machine on (operating mode) by pressing the On / Off button (fig. 1/F).
➔ Press and hold the Service button (fig. 1/I) for about 4 seconds. Symbols 19 and 20 light up and alternate in the display.
➔ Wait until the symbol for the filter function, Symbol 20, lights up and press the Selection button (fig. 1/I) to confirm.
➔ Symbols 20 starts to flash.

➔ Press and hold the Service button (fig. 1/I) for about 4 seconds. Symbols 13, 16 and 20 flash.
➔ Then follow the instructions given in point 5.2, from “Empty the water reservoir ...”.

5.3 Cleaning program

When the machine needs to be cleaned, Symbol 19 appears in the display and the Service button (fig. 1/I) flashes.

Tip: Only press the Service button (fig. 1/I) when you wish to start the cleaning program. You can continue to make coffee, hot water or steam. However, we recommend that you start the cleaning program as soon as possible.

Caution: Once running, the cleaning program must not be stopped. Only add cleaning tablet when the machine instructs you to do so.

➔ Press and hold the Service button (fig. 1/I) for about 4 seconds. Symbol 17 flashes.
➔ Remove the drip tray and used coffee container (fig. 1/L and 1/U) and clean them both.
➔ Fill the reservoir (fig. 1/B and 2) with fresh water and replace it and the tray (fig. 1/L) in the machine.
➔ The machine rinses itself briefly out and Symbol 19 starts to flash.

**Tip:** Place a sufficiently container (about 0.5 l) under the coffee spout (fig. 1/J and 5).

➔ Put a cleaning tablet into the ground coffee chamber (fig. 1/O) and close the lid. The Service button (1/l) flashes.
➔ Press the Service button (fig. 1/l).
➔ The machine starts the cleaning operation.
➔ The cleaning operation runs automatically and lasts about 10 minutes. As soon as the cycle is complete, Symbol 17 flashes.
➔ Empty, clean and replace the drip tray (fig. 1/L).
➔ Refill the water reservoir (fig. 1/B and 2) with fresh water if required.
➔ The machine warms up briefly and is then operational again.

**Manual cleaning**

If required, the cleaning program can also be started even if no indication has been displayed by the machine that this is necessary:

➔ Switch your machine on (operating mode) by pressing the On / Off button (fig. 1/F).

➔ Press and hold the Service button (fig. 1/l) for about 4 seconds. Symbols 19, 20 and / or 18 light up sequentially in the display.
➔ Wait until Symbol 19 lights up and press the Service button (fig. 1/l) to confirm. Symbol 19 starts to flash.
➔ Press and hold the Service button (fig. 1/l) again for about 4 seconds. Symbol 17 flashes.
➔ Follow the instructions given in point 5.3, from “Remove the drip tray …”.

**Tip:** If you start the manual cleaning program by accident, you can cancel the operation at the start by pressing and holding the On / Off button (fig. 1/F) for about 4 seconds.

**5.4 Descaling**

**Note:** The descaling function does not work if the filter program is set to ‘operation with filter’ (see point 4.1 ‘Operating without a filter’). When the machine needs to be descaled, Symbol 18 appears in the display and the Service button (fig. 1/l) flashes. However, you can start the descaling program manually at any time (see under ‘Manual descaling’).
Tip: Only press the Service button when you wish to start the descaling program. You can continue to make coffee, hot water or steam, but we recommend that you complete the descaling program as soon as possible.

Caution: Once started, the descaling program cannot be interrupted. Please strictly observe the order of the following instructions when descaling your machine.

Never use vinegar or acetic acid based agents for descaling. Use standard liquid products available in specialist retailers and recommended for use on fully automatic coffee centres.

➔ Press the Service button (fig. 1/I) for about 4 seconds. Symbol 17 flashes.
➔ Empty the drip tray (fig. 1/L) and replace it in the machine. Symbol 13 flashes and Symbol 18 lights up.
➔ Remove the water reservoir (fig. 1/B and 2) and fill with water up to the 0.5 l mark before adding the descaling agent. (Caution: never the other way round – consult the manufacturers’ instructions.)
➔ Replace the water reservoir in the machine. Symbol 16 flashes.

➔ Place a sufficiently large container (about 0.5 l) under the coffee spout (fig. 1/J and 5) and under the steam / hot water jet (fig. 1/T and 8).
➔ Open the steam / hot water valve control knob (fig. 1/Q and 7) by turning to the right.
➔ The machine descales automatically and the descaling solution now flows out at intervals through the steam / hot water jet (about 10 mins.). Symbol 15 flashes during this operation.
➔ When Symbol 16 starts flashing again, turn the control knob (fig. 1/Q and 7) back to the left.
➔ The descaling solution now flows out at intervals through the inside spout (about 15 mins).
➔ As soon as the descaling solution has flowed out, Symbols 13 and 17 flash.
➔ Remove and empty the drip tray (fig. 1/L) and water reservoir (fig. 1/B and 2).
➔ Fill up the reservoir with fresh water and replace it and the drip tray in the machine. Symbol 16 flashes.
➔ Open the steam / hot water valve control knob (fig. 1/Q and 7) by turning to the right.
The system is again rinsed out in intervals, this time through the steam / hot water jet (fig. 1/T) (about 5 mins).

As soon Symbol 16 starts flashing again, you can turn the control knob (fig. 1/Q and 7) back to the left to close.

The system is rinsed out at intervals through the inside spout (about 5 minutes).

As soon as the rinse is completed, Symbol 17 starts flashing.

Empty the drip tray (fig. 1/L) and replace it in the machine.

The system warms up briefly. Then the Service button flashes (fig. 1/I).

Press the Service button (fig. 1/I) and the system is rinsed out through the coffee spout (fig. 1/J and 5)

The machine is now once again operational.

Manual descaling

If required, the descaling program can also be started even if no indication has been displayed by the machine that this is necessary:

Switch your machine on (operating mode) by pressing the On / Off button (fig. 1/F).

Press and hold the Service button (fig. 1/I) for about 4 seconds. Symbols 18 and 19 light up and alternate in the display.

Wait until Symbol 18 lights up and press the Service button (fig. 1/I) to confirm. Symbol 18 starts to flash.

Press and hold the Service button (fig. 1/I) for about 4 seconds. Symbol 17 flashes.

Follow the instructions given in point 5.4, from “Empty the drip tray …”.

Tip: If you start the manual descaling program by accident, you can cancel the operation at the start by pressing and holding the On / Off button (fig. 1/F) for about 4 seconds. The machine may ask you to change the water.

5.5 General cleaning

Caution: Never submerge the machine in water! Do not use abrasive materials to clean the machine.

Wash the case inside and out with a soft, damp cloth only.

Empty the drip tray (fig. 1/L) and the used coffee container (fig. 1/U) only when instructed to
do so by the display. From time to time use soapy water to clean.

**Important:** When cleaning the drip tray (fig. 1/L), make sure that the two contacts on the back of the tray are always clean and dry.

➔ The water reservoir (fig. 1/B and 2) should be rinsed out and refilled with fresh, cold water daily.
➔ Clean the hot water and steam jet (fig. 1/T) with a damp cloth or rinse it out with fresh, cold water until it is completely clean (see also cleaning note under point 3.8).

**Cleaning the brewing unit**

If required, the brewing unit can be removed and cleaned under running water. Please use only water to do this, no cleaning agents!

➔ The machine must be in stand-by mode for this operation!
➔ Remove the right cover by unscrewing both screws (e.g. with a 5 cent coin).
➔ Unlock the brewing unit by pressing the red release switch and turning the handle to the left until it blocks (see fig. 10).
➔ Then carefully take the brewing unit out by the handle.
➔ Wash the brewing unit under running water and then let it dry.
➔ Carefully replace and lock the brewing unit by pressing the red lever switch and turning the handle to the right until it clicks.
➔ Replace the cover and screw the screws back in.

Press the stand-by button to switch the machine back to normal coffee-brewing mode.
### 6. System messages

<table>
<thead>
<tr>
<th>Message</th>
<th>Meaning</th>
<th>What to do</th>
</tr>
</thead>
<tbody>
<tr>
<td>Symbol 16 flashes</td>
<td>➔ Fill system with water Or rinse</td>
<td>➔ Turn hot water jet control knob (fig. 1/Q and 7) to the right to open</td>
</tr>
<tr>
<td>Symbol 13 flashes</td>
<td>➔ Water reservoir (fig. 2) is empty ➔ Water reservoir (fig. 2) is absent or incorrectly positioned</td>
<td>➔ Add fresh water ➔ Correctly position water reservoir</td>
</tr>
<tr>
<td>Symbols 9, 10 and 11 flash increasingly</td>
<td>➔ Not enough coffee beans ➔ Coffee beans do not fall into grinder (stuck)</td>
<td>➔ Add beans to the container (fig. 3) ➔ Stir beans in container e.g. with a spoon to release</td>
</tr>
<tr>
<td>➔ NOTE: The message ‘fill beans’ (Symbols 9, 10 and 11) will only disappear when coffee has been brewed after refilling.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Symbol 17 flashes</td>
<td>➔ Drip tray (fig. 1/L) and / or used coffee container (fig. 1/U) are full</td>
<td>➔ Empty drip tray and / or used coffee container</td>
</tr>
<tr>
<td>Symbol 17 lights up</td>
<td>➔ Drip tray (fig. 1/L) and used coffee container (fig. 1/U) are absent or not correctly positioned ➔ Contacts on back of drip tray are not clean</td>
<td>➔ Position drip tray and used coffee container ➔ Clean contacts</td>
</tr>
</tbody>
</table>
### 6. System messages

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Symbols 8 and 16 flash</td>
<td>Machine is overheating</td>
<td>Cool machine by drawing hot water (see point 3.6)</td>
</tr>
<tr>
<td>Symbol 19 lights up</td>
<td>Cleaning is required</td>
<td>Clean machine (see point 5.3)</td>
</tr>
<tr>
<td>Symbol 18 lights up</td>
<td>Descaling is required</td>
<td>Descale the machine (see point 5.4)</td>
</tr>
<tr>
<td>Symbol 20 lights up</td>
<td>Filter is no longer efficient</td>
<td>Replace filter (see point 5.2)</td>
</tr>
<tr>
<td>Symbol 14 flashes</td>
<td>Lid to ground coffee chamber (fig. 1/0) is open</td>
<td>Close lid</td>
</tr>
<tr>
<td>Symbol 21 flashes</td>
<td>Door to the brewing unit is open</td>
<td>Shut doors properly and lock securely</td>
</tr>
<tr>
<td></td>
<td>Brewing unit incorrectly positioned</td>
<td>Check and lock brewing unit</td>
</tr>
</tbody>
</table>
### 7. Troubleshooting

<table>
<thead>
<tr>
<th>Fault</th>
<th>Meaning</th>
<th>What to do</th>
</tr>
</thead>
<tbody>
<tr>
<td>No hot water / steam comes out of jet</td>
<td>Jet (fig. 1/T) is blocked</td>
<td>Clean jet thoroughly</td>
</tr>
<tr>
<td>Too little milk foam or foam too liquid</td>
<td>Unsuitable milk</td>
<td>Use cold milk</td>
</tr>
<tr>
<td></td>
<td>Jet is blocked</td>
<td>Take jet apart and clean</td>
</tr>
<tr>
<td>Coffee only comes out in drips</td>
<td>Grinder setting to fine</td>
<td>Select coarser grinder setting</td>
</tr>
<tr>
<td></td>
<td>Pre-ground coffee too fine</td>
<td>Use coarser pre-ground coffee</td>
</tr>
<tr>
<td>Coffee without ‘crema’</td>
<td>Unsuitable coffee type</td>
<td>Change coffee type</td>
</tr>
<tr>
<td></td>
<td>Beans no longer fresh</td>
<td>Use fresh beans</td>
</tr>
<tr>
<td></td>
<td>Grinder settings not adjusted to coffee beans</td>
<td>Optimise grinder settings</td>
</tr>
<tr>
<td>Grinder makes loud noise</td>
<td>Other substances in grinder, e.g. little stones</td>
<td>Call service hotline, meantime pre-ground coffee can be used</td>
</tr>
<tr>
<td>Descaling program does not start</td>
<td>Filter program set to ‘ON’</td>
<td>Change filter setting to ‘OFF’</td>
</tr>
</tbody>
</table>
... 7. Troubleshooting

<table>
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<tr>
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<th>Meaning</th>
<th>What to do</th>
</tr>
</thead>
<tbody>
<tr>
<td>Symbol 14 lights up, Symbols 13, 18, 19, 20, 21 flash</td>
<td>Circular light around On / Off button (fig. 1/F) flashes</td>
<td>Let the machine warm up at room temperature for one to two hours</td>
</tr>
<tr>
<td>Symbol 11 lights up, Symbols 13, 18, 19, 20, 21 flash</td>
<td>Circular light around On / Off button (fig. 1/F) flashes</td>
<td>Let the machine warm up at room temperature for one to two hours</td>
</tr>
<tr>
<td>Symbol 15 lights up, Symbols 13, 18, 19, 20, 21 flash</td>
<td>Circular light around On / Off button (fig. 1/F) flashes</td>
<td>Call the Service Hotline</td>
</tr>
</tbody>
</table>

If you are unable to correct a fault yourself, please call the service hotline – consult the notes in the accompanying guarantee and customer service information booklet.
8. Further instructions

Transport and storage

The steam must be evacuated from the machine if it is to be transported or stored in cold rooms.

➔ Remove water reservoir.
➔ Turn steam / hot water valve control knob to the right (fig. 1/Q and 7).
➔ When no more steam comes out, turn steam / hot water valve control knob to the left (fig. 1/Q and 7).
➔ Turn off the machine.

Please keep the original packaging and protective material for storage and transport purposes.

Replacement parts / accessories

You can purchase new water filters, cleaning tablets and descaling agents from any well-stocked specialist retailer.

Customer service

NIVONA products are designed to meet the highest quality standards. However, if questions do arise while you operate your machine, we would like to hear from you. Your support is essential to our mission to further develop and improve our products so that they fully meet your needs.

Guarantee and customer service conditions

Please consult the detailed guarantee and customer service conditions in the appropriate information booklet.

Protecting the environment

Electric and electronic appliances often contain valuable or harmful materials which should not be processed in the same way as normal household waste. If incorrectly processed, they can harm human health and the environment. Please therefore do not put your machine in the dustbin with normal waste. Instead submit it to the “collection point for the disposal and recycling of electric and electronic appliances” provided by your local council. You can obtain further information from your local council, the waste collection services or the specialist retailer who sold you the product.
Original NIVONA accessories

Professional care and maintenance

Your love of coffee is here to stay.

The CLARIS filter cartridge NIRF 700 is specifically designed for NIVONA fully automatic coffee centres (CafeRomatica models). It is screwed directly into the water tank. It is filled with purely organic material, without chemical additives. With CLARIS filter cartridges you can protect your appliance and improve its durability. The CLARIS filter cartridge, if changed regularly, ensures that you will have to descale your NIVONA machine less often.

Model: NIRF 700, ANR: 390 700 100, EAN: 42 600 8346 701 5

Cleaning tablets NIRT 700 for CafeRomatica models, includes 10 tablets per pack. Your NIVONA fully automatic coffee centre provides an integrated cleaning programme. NIVONA cleaning tablets are specifically designed for this purpose and completely loosen staining such as coffee residues. Regular cleaning protects your machine and preserves the coffee’s full flavour.

Model: NIRT 700, ANR: 390 700 200, EAN: 42 600 8346 702 2

SPECIAL Fluid descaler NIRK 703 for CafeRomatica models, includes 500 ml, enough for 5 treatments. Your NIVONA fully automatic coffee centre provides an integrated descaling programme. The NIVONA descaler is designed especially for our machines and will reliably remove limescale without damaging the machine. The special NIVONA descaler leaves no residue! Regular descaling protects your machine and preserves the coffee’s full flavour.

Model: NIRK 703, ANR: 390 700 300, EAN: 42 600 8346 703 9

Subject to replacement with similar designs and technical alterations.