

User Manual



Coffee machine

1500 S+

English

01.00.100

Congratulations on the purchase of your WMF coffee machine.

The WMF 1500 S+ coffee machine is a fully automatic single-cup machine for espresso, café crème, cappuccino, milk coffee, latte macchiato, milk foam, and hot water. With its optionally available powder hopper, the WMF 1500 S+ can also make hot chocolate with milk or milk foam.



Follow the User Manual



- > Read the User Manual carefully prior to use.
- > Please refer to the User Manual, paying special attention to the safety instructions and Safety chapter.
- > Follow the warning instructions on the coffee machine.
- > Ensure that the staff and all users have access to the User Manual.

CAUTION

Follow the User Manual signs and symbols
page 20

Follow the Safety chapter
▷ starting on page 7



Hazard to life due to electrical shock



- The voltage inside the coffee machine is a hazard to life.
- > Never open the housing.
- > Never loosen the screws, and do not remove any housing parts.

WARNING

Follow the Safety chapter
▷ starting on page 7



Conditions for use and installation

- > In the event of failure to comply with maintenance information and the specifications in the Technical Data chapter, no liability is accepted for any resultant damage.
- > Follow the User Manual.
- > Maintenance and repair work may be performed only by the WMF Service-Center, using original spare parts.

IMPORTANT

Technical data
▷ starting on page 109

Maintenance
▷ starting on page 95

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1 Safety



Misuse

- Failure to follow the safety instructions can result in death or serious injury.
 - > Follow all the safety instructions.
-

 **WARNING**

1.1 General safety instructions

Hazards to the operator

At WMF, safety is one of the most essential product features. The effectiveness of the safety devices can only be ensured if the following points are observed:



- > Read the User Manual carefully prior to use.



- > Do not touch hot machine components.



- > Do not use the coffee machine if it is not working properly or if it is damaged.
- > Use the coffee machine only when it is completely assembled.

 **CAUTION**



> Built-in safety devices must never be altered.



> This device can be used by children of age 8 years or older while under continuous supervision, as well as



by persons with reduced physical, sensory, or mental capabilities or lack of experience or knowledge, once they have been instructed in the safe use of the machine and the risks associated with it.

> Children must not play with the device.

> Cleaning and user maintenance must not be performed by children.

 **CAUTION**

Despite the safety devices, every coffee machine poses potential hazards if incorrectly used. Please observe the following instructions when using the coffee machine so as to prevent injury and health hazards:



Hazard to life due to electrical shock



WARNING



- The voltage inside the coffee machine is a hazard to life.
 - > Never open the housing.
 - > Never loosen the screws, and do not remove any housing parts.
 - > Avoid damage to the power cord. Do not kink or crush it.
 - > Never use a damaged power cord. A damaged power cord must be replaced by the manufacturer or a service representative in order to prevent a hazard.
 - > Never immerse the mains plug in water or other liquids. Never pour water or other liquids over the mains plug. Always keep the mains plug dry.
 - > Do not unplug the equipment's plug on the rear of the coffee machine until the power cord has been unplugged from the mains.
 - > The coffee machine must be disconnected from the power supply prior to maintenance and repair work. Pull out the plug to do so. The person performing the maintenance or repair must always be able to check, with a clear line of sight, that the power supply has been disconnected.



Burn hazard / scalding hazard

 **CAUTION**



- When dispensing beverages and steam, hot liquid comes out of the spouts. The adjacent surfaces and spouts become hot.



- > When dispensing beverages and steam, do not reach beneath the spouts.
 - > Do not touch the spouts immediately after dispensing.
 - > Always place an appropriate cup under the spout before dispensing a beverage.
-



Risk of injury

 **CAUTION**

- Long hair could become caught in the grinder head and drawn into the coffee machine.
 - > Always protect hair with a hairnet.
-



Bruising or crushing hazard / risk of injury



- The coffee machine contains moving parts that can cause finger or hand injury.
 - Closing the operating panel can cause a crushing hazard.
 - > Always switch off the coffee machine and unplug the mains plug before reaching into the coffee grinder or opening brewing unit.
 - > Carefully and gently close the operating panel.
 - > Do not reach into the area of the moving spout.
-

 **CAUTION**



Health hazard

- > Only use products that are suitable for consumption and for use with the coffee machine.
 - > The powder hopper, bean hopper, and manual insert may only be filled with materials for the use intended.
-

 **CAUTION**



Health hazard

- The milk system cleaner and cleaning tablets are irritants.
 - > Follow the protective measures on the packaging of the cleaning agent.
 - > Only put in a cleaning tablet when an appropriate message is displayed.
-

 **CAUTION**



Health hazard / irritation and scalding hazard



- During cleaning, hot cleaning solution and hot water run out of the combi spout and out of the hot water spout.
 - Hot liquids can irritate the skin, and the heat poses a burn hazard.
 - The drip tray may contain hot liquids.
 - > Never reach under the spouts while cleaning.
 - > Ensure that no one drinks the cleaning solution.
 - > Be careful when moving the drip tray.
-

 **CAUTION**



Slipping hazard



- Fluids can be discharged from the coffee machine if used improperly or if errors occur. These fluids can cause a slipping hazard.
- > Regularly check the coffee machine for leaks, and make sure no water is coming out.
-

 **CAUTION**

1.2 Intended use



Misuse

 **WARNING**

- If the machine is used other than as intended, this could lead to a risk of injury.
 - > The coffee machine must only be used as intended.
-

- The WMF 1500 S+ is designed to dispense beverages made with coffee and/or milk and/or powder (such as Choc or topping) into suitable containers.
- The coffee beans, milk, topping, and chocolate powder products must be suitable for processing in a fully automated coffee machine. The products must not be processed after their expiration date.
- This device is intended for industrial and commercial use and should be operated by experts or trained users in stores, offices, restaurants, hotels, or similar places. It can also be used in a domestic environment.

Installation location

- The device can be used as a self-service device if it is supervised by trained personnel.
The machine must be set up so as to allow good visual access.
- The device must be placed and leveled on a horizontal, sturdy, water-resistant, and heatproof base.

- The device must not be cleaned using a water jet. The device must be installed where it is protected against water spray.
- The device must not be located on a surface that is sprayed or cleaned with a water hose, steam jets, steam cleaner, or similar devices.

Water supply

- 3/8 inch hose connector with water mains tap, and filter with 0.08 mm mesh size, on-site. At least 0.2 MPa (2 bar) supply pressure at 2 l/min Maximum 0.6 MPa (6 bar).
Maximum inlet temperature 35 °C.
- The set of hoses provided with the new coffee machine and/or the new water filter must be used. Do not use the old set of hoses.

Ambient temperature

- Ambient temperature +5 °C to a maximum of +35 °C

Usage

- The use of the device is subject to this User Manual. Any other use or use that goes beyond the aforementioned is considered incorrect use. The manufacturer shall not be liable for any damage resulting from this.
- **Under no circumstances may the WMF 1500 S+ be used to dispense and heat liquids other than coffee, hot water (beverages, cleaning) or milk (chilled, pasteurised, homogenised, UHT).**

Hygiene

- The coffee machine must be set up by the operator such that care and maintenance can be performed without hindrance.
- In office / floor kitchen areas or similar self-service set-ups, only staff instructed in operation of the coffee machine should supervise the coffee machine. Trained personnel should carry out care procedures and be available for questions regarding use.

1.3 Conditions for use and installation



Risk of fire and accidents

- > The conditions for use and installation listed in the "Technical Data" chapter must be met.
 - > Before inserting the device plug, ensure that the information on the rating plate matches the mains voltage for the installation.
-

 **WARNING**

Technical data
▷ page 109

Any necessary on-site preparatory work for electricity, water, and drainage connections at the customer's premises is to be arranged by the machine owner / operator. The work must be carried out by authorised installation technicians in compliance with general, country-specific and local regulations. The WMF Service engineers must only connect the coffee machine to existing prepared connection points. WMF Service is neither authorised nor responsible for carrying out any on-site installation work prior to connection.

2 Introduction

2.1 Parts of the coffee machine



"Ready to operate" display



Header line

Function line

- 1 Bean hopper (up to 2), lockable
- 2 Powder hopper (choc or topping, for example) (optional), lockable
- 3 Manual insert / tablet insert
- 4 Touch display for beverage buttons and settings
- 5 Combi spout with integrated milk foamer
- 6 Grounds container
- 7 SteamJet cup warmer
- 8 Removable drip tray with drip grid
- 9 Hot water spout / steam outlet (optional)
- 10 Water tank / descaling container (optional)
- 11 Operating panel
- 12 Side illumination
- 13 ON/OFF switch (operating panel open)

“Ready to operate” display

- 14 Menu pad (opens the main menu)
- 15 Beverage buttons
- 16 SteamJet pad
- 17 “Warm rinse” pad
- 18 Eco mode

The pads and buttons on the display are available, depending on the settings and the machine model.

The functions shown here are examples.

Software ▷ starting on page 32

User Manual Signs and Symbols



Personal injury safety instructions

If the safety instructions are not followed, this could lead to mild to severe injury in case of improper use.



WARNING

Safety instructions
Follow the *Safety chapter*
▷ starting on page 7



Personal injury safety instructions

If the safety instructions are not followed, this could lead to mild injury in case of improper use.



CAUTION

Operation safety instructions
▷ page 22
Care safety instructions
▷ page 70
Follow the *Safety chapter*
▷ starting on page 7



Electrocution



Hot steam



**Bruising or
crushing hazard**



Hot surfaces



Slipping hazard



Notice of property damage

- to the coffee machine
 - to the installation location
- > Always follow the User Manual.
-

IMPORTANT

Follow the *Warranty chapter*
▷ starting on page 108
Technical data
▷ starting on page 109



Note / tip

- Instructions for safe use and tips for easier operation.
-

NOTE

TIP

Glossary

Term	Explanation
•	• Listings, selection options
*†	*† Individual steps
<i>Text in italics</i>	<i>Description of coffee machine state and/or explanations of automatic steps.</i>
Barista	Professional coffee server
Choc	Hot chocolate
Decaf	Decaffeinated coffee
Beverage dispensing	Dispensing coffee, hot water, or powdered beverages
Main water supply tap	Water stop valve, angle valve
Carbonate hardness	Quoted in °dKH. The water hardness is a measure of the calcium dissolved in the drinking water.
Combi spout	Standard is double spout. Option available for single spout.
Milk system	Combi spout, milk nozzle and milk hose
Mixer system	Complete module, mixer with portion controller for powder beverages
Pre-infusion	Prior to brewing cycle, coffee is briefly infused in order to ensure a more intense release of its aromatic substances.
Pressing	Automatic pressing of ground coffee prior to brewing cycle.
Powder beverages	Such as Choc or Topping
Capacity	For example: the capacity of the water filter in litres
Grounds chute	▷ Grounds disposal through the counter, page 30
SB mode (self service mode)	Self-service customer operation
Rinsing	Intermediate cleaning
Additions	Components of a recipe for a beverage, in addition to coffee, such as milk, milk foam, Choc and topping.

3 Operation

3.1 Operation safety instructions



Burn hazard / scalding hazard



- When dispensing beverages and steam, hot liquid comes out of the spouts. The adjacent surfaces and spouts become hot.



- > When dispensing beverages and steam, do not reach beneath the spouts.
 - > Do not touch the spouts immediately after dispensing.
 - > Always place an appropriate cup under the spout before dispensing a beverage.
-



CAUTION

*Follow the Safety chapter
▷ starting on page 7*



Health hazard

- > Only use products that are suitable for consumption and for use with the coffee machine.
 - > The powder hopper, bean hopper, and manual insert may only be filled with materials for the use intended.
-



CAUTION

*Follow the Safety chapter
▷ starting on page 7*

3.2 Other documents

With syrup station option

- Follow the User Manual for the syrup station.
- Follow the Cleaning instructions for the syrup station.

3.3 Switch on the coffee machine

* Slide the operating panel upward

The ON/OFF switch is on the right side, behind the operating panel.

* Press the ON/OFF switch

Coffee machine switches on and heats up.

An automatic warm rinsing starts.

When the coffee machine is ready to dispense beverages, the "Ready to operate" display appears.

The coffee machine can be switched on and off using the timer.



PIN access control

▷ PIN rights

page 55

Set timer switching times

▷ Timer

page 58

3.4 Milk or milk foam (optional)

3.4.1 Connect up the milk

Basic Milk

Use a suitable milk nozzle on the combi spout.

Colour	Milk temperature
• green	very cold milk (up to 8 °C)
• white	chilled milk (8 to 16 °C)
• caramel	non-chilled milk (above 16 °C)

* Open the milk packaging and place it on the left next to the coffee machine

* Insert the milk hose with the beige milk nozzle into the milk pack

The hose must reach down to the floor of the milk package.

The hose must not be under tension or bent when adjusting the height of the combi spout.



Cooler version



With WMF milk cooler, WMF Cup&Cool,
Easy Milk, Dynamic Milk (optional)



Bruising or crushing hazard / risk of injury



- Risk of pinching due to rotating gears.
 - > Do not open the milk pump. The milk pump may be opened only by the Service department.
-

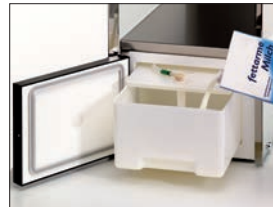
 **CAUTION**

Basic Milk

- * Insert the milk nozzle for chilled milk into the milk connection on the combi spout
-
- * Remove the milk container from the cooler
 - * Push the milk container lid back
 - * Pour milk into the milk container
 - * Place the lid back on the container
 - * Insert the adapter on the milk hose into the connection in the milk container lid
 - * Push the milk container back in carefully



Milk container adapter



Milk container

3.4.2 Milk or milk foam dispensing

- * Place a cup of the appropriate size beneath the combi spout
- * Touch the beverage button assigned to milk or milk foam

The beverage is dispensed according to the recipe settings (dispensing option, milk foam quality, etc.)

Dispensing option

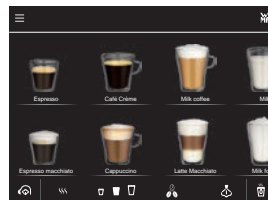
*▷ Cup volume
page 40*

Start-Stop or metered

3.5 Beverage dispensing

Pressing the beverage buttons triggers dispensing of the beverage selected.

- Illuminated button = ready to dispense
 - Unlit button = not ready to dispense / button disabled
- ✳ Place a cup of the appropriate size beneath the combi spout
- ✳ Touch the desired beverage button



Button layout
 ▷ Operating options
 page 50

Cancel beverage

- ✳ Touch the desired beverage button again

3.6 Pre-selection pads (optional)

Depending on the model, pre-selection pads such as the caffeine-free pad may be available on the display. These are pre-selection pads that define the desired pre-selection prior to beverage selection using the beverage buttons.



Example:
 Caffeine-free pad
 ▷ page 35

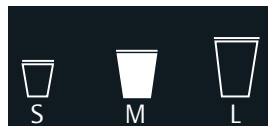
3.7 Special buttons (optional)

Special buttons for beverage sizes S and L are optionally available on the display. These are pre-selection buttons which establish the desired size of the beverage before selection of the beverage.

M = amount of the beverage set, no pre-selection

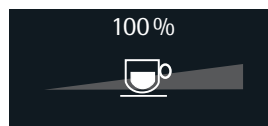
S = approx. 25% less than M

L = approx. 25% more than M



3.8 Open cup volume selection

Free selection of the cup volume is optionally available. Depending on the setting, the cup volume can be adjusted in post-select mode after the beverage has been selected.



3.9 Hot water dispensing

- * Place a cup of the appropriate size beneath the hot water spout
- * Touch the hot water button

Dispensing occurs according to the dispensing option.



3.10 Basic Steam (optional)



Burn hazard / scalding hazard



- When dispensing beverages and steam, hot liquid comes out of the spouts. The adjacent surfaces and spouts become hot.



- > When dispensing beverages and steam, do not reach beneath the spouts.
- > Do not touch the spouts immediately after dispensing.
- > Always place an appropriate cup under the spout before dispensing a beverage.



CAUTION

*Follow the Safety chapter
▷ starting on page 7*

- * Press the steam button

Steam is dispensed for as long as the steam button is held.

- Steam warms beverages
- Steam manually foams milk

Warm beverages

- * Use as tall and slim a Cromargan® jug as possible, with handle
 - * Fill jug to no more than half way
 - * Immerse steam nozzle deep into the jug
 - * Press and hold steam button until desired temperature is reached
 - * Release steam button
 - * Swing steam outlet over to the drip tray
 - * Briefly press the steam button
- Residue in the steam outlet tube is rinsed.*
- * Wipe the steam outlet with a damp cloth

*A Cromargan® jug, such as
WMF order number 03 9090 0030
or 03 9090 0050*

Foam milk



> Do not overheat milk when foaming, otherwise milk foam volume decreases.

TIP

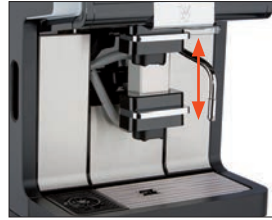
- * Use as tall and slim a Cromargan® jug as possible, with handle
 - * Fill jug to no more than half way
 - * Immerse steam nozzle into jug to just under the surface
 - * Press and hold steam button whilst rotating jug in a clockwise direction
- A thick creamy milk foam results.*
- * Release steam button
 - * Swing steam outlet over to the drip tray
 - * Briefly press the steam button
- Residue in the steam outlet tube is rinsed.*
- * Wipe the steam outlet with a damp cloth

3.11 Height adjustment of the combi spout

The combi spout is height adjustable.

※ Take hold of the spout on the clip from the front and push to the desired height

Clearance height: 70–175 mm



Automatic height adjustment (optional)

The cup height is saved with the beverage for automatic height adjustment (only for Dynamic Milk or in the self-service package). Prior to beverage dispensing, the combi spout automatically moves to the optimal height.

Clearance height: up to 175 mm

Cup height
▷ page 45

3.12 Bean hopper / powder hopper lockable

If possible, refill product hoppers in advance. Fill the hoppers no more than the amount needed for one day, in order to maintain the freshness of the products.



- ! • Foreign objects can damage the grinders. Such damage is not covered under the warranty.
 - > Ensure that no foreign objects land in the coffee bean hopper.

IMPORTANT

Follow the Warranty chapter
▷ starting on page 108

3.13 Manual insert, lockable

The manual insert is located in the center of the coffee machine cover.

Manual insert is used

- For inserting cleaning tablets
- When using additional coffee types, such as decaffeinated coffee
- For coffee sampling



Tablet insert



- Add ground coffee or cleaning tablet only after the display message.
- Use only ground coffee in the manual insert.
- Do not use water-soluble powdered coffee.
- Do not use coffee that is ground too finely.

Preparation of ground coffee using the manual insert

- * Open manual insert lid
- * Insert ground coffee (maximum 16 g)
- * Close manual insert lid
- * Touch the desired beverage button

IMPORTANT

Follow the Warranty chapter
▷ starting on page 108



Manual insert

3.14 Grounds container

The grounds container receives the used coffee grounds. It has enough capacity to store coffee grounds from approx. 50 brewing cycles. The display shows a message as soon as the grounds container needs to be emptied. Beverage dispensing is blocked for as long as the grounds container is removed.

- * Slide the combi spout upward
- * Remove grounds container
- * Empty and replace grounds container
- * Confirm process on the display



Clean grounds container
▷ Manual cleaning
page 84



- Replacing without emptying will result in the coffee grounds container being overfilled. The coffee machine will be soiled. This may cause subsequent damage to the machine.
 - > Always empty the grounds container before replacing.
 - > If grounds container cannot be replaced, check chute for coffee residue and remove.

IMPORTANT

Follow the Warranty chapter
▷ starting on page 108

3.15 Grounds disposal through the counter (optional)

The coffee machine can be fitted with grounds disposal through the counter. In this case, both the grounds container and the coffee machine base have an opening that passes through the on-site counter on which the machine is placed. The spent coffee grounds are collected in a separate container under the counter.

Important

Clean grounds chute daily
▷ *Manual cleaning*
page 84

3.16 Drip tray



Scalding hazard



- The drip tray may contain hot liquids.
 - > Be careful when moving the drip tray.
 - > Replace carefully so that no water accidentally drips down.
-



Follow the Safety chapter
▷ *starting on page 7*
Clean drip tray daily
Care
▷ *starting on page 70*



On coffee machines with a drain connection the drip tray may also be removed (e.g. for cleaning).



For coffee machines without a drain connection, the drip tray must be emptied regularly.

- * Remove the drip tray carefully, empty it, and then reinsert the drip tray



3.16.1 Drip tray sensor (optional)

If the machine is equipped with a drip tray sensor, then the coffee machine will indicate on the display when the maximum fill level is reached.

- * After the display message appears, remove the drip tray carefully, empty it, and then reinsert the drip tray

3.17 Switch off the coffee machine



Take care to work hygienically

- Germs that are hazardous to health can grow in the coffee machine.
- > Perform daily cleaning before switching off the coffee machine.



Follow the manual

- If this is not followed, the liability is invalidated in the event of any resultant damage.

* Slide the operating panel upward

The ON/OFF switch is on the right side, behind the operating panel.

* Press the ON/OFF button briefly until a signal sounds

Coffee machine switches off.

* Disconnect mains plug

* Turn off main water supply tap



CAUTION

Follow the Safety chapter

▷ starting on page 7

Clean the coffee machine as shown in the manual.

Care

▷ starting on page 70

IMPORTANT

Follow the Warranty chapter

▷ starting on page 108



PIN access control

▷ PIN rights

page 55

4 Software



- When adjusting beverages, the same safety instructions apply as for operating the coffee machine.
- > Follow all operation safety instructions.

CAUTION

Operation safety instructions
 ▷ page 22

4.1 Overview

Ready to operate

page 34














Button layout
 ▷ Operating options
 page 50

The pads and buttons on the display are available, depending on the settings and the machine model.

"Ready to operate" display pads

page 34

	SteamJet cup warmer		Eco mode display
	Beverage size (S-M-L)		Warm rinsing
	Steam button		Barista (coffee strength)
	2. Type of coffee (decaf)		Hot water
	Milk system refill		Cup size adjustment
	Nutritional information		

Main menu functions

starting on page 37



Care

page 37



Beverages

page 39



Operating options

page 47



Information

page 53



Accounting

page 54



PIN rights

page 55



Timer

page 57



System

page 60



Language

page 67



Eco mode

page 67



USB

page 68

Menu control pads



Main menu / back



Confirm value / setting



PIN entry



Delete value / setting



Next / start



Preparation test



Load settings



Back



Save settings



Show keyboard

Messages on the display



Event and error message



Milk temperature display
(optional)

4.2 "Ready to operate" display

The display shown when "Ready to operate" depends on the individual settings and options of the coffee machine.

4.2.1 Beverage buttons

All beverage buttons that are ready to dispense are illuminated.

Depending on the button layout selected, a horizontal swipe on the display can bring up additional beverages.



Example: cappuccino button

Button layout

▷ *Operating options*
page 50

4.2.2 Function line

SteamJet pad

For heating cups.



SteamJet pad
page 48

"Warm rinse" pad

✳ Touch the "warm rinse" pad

A rinse of the pipes with hot water starts. The water warms the brewing system and guarantees an optimum coffee temperature.

Recommended after a longer brewing pause, especially before dispensing a cup of espresso.



"Warm rinse" pad active/inactive
▷ *Operating options*
page 48

Cup size adjustment

For selecting beverage size for the next beverage.



Cup size adjustment
▷ *Operating options*
Page 49

S-M-L pad

For pre-selecting beverage sizes. The beverages must be set up accordingly beforehand.



S-M-L
 ▷ Software
 ▷ System
 page 65

Barista pad – coffee strength

	Display	Coffee strength
without touching	2 beans	normal, as per setting
touch 1x	3 beans	15% stronger than the setting *
touch 2x	1 bean	15% weaker than the setting *



Barista pad active/inactive
 ▷ Operating options
 page 47

* Maximum quantity of ground coffee 15 g per brewing cycle

The coffee strength will be altered for the next brewing cycle only.

Milk system refill

For automatic "Milk system refill".



Milk system refill
 ▷ Operating options
 page 50

Steam button

The steam button is used to dispense hot steam for warming beverages.
 Milk can be foamed by means of the steam button.



Hot water button

Hot water button or hot water dispensing.
 A beverage button can also be assigned for hot water.



4.2.3 SteamJet cup warmer



Burn hazard / scalding hazard



- Hot steam is produced by the SteamJet cup warmer. The cups and adjacent surfaces also get very hot.



- > Use heat-resistant cups.
 - > Always place a cup upside-down over the cup warmer before dispensing steam.
 - > Do not touch the adjacent surfaces immediately after dispensing.
 - > Do not touch the spouts immediately after dispensing.
 - > Never use the SteamJet function without the drip grid in place or without the cup warmer insert.
-



CAUTION

Follow the Safety chapter
▷ starting on page 7
Clean drip tray daily
Care
▷ starting on page 70



Health hazard / hygiene


- The SteamJet function is intended for warming the drinking vessel and is not intended to be used for cleaning.
 - > Always use freshly washed drinking vessels when warming cups.
-



CAUTION

Follow the Safety chapter
▷ starting on page 7

The SteamJet cup warmer can use steam to warm up cups.

- * Place a cup on the cup warmer with the opening facing downward
- * Touch the  pad

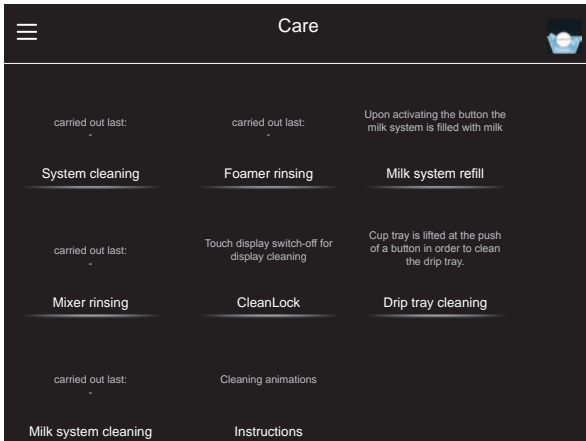
*Hot steam slowly flows into the cup from below.
The jet of steam stays on for the time set in the settings.*

- * Touch the SteamJet pad again
The steam jet stops immediately.



SteamJet pad active/inactive
▷ Operating options
page 48

4.3 Care



Menu control pads

▷ Overview
page 33

Care

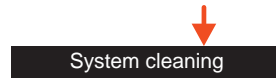
▷ starting on page 70

HACCP cleaning schedule

▷ starting on page 93

System cleaning

With switch off or without switch off of the coffee machine after system cleaning.

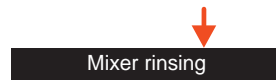


System cleaning

▷ Care
starting on page 73

Mixer rinsing

Mixer rinsing is an intermediate cleaning of the mixer.

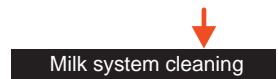


Mixer rinsing

▷ Care
page 75

Milk system cleaning

Milk system cleaning can be started separately. This makes sense if there are longer periods between dispensing milk beverages. The milk system cleaning program cleans the milk system



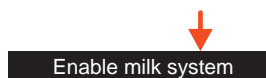
Milk system cleaning

▷ Care
page 77

Enable milk system

During cleaning, the system asks whether milk beverages should be enabled after cleaning. If “no” is selected, then only beverages without milk will be available afterward.

“Enable milk system” means that milk beverages will be available again.



Foamer rinsing

Foamer rinsing is an intermediate cleaning process for the milk foamer.



Foamer rinsing
▷ Care
page 76

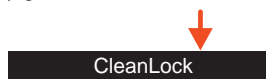
CleanLock

※ Touch **CleanLock**

A 15-second countdown starts.

The touch display can now be cleaned.

The touch display is activated again 15 seconds after the last time it was touched.



Clean the operating panel
▷ Care
starting on page 83

Instructions

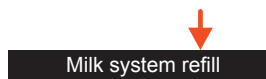
Animated instructions about the available cleaning programs and for installing and removing the mixer and combi spout for cleaning.



Filling the milk system (Dynamic Milk)

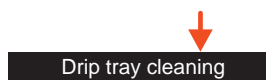
This function fills the milk system for dispensing cold beverages.

※ Touch **Milk system refill**



Drip tray cleaning

The combi spout moves upward when the “Drip tray cleaning” pad is touched. The drip tray can then be cleaned.



Clean drip tray
▷ Care
page 87

4.4 Beverages



General information

Dispensing test

For many beverage settings, it is possible to start a dispensing test with the new settings before the recipe is saved.

- * Modify the settings as desired
- * Touch the "Dispensing test" pad
The beverage is dispensed using the newly changed values.
- * If the beverage is as desired, touch the Save symbol
The recipe is saved.



Example: cappuccino button

Save recipes

The modified recipe is saved.



Load recipes

A saved recipe is loaded to a beverage button here.

- * Touch a beverage button
- * Touch the "Load recipes" pad
A submenu opens.
- * Mark the desired recipe
- * Touch the "Save recipes" pad
The beverage button is assigned to the newly selected recipe.



Cup volume, multiple brewing, and dispensing option



Cup volume

Set the desired cup volume.
The recipe is adjusted accordingly.
100% indicates the previously saved value.

S-M-L Function

The S-M-L function is activated in the menu system.
The cup volume can also be set to a different general level for all beverages using the operating options.
For individual beverages that deviate from the standard, the S-M-L quantity can be changed under cup volume.

Each size can also be individually set to active or inactive. Inactive means that the size no longer appears as a selection for the individual beverage.

Activate S-M-L and make a change for all beverages

▷ Software
▷ System
page 65

Special buttons
▷ Operation
page 25

Cup volume S-M-L

The recipes for the sizes S and L are generated.
M is as set.

Default value:

S = 25% less than the setting.

L = 25% more than the setting.

	S	M	L
	72	97	122
	73	98	123
	74	99	124
%	75	100	125
	76	101	126
	77	102	127
	78	103	128
	<input checked="" type="checkbox"/> S-active	<input checked="" type="checkbox"/> Active	<input type="checkbox"/> L-active

Change S-M-L for individual beverages

▷ Cup volume

Multiple brewing cycles

The beverage is brewed several times, as set. Up to 12 times the set quantity can be dispensed with one push of a button.

Available for beverages with coffee and with milk mixtures, as well as for hot water with the "metered" dispensing option.

Dispensing option

- **Start-Stop**

The dispensing runs until the set volume is reached.

The dispensing can be stopped sooner by touching the button again.

- **Start-Stop-Freeflow**

A brief press of a button starts start-stop dispensing.

A longer press of the button, for more than 1 second, starts freeflow dispensing.

- **Freeflow**

The beverage or steam is output for as long as the button is pressed and held.

- **Metered**

The set volume is dispensed. The dispensing option is available for milk, foam, and hot water.

The dispensing option can be set for hot water, milk, and milk foam.

Change recipes



Menu control pads
 ▷ Overview
 page 33



Current recipe composition

The additions in the recipe are displayed here.
 The sequence of preparation is from left to right.
 Additions that are above or below each other are processed at the same time.
 The software indicates whether desired options are not technically possible.

Inventory of factory additions

The additions that can be used for the recipe are shown here.

✳ Press the desired addition and then touch the desired position in the recipe composition again
The addition is immediately inserted at the desired position.

Delete addition

Delete a marked addition from the current recipe composition.



Change addition

※ Mark the addition and touch the symbol "Change addition"

The "Change addition" menu opens.

The various options for the selected addition are displayed.

The saved and current data are displayed.



The current values



The values saved by Service



The factory values



Ground coffee quantity

Enter in grams (g)



Water quantity / milk quantity

Enter in millilitres (ml)



Dynamic Milk foam quality levels

Coffee machines with Dynamic Milk can use different milk foam quality levels for each beverage.

It is possible to combine several milk foam quality levels in one beverage.

- Compact** Firm milk foam. Recommended for cappuccinos with a brown edge and for beverages where the appearance of the milk foam is important, along with balanced milk flavour.
- Fluid** Very fine milk foam. Recommended for cappuccinos with balanced and very distinct milk flavour. Optimal blending of coffee and milk.
- Creamy** Milk foam with a shiny surface. Recommended for milk beverages with balanced milk flavour and a good blend of coffee and milk.
- Fluffy** Fluffy, light milk foam with a somewhat coarser bubble structure and balanced milk flavour.

Coffee quality

The quality levels influence the coffee brewing cycle. The higher the quality level, the more intensive the release of the flavor and aromatic substances in the coffee.



Quality levels

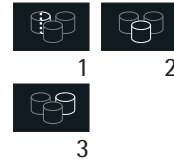
- 1 After pressing, space is provided for the ground coffee to swell.
- 2 After pressing, the coffee is brewed immediately.
- 3 After pressing, a pre-infusion occurs.
- 4 After pressing and a pre-infusion, a second wet pressing occurs.
- 5 Same as for Quality 4, but with stronger wet pressing.
- 6 Same as for Quality 5, but with stronger wet pressing.
- 7 Same as for Quality 6, but with longer wet pressing.

Note.

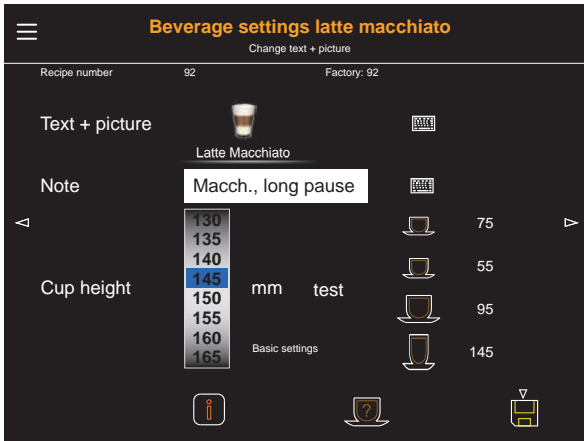
If very finely ground coffee is used with a small amount of brewing water, a high quality level can cause a brewing water flow error.

Select coffee grinder

A full portion of coffee to be ground corresponds to 10. The total amount can be produced cumulatively by different grinders. This means that a variety of individual recipes are possible.



Text, image and cup height



Menu control pads
▷ Overview
page 33

Text and picture

The beverage name and photo of a beverage button are adjusted here.
Activate the keyboard by touching the keyboard pad.

Load custom beverage pictures
▷ USB
page 68

Note

A note about the beverage can be saved here.

Cup height (optional)

With automatic height adjustment.
The cup height for the beverage is set here.
The cup symbols on the right side can be assigned to a cup height. These heights are saved by briefly touching the symbol.

For size "S" and "L" beverages, the size must be selected prior to selecting the beverage button.

Change buttons

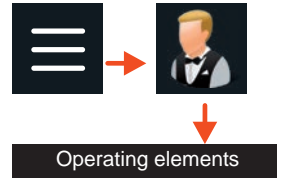
The positions of two beverage buttons are swapped here.

- * Touch a beverage button
- * Touch the "Change buttons" pad
- * Touch the beverage button that is to be swapped



4.5 Operating options

Operating elements



SB mode (self-service)

For self service mode, a few functions can be switched to inactive.

These functions and their pads are not displayed in the inactive state.

Options: • active • inactive

Default value: inactive

SB mode active means that the following settings are set at the same time.

- Barista pad: inactive
- "Warm rinse" pad: inactive
- Nutritional information: inactive
- Menu pad: delayed
- SteamJet: inactive
- Error number: inactive
- Cup size adjustment: inactive
- Language preselection: inactive
- Beverage pre-selection: inactive
- Cancel beverage: inactive

Barista pad

Options: • active • inactive

Default value: active

active The pad is displayed when "Ready to operate".

“Warm rinse” pad

Options: • active • inactive

Default value: active

active The pad is displayed when “Ready to operate”.

Nutritional information

Displays ingredients and nutritional information for each beverage.

Enter nutritional information
▷ System
▷ Nutritional information
page 66

Options: • active • inactive

Default value: inactive

Menu pad

Options: • active • inactive

Default value: active

active The menu pad reacts immediately when the pad is touched.

inactive Touching the empty pad twice calls up the main menu.

SteamJet

Options: • active • inactive

Default value: inactive

active The pad is displayed when “Ready to operate”.

Error message

The error is displayed in various colours in the header bar on the display.

Options: • active • inactive

Default value: active

active The errors are shown on the display as a text message.

Cup size adjustment

The free selection of cup volume can be activated in the operating options.

The cup volume can be adjusted to the cup size used prior to selecting the beverage.

Options: • active • inactive

Default value: inactive

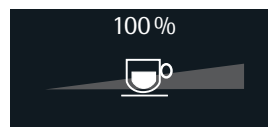
Sliding the cup on the controller to the right increases the cup volume, and sliding left reduces it.

The cup volume is indicated in percent.

Controller in the centre 100% as set

Controller all the way left 50% less

Controller all the way right 50% more



Language pre-selection

This setting determines whether languages and flags can be set from the beverage settings. "Language pre-selection" can be activated here, or by selecting the "Self-service+Flags" button layout.

Options: • active • inactive

Default value: inactive

Button layout "Self-service+Flags"
 ▷ *Button layout*
page 50

Milk system refill

This function fills the milk system. "Milk system refill" can be activated here.

Milk system refill
▷ Care
page 38

Options: • active • inactive

Default value: inactive

active The errors are shown on the display as a text message.

Button layout

Various standard button layouts are saved here can be selected.



PostSelection

Options: • active • inactive

Default value: inactive

active The type of coffee and the amount of the beverage are requested after the beverage has been selected.

The names of the types of coffee and the sizes can be modified. (Type of coffee and S-M-L). The displays and options will vary, depending on the model.



- Size 1, 2 and 3
- Portioner 1, 2, and 3
- Types of milk
- Cold beverages
- Syrup 1, 2, 3, and 4 (optional)


For self service mode, a few functions can be switched to inactive.

The functions and their pads are not displayed in the inactive state.

Caffeine-free

Options: • active • inactive

Default value: inactive



Caffeine-free

Decaf factor

The value for the Decaf factor is entered here. Ground coffee quantity for Decaf (decaffeinated coffee) is set by percentage for the ground coffee quantity set in the recipe. This setting applies to all coffee beverages with pre-selected "Decaf".

For a Decaf factor of 15%, café crème is brewed with 15% more ground coffee, for example, when prepared using the Decaf function.

Beverage pre-selection

Options: • active • inactive

Default value: inactive

active Previously selected beverages are dispensed without touching the button again. The header line displays, "Beverage pre-selection active".



Beverage pre-selection

Cancel beverage

Options: • active • inactive

Default value: inactive

active Beverage dispensing can be interrupted by touching the beverage button again.

Logo

Manufacturer's logo

Options: • active • inactive

Default value: active

active The manufacturer's logo is shown at the top right of the ready-to-operate display.

Customer logo

Options: • active • inactive

Default value: inactive

active When the option is set to "active" and a customer logo has been downloaded, the customer logo is shown at the center of the header line when ready to operate. It shows the customer logo when the vending devices are connected. In this case, both logos cannot be displayed.

Load customer logo

Insert the USB stick containing the customer logo.
Load the customer logo.

Size of customer logo

The logo must not be greater than 80 pixels high.
Larger logos will be scaled to this size automatically.

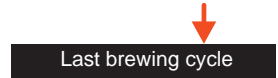
4.6 Information

The info menu has the following selection options, as described below.



Last brewing cycle

Information about the last brewing cycle.



Timer

The weekly overview of the timer opens. All switch-on and switch-off times are displayed in this overview.



Service

Contact data for WMF Service.
Serial number of the coffee machine.



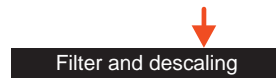
Care

The last cleaning and care actions that run via coffee machine programs are displayed here.



Water filter and descaling

Information on the remaining capacity of the water filter and the time of the next descaling.

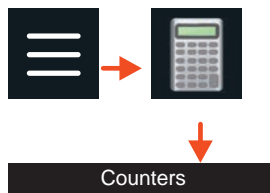


Journal

Records of events and faults during operation and cleaning of the coffee machine.



4.7 Accounting



Counters

The counters for the individual dispensed beverages and the totals of the beverages are displayed here. A record can be read out via the USB output.

Accounting				
Counters				
Beverage	1	2	3	4
2 Espresso M...	2	2	2	2
Espresso	1	1	1	1

Standard setting

- Counter 1 = day counter
- Counter 2 = week counter
- Counter 3 = month counter
- Counter 4 = year counter

 Each counter can be reset.

TIP

Vending machines

See vending machines User Manual.

External accounting

See the waiter accounting instructions.

Free of charge settings

The free settings are available, along with optional accounting units.



Free of charge settings

All free of charge

Options: • active • inactive

Default value: inactive

Beverage free of charge

Options: • active • inactive

Default value: inactive

Message display

When "All free of charge" is set to active, a text can be saved here. (e.g., "Free of charge") The text is displayed in the header bar.

Display beverage buttons

When "All free of charge" is set to active, a text for the beverage button can be saved here.

4.8 PIN rights

One PIN can be assigned for each of the areas listed below.

- Cleaning
- Settings
- Accounting



The PINs are hierarchical.

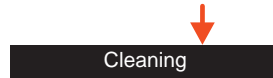
This means, for example: the settings PIN simultaneously grants all rights for the cleaning PIN, but not the rights for the accounting PIN.

If no PIN is assigned, then the area is accessible without a PIN. If a PIN has been assigned for a particular level, no access will be granted without a PIN.

Cleaning PIN









On entering the valid PIN, access granted to:

 Care



Settings PIN










On entering the valid PIN, access granted to:

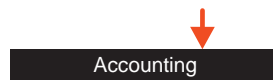
 Care	 Timer
 Beverages	 System
 Operating options	 Language
 Accounting (without "delete")	 USB



Accounting PIN

On entering the valid PIN, access granted to:

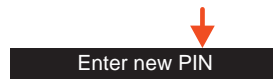
 Care	 PIN
 Beverages	 Timer
 Operating options	 System
 Accounting (with "delete")	 Language
	 USB



The Accounting PIN can be used to change the other two PIN numbers. If you have forgotten the Accounting PIN, it can be reset only by our service department.

Enter new PIN

Once a PIN has been assigned for access rights, the PIN number must be entered here in order to assign a new PIN.



4.9 Timer

Time / date

The current time of day and the date are set here.

Timer state

Information about the timer state.

Options: active inactive

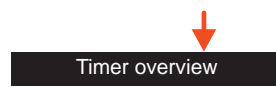
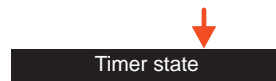
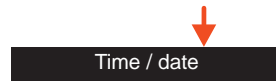
Default value: active

active The timer switching times are active.

inactive The timer switching times are not carried out.

Timer overview and setting the timer

Overview of all switch-on and switch-off times



Detail view of current day

Switching between daily and weekly overview.
The daily overview shows data for the current day.



Set timer switching times

- Select individual day or days.
- Set switch-on time and switch-off time.



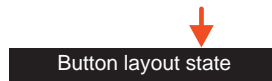
The times are set for all selected days.
After confirmation, a weekly overview is displayed with the switch time settings. The individual times can be modified in this weekly overview, as desired.

Button layout state

Options: • active • inactive

Default value: active inactive

active Button layouts can be assigned automatically via the timer.



For example, self-service from 21:00 to 06:00.

Button layout overview

An overview of all timer switching times for the button layout is shown here.

The settings can be modified directly in the overview.

Overview illustration and explanation of symbols

▷ *Timer overview, page 57*



Button layout overview

The minimum time for displaying a button layout is 30 minutes.

Eco mode state

Information about the Eco mode state.

Options: active inactive

Default value: active inactive



Eco mode state

Eco mode overview

An overview of all timer switching times for Eco mode is shown here.

The settings can be modified directly in the overview.

Overview illustration and explanation of symbols

▷ *Timer overview, page 57*



Eco mode overview

4.10 System



Cooler



Milk storage temperature

Enter the milk storage temperature here.
For example, <8 °C when using Cup&Cool.



*Possible with optional Cup&Cool
with temperature monitoring.*

Empty message

This setting determines whether a milk empty message will be shown. The empty message can be coupled with a beverage lockout. This is especially important for self-service mode, so that paid beverages are guaranteed to be dispensed completely.

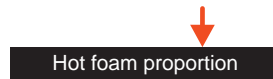
Temperature sensor

Measurement of milk temperature.

Hot foam proportion

Options: very little, little, middle, much, a lot

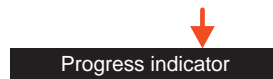
Default value: little




Progress indicator

Options: Line, circle, off

Default value: Line



Display and illumination



Display and illumination

Illumination

The illumination colour is set here.

Set the desired colour from the colour circle above the triangle. The colour can also be defined and set by means of RGB values.

There are also the following options:

- Slow colour change
- Standard colour change
- Quick colour change
- Off

The current setting is displayed immediately.



Illumination when ready to operate

- Operation sides colour

Event display (message)

Options: • active • inactive

Default value: inactive

active The illumination during a message can be adjusted.

For example, "Beans empty" message.

Illumination for messages (event)

- Event sides colour

Display brightness

The brightness of the display is adjusted here.

Reduce brightness automatically

Options: • active • inactive

Default value: active

active If "Reduce brightness" is set to active, then the display brightness is reduced automatically 5 minutes after the last beverage is dispensed. If the display brightness has been dimmed, the display returns to the selected brightness level when it is first touched. The second time a beverage button is touched, the corresponding beverage is dispensed.

Touch calibration

Recalibrate the touch display.

Display background

The colour design for the touch display can be set here.

- Colour of the **main page**
- Colour for **additional pages**

Beverages: Font + colour

This setting determines whether the font size and colour are allowed to be changed.

Options: • active • inactive

Default value: inactive

Water filter

Options: active inactive

Default value: inactive

active Water filter is fitted. Capacity and water hardness are queried.

Measured carbonate hardness

Enter the measured water hardness in °dKH here.

* Request drinking water hardness reading from water supplier, or determine using WMF carbonate hardness test (complete with instructions) in the accessories

The carbonate hardness test is supplied with the accessories.



If the machine is run with the wrong water hardness setting, this can lead to severe lime buildup and thus to leaking valves.

No liability is assumed for any resulting damage.



Water filter

Note

If the water hardness is between 0 and 5 °dKH, no water filter is needed.

For coffee machines with a constant water supply, we recommend using the AquaBasic water filter.

NOTE

Measured total hardness

Enter the measured total hardness.

Filter capacity

Enter the filter capacity in litres here.

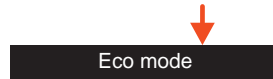
Eco mode

The Eco mode can be activated here.

Eco mode

Options: • active • inactive

Default value: inactive



▷ Eco mode
page 67

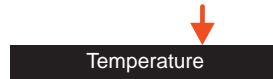
Switch off

Options: never, 30 min/60 min/90 min/120 min/
150 min/180 min

Default value: never

Temperature

The boiler water temperature is set here.
(coffee brewing water temperature)



Switch-off rinsing

Options: • active • inactive

Default value: active

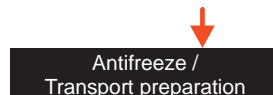
active When the coffee machine is switched off,
the switch-off rinsing must be run if milk
beverages have been dispensed since the last
time the machine was cleaned.



Antifreeze / transport preparation

The routine for partially emptying the boiler water
system is started here.

Partially emptying is necessary prior to shipping
via courier or package carrier, particularly in winter
months, in order to prevent damage.



Portioner

The names of the beans and powders used can be saved here.



Portioner

S-M-L Function

Small

Standard modification factor for beverage sizes for S-recipes that are newly activated.
Default value: 75%



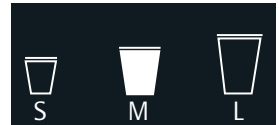
S-M-L

Large

Standard modification factor for beverage sizes for L-recipes that are newly activated.
Default value: 125%

Options: • active • inactive

Default value: inactive



Cup volume S-M-L

▷ Software

▷ Beverages

page 39

Tip

Beverage sizes S-M-L can also be defined in the recipe and are then available directly as a beverage button.

Bluetooth (optional)

The optional WMF Bluetooth stick is required for this function.

Options: • active • inactive

Default value: inactive

- * Set Bluetooth to active here
- * Open the operating panel
- * Insert the WMF Bluetooth stick on the back side of the operating panel
- * Switch the coffee machine off and on again



Bluetooth

Grinding degree setting

The grinding degree can be adjusted from the display.

Lower number -> finer grinding degree

Higher number -> more coarse grinding degree

Maximum half a grinding degree can be adjusted in each step. The grinder must be run between each adjustment.

Only for trained personnel and service.




Nutritional information

Detailed information on about nutritional values and ingredients can be captured here for each grinder, portioner, milk, and milk foam.

An overview is available.




Quality Check (Dynamic Milk)

External influences can cause changes to the milk temperature, milk foam volume, and milk foam quality in the milk system.

The "Quality check" menu can be used to reset the settings to their base values.

- * Fill the blue cleaning container with cold water
- * Connect the milk hose
- * Place a measuring cup with 500 ml capacity under the spout
- * Start the calibration
- * As soon as the measuring cup has been filled with 500 ml (+/- 20 ml), stop the calibration




4.11 Language

The language used in the display is set here.
The available languages are displayed in English.



4.12 Eco mode

If Eco mode is set to active, the steam boiler temperature is reduced 10 minutes after the last beverage is dispensed.

The beverage buttons remain lit.

If a beverage with a milk component is to be dispensed when the temperature is reduced, the coffee machine needs approx. 15 seconds to heat up.

Beverage dispensing starts after the machine has heated up.



▷ Eco mode
page 64

Eco mode

Options: • On • Off • Timer

Default value: On Off



The Eco mode can be activated here.

Eco mode display

The Eco mode symbol is displayed on the in the header bar of the "Ready to operate" display.
There are two states.

Eco mode "active"

The coffee machine is currently in the reduce phase.



Eco mode "ready"

Eco mode is based on idle time, 10 minutes after the latest beverage has been dispensed.



Immediate start

When Eco mode is set to "active," the Eco mode symbol is shown on the "Ready to operate" display.



Pressing the symbol activates Eco mode immediately. The symbol changes to "active."

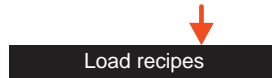
4.13 USB

Data exchange is possible via the USB connection. The USB connection is at the top left on the reverse side of the operating panel, behind a cover.



Load recipes

Saved recipes are loaded here.



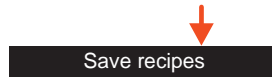
Load beverage symbols

Load photos or beverage symbols from USB stick.



Save recipes

Export recipes from the coffee machine to the USB stick.



Export counters

Export counters to USB stick.




HACCP export

The cleaning cycles performed are recorded and are exported here as evidence for HACCP.


HACCP export

Data backup


Data settings, such as machine data, beverage data, etc. are saved here.


Data backup

Load data

Data settings, such as machine data, beverage data, etc. are loaded here.

(Can be protected by a PIN.)


Load data


Load language

If available, another display language can be loaded to the coffee machine from the USB stick here.


Load language

Firmware update

For Service only.


Firmware update

5 Care

5.1 Care safety instructions

Regular cleaning is essential in order to ensure problem-free operation of the coffee machine and to ensure optimum coffee quality.



Health hazard / hygiene

- Milk is very sensitive. Germs that can pose a health hazard can build up in the milk system.
 - > Clean the milk system daily.
 - > For coffee machines without Plug&Clean, also perform manual cleaning of the combi spout after the end of operations each day.
 - > For coffee machines with Plug&Clean, also perform manual cleaning of the combi spout once per week after the end of operations.
 - > Replace the milk hose and the mixer hose when needed.
 - > Follow all hygiene instructions.
 - > Follow the HACCP cleaning schedule.
-



CAUTION

Follow the Safety chapter
▷ starting on page 7



Health hazard / hygiene

- Germs can multiply in a coffee machine that is not in use.
 - > Perform all cleaning work before and after the machine is shut off each time.
-



CAUTION

Follow the Safety chapter
▷ starting on page 7



Health hazard / hygiene

- All cleaning agents are perfectly tuned to the cleaning programs.
- > Use only WMF cleaning and descaling media.

CAUTION

Follow the Safety chapter
▷ starting on page 7



Health hazard / irritation and scalding hazard



- Hot cleaning fluid and hot water runs out of the combi spout when cleaning.
- Hot liquids can irritate the skin, and the heat poses a burn hazard.
- > Never reach under the spouts while cleaning.
- > Always lock out the touch display with "CleanLock" before cleaning.
- > Ensure that no one drinks the cleaning solution.

CAUTION

Follow the Safety chapter
▷ starting on page 7



Dynamic Milk

If no beverage with milk has been dispensed for 119 minutes, an automatic milk system cleaning is started and the system is filled with fresh milk.

NOTE



Note

- The next time the coffee machine is switched on, the milk will be filled again and the cleaning program will be finish.

NOTE

5.2 Cleaning intervals overview

Care					
Daily	Weekly	Regularly	Automatic	Message	
Cleaning programs					
x					System cleaning
x					Mixer rinsing
x					Milk system rinsing
x			x		Foamer rinsing
				x	Descaling
Manual cleaning					
x					Clean the operating panel (CleanLock)
x					Clean the grounds container
		x			Clean the brewing unit
	x				Clean the water tank
x					Clean the drip tray
x					Clean the housing
x					Cleaning the milk system, Basic Milk
	x				Cleaning the milk system, Plug&Clean
	x				Cleaning the milk system, Easy Milk
	x				Cleaning the milk system, Dynamic Milk
(x)	x				Clean the mixer *
		x			Clean the bean hopper
		x			Clean the powder hopper *



Cleaning programs
▷ starting on page 73

▷ starting on page 78

▷ page 83

▷ page 84

▷ page 84

▷ page 87

▷ page 87

▷ page 87

▷ page 77

▷ page 77

▷ page 77

▷ page 77

▷ page 90

▷ page 91

▷ page 92

Daily = Daily, at least once per day and as required

Weekly = Weekly cleaning

Regularly = Regularly as required

Automatic = Automatic processing

Message = When the display shows a message

(x) = Daily for severe soiling

* = Optional (depending on the model)

5.3 Cleaning programs

5.3.1 System cleaning

System cleaning is an automatic cleaning program and, depending on the milk system, uses either a WMF cleaning tablet or a cleaning liquid to clean the coffee system of the coffee machine.

A milk system cleaning and mixer rinsing are parts of the system cleaning.

Total duration is approx. 10 minutes.

Animated instructions

▷ *Coffee machine*

▷ *Main menu*

▷ *Care*

▷ *Instructions*

▷ *Syrup station cleaning instructions*



Health hazard / irritation and scalding hazard



- During cleaning, hot cleaning solution and hot water run out of the combi spout and out of the hot water spout.
- Hot liquids can irritate the skin, and the heat poses a burn hazard.
- > Never reach under the spouts while cleaning.
- > Ensure that no one drinks the cleaning solution.

 **CAUTION**

*Follow the Safety chapter
▷ starting on page 7*



The cleaning program provides a step-by-step guide through system cleaning on the display. Follow the messages.

IMPORTANT

*Follow the Warranty chapter
▷ starting on page 108*

System cleaning; Basic Milk

Start

- * Start the Care menu
- * Touch **System cleaning**

This query appears: "switch off after cleaning?"

- If confirmed with **Yes**, the coffee machine switches off after cleaning.
- If confirmed with **No**, the coffee machine remains switched on after cleaning.
- * Select desired option
- * Follow the information on the display



During cleaning, a small amount of rinse water may get into the coffee grounds container. This is not an error.

System cleaning; Basic Milk with Plug&Clean

For system cleaning for coffee machines with Plug&Clean, the Plug&Clean Adapter is used for cleaning.

Start

- * Start the Care menu
- * Touch **System cleaning**
- * Follow the information on the display



System cleaning; Easy Milk / Dynamic Milk



Health hazard / scalding hazard



- During the cleaning cycle, hot cleaning solution flows into the container.
- > Carefully empty the cleaning container after cleaning.



CAUTION

*Follow the Safety chapter
▷ starting on page 7*



Never place the cleaning container in the cooler while it is hot, as this can damage the cooler.

IMPORTANT

*Follow the Warranty chapter
▷ starting on page 108*

For system cleaning for coffee machines with Easy Milk / Dynamic Milk, the special blue cleaning container is required for cleaning.

Start

- * Start the Care menu
- * Touch **System cleaning**
- * Follow the information on the display



5.3.2 Mixer rinsing



Health hazard / scalding hazard



- During rinsing, hot rinsing water flows out of the combi spout.
- > Never reach under the spouts while rinsing.

Mixer rinsing can be started separately.

- * Start the Care menu
- * Touch **Mixer rinsing**
- * Follow the information on the display

5.3.3 Milk system cleaning



Health hazard / scalding hazard



- During rinsing, hot rinsing water flows out of the combi spout.
- > Never reach under the spouts while rinsing.

Milk system cleaning can be started separately. This makes sense if there are longer periods between dispensing milk beverages.

The milk system cleaning rinses the milk hose, the milk nozzles, and the combi spout.

- * Start the Care menu
- * Touch **Milk system cleaning**
- * Follow the information on the display



CAUTION

Follow the Safety chapter
▷ starting on page 7

Animated instructions

- ▷ Coffee machine
- ▷ Main menu
- ▷ Care
- ▷ Instructions



CAUTION

Follow the Safety chapter
▷ starting on page 7

Animated instructions

- ▷ Coffee machine
- ▷ Main menu
- ▷ Care
- ▷ Instructions

5.3.4 Foamer rinsing



Health hazard / scalding hazard



- During rinsing, hot rinsing water flows out of the combi spout.
- > Never reach under the spouts while rinsing.



CAUTION

Follow the Safety chapter
▷ starting on page 7

For coffee machines with Plug&Clean or Easy Milk, there is a foamer rinsing that can be started when needed. The foamer rinsing can also take place automatically. This is started automatically after 3 minutes since the last milk beverage was dispensed. An acoustic warning signal sounds before foamer rinsing starts automatically.

When the foamer rinsing is activated, there must be no previously dispensed beverages located beneath the combi spout.

- * Start the Care menu
- * Touch **Foamer rinsing**
- * Follow the information on the display

Animated instructions

- ▷ Coffee machine
- ▷ Main menu
- ▷ Care
- ▷ Instructions

5.3.5 Foamer rinsing Dynamic Milk

For coffee machines with Dynamic Milk, the foamer is rinsed automatically every 2 hours.

5.3.6 Milk system cleaning overview

Automatic cleaning programs

▷ page 73

Clean milk system manually,

▷ page 88

	Milk system			
	Basic Milk	Plug&Clean	Easy Milk	Dynamic Milk
Automatic foamer rinsing		x	x	x
System cleaning; Basic Milk	x			
System cleaning; using Plug&Clean Adapter		x		
System cleaning; with cleaning container			x	x
Daily ; clean milk system manually	x			
Weekly ; clean milk system manually		x	x	
Regularly ; manually clean the outside of the combi spout	x	x	x	x



If the foamer rinsing is set to "inactive", then manual cleaning of the milk system must be performed daily for machines with Plug&Clean or Easy Milk as well.

NOTE

5.4 Descaling



Health hazard / irritation and scalding hazard



- During cleaning and descaling, hot cleaning solution or descaling solution flows out of the combi spout.
 - Hot liquids can irritate the skin, and the heat poses a burn hazard.
 - Cleaning and descaling agents can be hazardous to health upon contact or if ingested.
 - > Never reach under the spouts while cleaning or descaling.
 - > Ensure that no one drinks the cleaning solution or descaling solution.
 - > Be familiar with the product information on the bottle of descaler.
-



CAUTION

Follow the Safety chapter
▷ starting on page 7



Burn hazard



- When dispensing beverages and steam, hot liquid comes out of the spouts. The adjacent surfaces and spouts become hot.
 - > If the coffee machine is still hot, a cooling routine starts first. Duration of the cooling routine is 5–10 minutes.
 - > Wait until the cooling routine has finished.
-



CAUTION

Follow the Safety chapter
▷ starting on page 7



- WMF care products are designed and tested for use with these materials. Any other descaling agent may cause damage to the coffee machine.
 - > Use only WMF Descaling Agent.
- No liability is accepted for damage caused by the use of any other descaling agent and guarantee / warranty claims will not be recognised.

IMPORTANT

Follow the Warranty chapter
▷ starting on page 108

The water hardness, the water flow, and whether a water filter is used determine the schedule for descaling. This point in time is calculated and displayed by the WMF 1500 S+.

Descaling takes place in four stages.

- Cooling routine (when machine is heated up)
- Preparation
- Descaling
- Rinsing



Total duration of descaling is approx. 80 minutes. The procedure may not be interrupted.

The following is needed for descaling:

- 2 bottles of WMF liquid descaling agent (0.75 litres each)
- 3 bottles of warm water (total 2.25 l)
- 5-litres collection container



Display messages lead you step by step through the program. Start begins a sequence that must be adhered to. Follow the messages.

IMPORTANT

Access descaling program

- * Start the Care menu
- * Touch **Descaling**
- * Continue with 5.4.1 or with 5.4.2
- * Follow the display messages

▷ Main menu
▷ Care
▷ Descaling

5.4.1 Descaling coffee machine with constant water supply

Cooling routine (when machine is heated up)

If the coffee machine is still hot, a cooling routine starts first.

Duration of the cooling routine is 5–10 minutes.



Burn hazard



- Hot steam comes out during the cooling routine.
- After final rinsing the steam boiler is heated up. The hot water expands and finally exits as steam.
 - > Do not reach beneath the spouts while descaling is in progress.
 - > Do not touch the hot spouts.

CAUTION

*Follow the Safety chapter
▷ starting on page 7*

Descaling

- * Remove water tank
- * Remove the water filter, if fitted
- * Stir liquid descaling agent in water tank with warm water
- * If crystals have formed when stored below the freezing point, stir until all crystals present in the liquid descaling agent have dissolved
- * Replace the water tank filled with descaling solution, and confirm on the display
- * Place a collection container with approx. 5 litres capacity under the coffee and hot water spout
- * Slide the combi spout downward

Descaling starts.

This part of the routine takes approx. 40 minutes.

- * Empty collection container
- * Empty remaining descaling solution from water tank
- * Rinse the water tank and fill to the maximum level with cold water

Crystals may form in the liquid descaling agent when stored.

The crystals must not enter the coffee machine.

The ideal water temperature is approx. 37 °C.

*Order numbers of the article
▷ Appendix
Accessories and spare parts
page 113*

- * Insert the water tank
- * Replace the collection container

Rinsing

Rinsing starts.

This part of the routine takes approx. 30 minutes.

- * When requested refill with fresh cold water
- * Empty collection container
- * Empty water tank
- * Replace the water filter, if fitted
- * Insert the water tank

The descaling is complete.

Completion is indicated on the display.

5.4.2 Descaling coffee machine with constant water supply

Cooling routine (when machine is heated up)

If the coffee machine is still hot, a cooling routine starts first.

Duration of the cooling routine is 5–10 minutes.



Burn hazard



- Hot steam comes out during the cooling routine.
- After final rinsing the steam boiler is heated up. The hot water expands and finally exits as steam.
 - > Do not reach beneath the spouts while descaling is in progress.
 - > Do not touch the hot spouts.



CAUTION

*Follow the Safety chapter
▷ starting on page 7*

Descaling

- * Turn off main water supply tap
- * Remove water tank
- * Turn and remove seal plug on water tank coupling counter-clockwise
(flat screwdriver, see illustration 1 and 2)
- * Stir liquid descaling agent in water tank with warm water
- * If crystals have formed when stored below the freezing point, stir until all crystals present in the liquid descaling agent have dissolved
- * Replace the water tank filled with descaling solution, and confirm on the display
- * Place a collection container with approx. 5 litres capacity under the coffee and hot water spout
- * Slide the combi spout downward

Descaling starts.

This part of the routine takes approx. 40 minutes.

- * Empty collection container
- * Empty remaining descaling solution from water tank
- * Rinse the water tank and fill to the maximum level with cold water
- * Insert the water tank
- * Replace the collection container

The water tank coupling is located behind the water tank.

▷ *Illustration 1*



Illustration 1



Illustration 2

Crystals may form in the liquid descaling agent when stored. The crystals must not enter the coffee machine.

The ideal water temperature is approx. 37 °C.

*Order numbers of the article
▷ Appendix
Accessories and spare parts
page 113*

Rinsing

Rinsing starts.

This part of the routine takes approx. 30 minutes.

- * Empty collection container
- * Empty and dry the water tank
- * Thread in the sealing plug again (use a flat screwdriver; see illustration 1 and 2)
- * Insert the water tank
- * Replace the collection container
- * Turn on main water supply tap

Subsequent rinses are from the mains supply.

The descaling is complete.

Completion is indicated on the display.

5.5 Manual cleaning

Order numbers for the WMF care program
 ▷ Accessories and spare parts page 113

5.5.1 Clean the operating panel (CleanLock)

Touch "CleanLock" to start a 15-second countdown. The touch display can now be cleaned. The touch display is activated again 15 seconds after the last time it was touched.



Scalding hazard

- Risk of injury of beverage is started accidentally.
 - > Always lock out the touch display with "CleanLock" before cleaning.



CAUTION

Follow the Safety chapter
 ▷ starting on page 7



- There is a risk of causing scratches or scoring.
 - > Do not clean with scouring powders or the like.
 - > Do not use any sharp cleaners or implements.
 - > Use soft cloths for cleaning.

IMPORTANT

Follow the Warranty chapter
 ▷ starting on page 108

5.5.2 Clean the grounds container (grounds chute, optional)

- * Empty grounds container and rinse under running drinking water
- * Clean with a clean, damp cloth
- * Dry the grounds container and replace it




 > Never use force. Danger of breakage.

IMPORTANT

Follow the Warranty chapter
▷ starting on page 108

5.5.3 Clean the brewing unit

Bruising or crushing hazard / risk of injury

-  • The coffee machine contains moving parts that can cause finger or hand injury.
 - There is a risk of pinching when removing the brewing unit.
 - > Always switch off the coffee machine and unplug the mains plug before reaching into the coffee grinder or opening brewing unit.
 - > Hold the brewing unit tightly and remove it carefully.
-

CAUTION

Follow the Safety chapter
▷ starting on page 7

The brewing unit should be cleaned as required and at regular intervals. Recommendation: monthly.

- * Press the ON/OFF switch until coffee machine switches off
- * Disconnect mains plug
- * Push combi spout all the way up
- * Remove grounds container
- * Remove the drip tray

Brewing unit is now fully accessible.



Burn hazard



- The brewing unit can still be hot immediately after switching off.
- > Allow the coffee machine to cool before cleaning.



- The brewing unit can slip downwards.
- > Always hold the brewing unit securely.
- > Never use force. Danger of breakage.

- * With one hand, reach into the chute under the brewing unit and release and hold the retaining catch (illustration 1)
- * Slowly guide the brewing unit downwards, tilt and pull forward
- * Remove the brewing unit and hold firmly (illustration 2)

Use the multitool from the accessories.

- * Turn the thread on the brewing unit head counter-clockwise (illustration 3) until the scraper is in the forward position
- * Squeeze the funnel [1] slightly and pull it up to remove it
- * Pull the springs outward and press them down
This unlocks the insertion chute.

- * Swing the insertion chute [2] upwards
- * Clean the brewing sieve under running water or with a cloth

CAUTION

Follow the Safety chapter
▷ starting on page 7

IMPORTANT

Follow the Warranty chapter
▷ starting on page 108

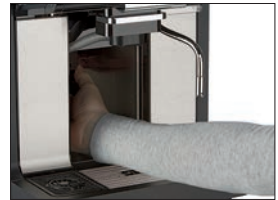


Illustration 1



Illustration 2

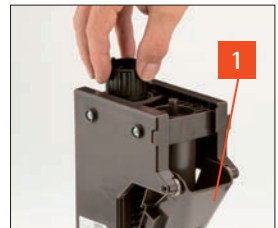


Illustration 3



Illustration 4

- * Remove coffee grounds residue using a paint-brush or scrubber
- * Rinse the brewing unit under running water



Potential damage

- The brewing unit can be damaged by cleaning agent or in a dishwasher
 - > Only use water to clean the brewing unit.
 - > Never clean the brewing unit in the dishwasher.

- * Dry the brewing unit with a cloth
Allow to dry completely before reinstalling in the coffee machine.

Remove coffee grounds residue from the chute.

- * Wipe out the coffee grounds forward or suck out using a vacuum cleaner
- * Replace springs in insertion chute (illustration 5)
- * Squeeze the funnel [1] slightly and re-insert it

Use the guides.

Refit the brewing unit after it has been dried.

- * Hold the retaining catch compressed and replace the brewing unit in the chute against rear cover
- * Push the brewing unit upwards until it engages in the retaining catch
- * Insert the grounds container
- * Replace drip tray



If the brewing unit cannot be inserted without resistance:

- > Turn the thread on the brewing unit head slightly to the left or right with the multitool until the brewing unit slides into the guide.
- > Never use force. Danger of breakage.

IMPORTANT

Follow the Warranty chapter
▷ starting on page 108



Illustration 5



Brewing sieve

IMPORTANT

Follow the Warranty chapter
▷ starting on page 108

5.5.4 Clean the water tank

Thoroughly rinse water tank weekly with clear water.



5.5.5 Clean the drip tray



Scalding hazard



- The drip tray may contain hot liquids.
- If the drip tray is not properly engaged, such as after cleaning, there is a burn hazard due to hot liquids.
 - > Be careful when moving the drip tray.
 - > Replace carefully so that no water accidentally drips down.
 - > Always make sure the drip tray is seated correctly.

- * Lift up the front of the drip tray slightly and remove it
- * Clean drip tray thoroughly
- * Rinse the drip tray with clear drinking water
- * Dry off the drip tray and replace it

5.5.6 Clean the housing



- There is a risk of causing scratches or scoring.
 - > Do not clean with scouring powders or the like.
 - > Do not use any sharp cleaners or implements.
 - > Use soft cloths for cleaning.

For cleaning metal cover parts (matte surface) we recommend WMF Purargan® cleaner.



CAUTION

Follow the Safety chapter
▷ starting on page 7



IMPORTANT

Follow the Warranty chapter
▷ starting on page 108

5.5.7 Clean milk system manually (Basic Milk / Easy Milk)



Scalding hazard

- Risk of injury of beverage is started accidentally.
 - > Always switch off the coffee machine prior to cleaning.
 - > Disconnect mains plug.



CAUTION

Follow the Safety chapter
▷ starting on page 7

Animated instructions
▷ Coffee machine
▷ Main menu ▷ Care
▷ Instructions



Health hazard

- In case of eye contact, the WMF milk system cleaner can cause severe eye injury.
 - > Ensure that the milk system cleaner never makes contact with the eyes of a person or animal.



CAUTION

Follow the Safety chapter
▷ starting on page 7

- * Pull forward the lever behind the combi spout
- * Remove combi spout
- * Only with Basic Milk: remove milk hose from milk container and release from combi spout
- * Release the mixer hose (if present)
- * Mix 5 ml of WMF special cleaner or a special cleaning tablet with 0.5 litres of warm drinking water
- * Dismantle combi spout
- * Only with Basic Milk: immerse one end of the milk hose in the cleaning solution
- * Only with Basic Milk: immerse the length of the remaining milk hose in the cleaning solution

This procedure prevents air bubbles from remaining in the milk hose.



- * Place all parts of combi spout in the cleaning solution (3 parts)
- All parts must be completely immersed in the cleaning solution.*
- * After 5 hours, clean all parts thoroughly with a brush
 - * Rinse all parts of the combi spout very thoroughly with clear drinking water
 - * Only with Basic Milk: thoroughly rinse the milk hose
 - * Thoroughly rinse the mixer hose (if present)
 - * Place on the mixer hose
 - * Reassemble combi spout
 - * Insert the combi spout
 - * Only with Basic Milk: place on the milk hose



5.5.8 Clean the combi spout manually (Dynamic Milk)

Regularly clean the outside of the combi spout with a damp cloth and clean the dispensing openings with the appropriate brushes.



For coffee machines with Dynamic Milk, the foamer must not be removed.

IMPORTANT

Follow the Warranty chapter
▷ starting on page 108

5.5.9 Clean the mixer

Cleaning will be more frequent depending on powder consumption.



Scalding hazard

- If the mixer hose is not firmly attached, hot water or hot powder beverage can be discharged inadvertently.
 - > Always firmly place on the mixer hose.

- * Slide the operating panel upward
- * Pull the mixer hose off of the combi spout and use the handle to move the mixer bowl upward
The propeller for the mixer is now visible.

Daily

- * Remove the mixer bowl
- * Disassemble the mixer bowl into its four component parts
- * Thoroughly clean the parts under running drinking water

When needed (weekly)

- * Mix 5 ml of WMF special cleaner or a special cleaning tablet with 0.5 litres of warm drinking water
- * Immerse all four parts in the cleaning solution at least for 4 hours
- * After 4 hours, thoroughly rinse under running drinking water again
- * Remove the powder hopper and clean the loading shaft to the mixer bowl with a cloth or brush

- * Allow the parts to dry completely

On re-assembly, all openings must face in the same direction.

- * Attach mixer hose on the mixer bowl
- * Replace mixer bowl until she engages in the lock
- * Attach mixer hose on the combi spout



CAUTION

Follow the Safety chapter
▷ starting on page 7

Instructions

- ▷ Main menu
- ▷ Care
- ▷ Instructions



5.5.10 Clean the bean hopper

The bean hoppers should be cleaned as required and at regular intervals. Recommendation: monthly.



Risk of injury

- Long hair could become caught in the grinder head and drawn into the coffee machine.
- > Always protect hair with a hairnet.

CAUTION



Bruising or crushing hazard / risk of injury



- The coffee machine contains moving parts that can cause finger or hand injury.
- > Always switch off the coffee machine and unplug the mains plug before reaching into the coffee grinder or opening brewing unit.

CAUTION



- > Never clean the bean hoppers in a dishwasher.

IMPORTANT

* Slide the operating panel upward

The ON/OFF switch is on the right side, behind the operating panel.

- * Press the ON/OFF button briefly until a signal sounds
- * Disconnect mains plug
- * Turn the lock on the bean hopper 180° to open it
- * Lift bean hoppers out
- * Completely empty bean hoppers and wipe out thoroughly with a damp cloth



Rotate the lock by 180°



- * Allow bean hoppers to dry completely
- * Refill and replace bean hoppers
- * Turn the lock on the bean hopper 180° to lock it

5.5.11 Clean the powder hopper

The powder hopper should be cleaned when needed and at regular intervals.


Recommendation: monthly.

Cleaning will be more frequent depending on powder consumption.

- * Slide the operating panel upward
The ON/OFF switch is on the right side, behind the operating panel.
- * Press the ON/OFF button briefly until a signal sounds
- * Disconnect mains plug
- * Turn the lock on the powder hopper 180° to open it
- * Tip hopper backwards and remove upwards
- * Empty hopper completely
- * Unscrew union nut at front and rear
- * Pull out the dosing auger
- * Thoroughly wipe out hopper with a damp cloth
- * Thoroughly clean individual dosing auger components
- * Allow powder hopper and individual components to dry completely
- * Re-assemble and replace the dosing auger and screw on union nuts



Portion controller with individual parts. Dosing auger

 **Ensure correct orientation of discharge.**

IMPORTANT

- * Refill and replace powder hopper
- * Turn the lock 180° to lock it

6 HACCP cleaning schedule

You are required by law to ensure that your customers are not subject to any health hazards as a consequence of the consumption of the food items you serve.



A HACCP cleaning schedule (Hazard Analysis Critical Control Points) for risk identification and assessment is required. You should carry out a risk analysis on your premises. The aim of the analysis is to recognise and pre-empt food hygiene hazard points. For this purpose, monitoring and, where necessary, test procedures must be established and implemented.

With correct installation, care, maintenance, and cleaning, WMF coffee machines meet the requirements described above. If care and cleaning of the coffee machine is not carried out properly, dispensing milk beverages will constitute a food hygiene hazard point. Please observe the following points in order to comply with the HACCP cleaning schedule:

Sanitise the milk system daily

- Follow the cleaning instructions for the milk system in the Care chapter. This will ensure that your system contains a minimum of bacteria at the beginning of operation.



You can call up the logs of the most recent cleaning operations via Information pad . The USB pad  can be used to export an HACCP record.

"Food Hygiene Ordinance from 05.08.1997"

Use our HACCP cleaning schedule for monitoring of regular cleaning.

HACCP export

▷ page 69

Use only cleaning agents that have been approved by WMF.

Follow the Care chapter

▷ starting on page 70

TIP

Always commence operation with a freshly opened cooled milk pack

- Original packaged UHT milk is usually free from harmful bacteria. Always open a new cooled milk pack at commencement of operation.
- Ensure absolute cleanliness when opening the milk pack. Germs can be introduced from dirty hands or tools when opening.

Keep milk cool.

- Always have a new cooled milk pack handy.
- If cooling is not used during operation, then the milk must be used up very quickly. Cool the milk occasionally if needed.
- If little milk is used, cooled milk must be placed in the refrigerator again during operation.

Recommendation:

only use UHT milk with a 1.5% fat content.

When operation starts, milk should be at approx. 6–8 °C.

Depending on the setting, one litre of milk is sufficient for approx. 20 cappuccinos.

WMF offers a range of refrigeration options (e.g., WMF countertop coolers or WMF milk coolers).

HACCP cleaning schedule

Month _____ Year _____

Only use chilled UHT milk, to prevent health risks due to bacteria.
For powder beverages, use only products that have not exceeded their expiration date.

Cleaning steps:

1. Perform a system cleaning
 ▷ User Manual, Care chapter
- 2a. Clean the milk system manually
 Basic Milk daily, with Plug&Clean or Easy Milk weekly
- 2b. Daily mixer rinsing
 ▷ User Manual, Care chapter
- 3a. Clean the milk system and change out the combi spout after 4 hours of operation time (absolutely required for a low number of dispense cycles, or if milk is non-chilled, or if the foamer rinsing function is switched off).
- 3b. Weekly mixer cleaning and regular cleaning of product hoppers (beans / powder) ▷ User Manual, Care chapter
4. General machine cleaning

Date	Cleaning steps				Signature
	1	2	3	4	
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					

Date	Cleaning steps				Signature
	1	2	3	4	
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					
31.					

7 Maintenance and descaling

Please bear in mind that this is a professional industrial coffee machine which needs regular maintenance and descaling.

The maintenance date is based on the degree of use of the coffee machine and is shown on the display. If maintenance is undertaken by WMF Service, then descaling of the brewing system is done at the same time.

The coffee machine may continue to be operated after the message, but Customer Care or contract maintenance should be carried out promptly to ensure correct functioning and so as to avoid any consequent damage.

7.1 Maintenance

Maintenance after a message is displayed; may only be undertaken by trained personnel or by WMF Service, as in this instance components affecting safety must be replaced.

The following care or maintenance stages are provided:

- Descaling, may be undertaken by the user / operator.
- Maintenance after a message is displayed; may only be undertaken by trained personnel or by WMF Service, as in this instance components affecting safety must be replaced.

Service maintenance message
▷ Messages and instructions
page 97

Descaling
▷ Software ▷ Care
▷ Descaling
page 78

Service maintenance message
▷ Messages and instructions
page 97

7.2 WMF Service

You can reach WMF Service if the local service point is not known.

WMF Group GmbH
Eberhardstraße 35
D - 73312 Geislingen (Steige)

Important


For other maintenance work and repairs, please contact your local WMF Service. The telephone number can be found on the address sticker on the coffee machine and on the delivery note.



8 Messages and instructions

8.1 Messages for operation

Refill beans

- * Refill bean hopper (refer to display)
- * Check:
 - Is the bean hopper lock open?
- ▷ *Care*
- Coffee beans do not feed through.
- * Stir with a large spoon and confirm with 

Open water supply valve

- * Turn on water tap and confirm

Empty grounds container

- * Empty grounds container

Grounds container missing

- * Replace the grounds container correctly

Change water filter

- * Change water filter
- Follow water filter instructions.*
- * Call WMF Service if needed

Call WMF Service

Error number is displayed

▷ *Error messages and malfunctions*

Service message

Service maintenance after the display shows a message.

- * Call WMF Service

*Service messages are instructions.
It is generally possible to continue
operating the coffee machine.*

8.2 Error messages and malfunctions

Basic procedure on display of error messages or malfunctions.


- ✧ Switch off the coffee machine and on again after a few seconds
- ✧ Repeat the process which led to the error

In many cases, this eliminates the malfunction and you can continue working.

If this is not successful: find the error message or error number in the following error list and follow the sequence of actions indicated.

If this does not rectify the error or if the error indicated is not listed please call WMF Service.

Some messages lead to blocking of individual functions. You will notice this by the fact that the beverage button illumination goes out. The beverage buttons that are still illuminated can continue to be used.

Your WMF 1500 S+ is provided with a diagnostics program. Any errors that occur are shown on the display. The error messages listed may also be caused by an interruption to the mains electricity supply. If there is a current error or a message to the operator, the  pad is displayed.

- ✧ Touch 

The error message and the error number are displayed.



The ON/OFF switch reacts after about 1 second and the coffee machine switches off.

In order to clear an error, for example if the software hangs up, pressing and holding the ON/OFF switch will switch off the controller.

Afterwards, switch the coffee machine on again.

NOTE

Error number	Error description	Action instructions
6	Brewing unit lockup current / Brewing unit stiff	<ul style="list-style-type: none"> * Switch off the coffee machine * Clean the brewing unit ▷ Care ▷ Clean the brewing unit, page 84
88	Boiler: over-temperature	<ul style="list-style-type: none"> * Switch the coffee machine off, allow to cool and switch on again * If error not remedied call WMF Service
89	Boiler: heat-up time error	<ul style="list-style-type: none"> * Switch the coffee machine off and on again * If error not remedied call WMF Service
161	Flow error: brewing water	<p><i>Between each of the following steps switch off the coffee machine and on again. If error not remedied carry out the next step.</i></p> <ul style="list-style-type: none"> * Clean the brewing unit ▷ Care ▷ Clean the brewing unit, page 84 * Set the grinding degree coarser ▷ Software ▷ System ▷ Grinding degree setting, page 66 * Reduce quality ▷ Settings ▷ Recipes, page 42 * If error not remedied call WMF Service
162	Flow error: when cleaning	<p><i>Between each of the following steps switch off the coffee machine and on again. If error not remedied carry out the next step.</i></p> <ul style="list-style-type: none"> * Clean the brewing unit ▷ Care ▷ Clean the brewing unit, page 84 * If error not remedied call WMF Service

<i>Error number</i>	<i>Error description</i>	<i>Action instructions</i>
186	Steam boiler: level	<i>Beverage dispensing temporarily blocked.</i> * Check that grounds container is correctly inserted * Switch off the coffee machine and on again
188	Heater error	* Switch off the coffee machine, disconnect mains plug * Call WMF Service
189	Steam boiler: heat-up time error	* Switch the coffee machine off and on again * If error not remedied call WMF Service
9083	Cooler temperature is in the frost range	* Check whether the cooler temperature is set too low
9507	Flow error: water pressure missing	* Open the water tap or fill up the water tank * If error not remedied call WMF Service
9516 9517	Right grinder blocked Left grinder blocked	* Set the grinding degree one level coarser until the blockage is cleared <i>▷ Software ▷ System ▷ Grinding degree setting, page 66</i> * If error not remedied call WMF Service

8.3 Errors without error message

Error pattern	Action instructions
<ul style="list-style-type: none"> No hot water dispensing but water in grounds container 	<ul style="list-style-type: none"> * Clean the hot water spout * Call WMF Service (coffee dispensing possible)
<ul style="list-style-type: none"> No Choc dispensing but water in grounds container 	<ul style="list-style-type: none"> * Do not use Choc dispensing * Call WMF Service (coffee dispensing possible)
<ul style="list-style-type: none"> Choc portion controller blocked, Choc dispensed only with water 	<ul style="list-style-type: none"> * Clean the portioner ▷ Care ▷ Clean powder hopper, page 92 * Empty powder * Turn dosing auger manually until all powder is removed * If necessary rinse with water * (Allow to) dry completely
<ul style="list-style-type: none"> Coffee dispensing on the left / right differs 	<ul style="list-style-type: none"> * Clean the combi spout ▷ Care ▷ Milk system cleaning overview, page 77
<ul style="list-style-type: none"> No milk foam / no milk dispensing, but milk in the milk container 	<ul style="list-style-type: none"> * Check whether the milk hose is kinked or squashed * Re-route milk hose correctly * Basic / Easy Milk: clean the combi spout * Dynamic Milk: clean the combi spout manually * Refill with milk * Dynamic Milk: refill with milk and touch "Milk system refill" in the customer care menu ▷ Software ▷ Care ▷ Milk system refill, page 38 * Basic Milk: check whether milk nozzle is blocked ▷ Care ▷ Milk system cleaning overview, page 77 * Check whether milk cooler is iced

Messages and instructions

Error pattern	Action instructions								
<ul style="list-style-type: none"> • Milk foam not OK • Temperature too cold or too hot 	<p>Basic Milk</p> <ul style="list-style-type: none"> ✳ Change milk nozzle <p>Use a suitable milk nozzle on the combi spout.</p> <table border="1" data-bbox="389 316 967 454"> <thead> <tr> <th data-bbox="389 316 781 347">Milk nozzle</th> <th data-bbox="781 316 967 347">3 kW</th> </tr> </thead> <tbody> <tr> <td data-bbox="389 347 781 379">• very cold milk (up to 8 °C)</td> <td data-bbox="781 347 967 379">green</td> </tr> <tr> <td data-bbox="389 379 781 411">• chilled milk (8 to 16 °C)</td> <td data-bbox="781 379 967 411">white</td> </tr> <tr> <td data-bbox="389 411 781 454">• non-chilled milk (above 16 °C)</td> <td data-bbox="781 411 967 454">caramel</td> </tr> </tbody> </table> <ul style="list-style-type: none"> ✳ Clean the combi spout <p>▷ Care ▷ Clean milk system manually, page 88</p> <p>If error not remedied</p> <ul style="list-style-type: none"> ✳ Use another milk nozzle from the accessories 	Milk nozzle	3 kW	• very cold milk (up to 8 °C)	green	• chilled milk (8 to 16 °C)	white	• non-chilled milk (above 16 °C)	caramel
Milk nozzle	3 kW								
• very cold milk (up to 8 °C)	green								
• chilled milk (8 to 16 °C)	white								
• non-chilled milk (above 16 °C)	caramel								
<ul style="list-style-type: none"> • Milk foam not OK • Temperature too cold or too hot 	<p>Easy Milk / Dynamic Milk</p> <ul style="list-style-type: none"> ✳ Check whether the milk temperature is the same as the set temperature <p>Dynamic Milk</p> <ul style="list-style-type: none"> ✳ Perform a quality check 								
<ul style="list-style-type: none"> • The milk foam dispensing sputters severely • Milk too hot 	<ul style="list-style-type: none"> ✳ Check whether the milk system has been cleaned ✳ Clean the milk system <p>▷ Care ▷ Milk system cleaning overview, page 77</p> <ul style="list-style-type: none"> ✳ Check whether the milk has been cooled sufficiently 								
<ul style="list-style-type: none"> • No powder beverage dispensing 	<ul style="list-style-type: none"> ✳ Clean the mixer bowl ✳ Is the hose kinked? ✳ Perform milk cleaning and rinsing more often, if necessary daily <p>▷ Care ▷ Milk system cleaning overview, page 77</p> <ul style="list-style-type: none"> ✳ Use lower powder dosage ✳ Use higher water dosage 								
<ul style="list-style-type: none"> • Pump runs continuously, water in grounds container 	<ul style="list-style-type: none"> ✳ Switch the coffee machine off and on again ✳ If error not remedied call WMF Service 								

<i>Error pattern</i>	<i>Action instructions</i>
<ul style="list-style-type: none">• Choc hopper cannot be replaced	<ul style="list-style-type: none">✧ Manually turn the drive for the dosing auger at the portioner slightly in a clockwise direction✧ Check whether Choc hopper is accidentally locked
<ul style="list-style-type: none">• Bean hopper cannot be replaced	<ul style="list-style-type: none">✧ Check whether bean hopper is accidentally locked

9 Safety and warranty

9.1 Hazards to the coffee machine



Follow the manual

We do not accept any warranty for damage resulting from failure to observe this requirement.

Follow the conditions for use and installation.

Installation location

- The installation location must be dry and protected against water spray.
- Some condensate, water, or steam can always be discharged from a coffee machine.
 - > Do not use the coffee machine outdoors.
 - > Set up the coffee machine so that it is protected against water spray.
 - > Always place the coffee machine on a water-resistant and heatproof base in order to protect the installation surface against damage.

Coffee grinder

- Foreign objects can damage the grinders. Such damage is not covered under the warranty.
 - > Ensure that no foreign objects land in the coffee bean hopper.
-

IMPORTANT

Follow the Warranty chapter

▷ starting on page 108

Conditions for use and installation

▷ starting on page 17

Please observe the following instructions so as to prevent problems with and damage to the coffee machine:

- For drinking water with carbonate hardness from 5 °dKH or higher, a WMF water filter must be fitted; otherwise, the coffee machine can be damaged due to build-up of scale.
- For insurance reasons always ensure that, at the end of operation the mains switch is switched off or the mains plug is unplugged. For machines with a constant water supply, the water mains tap for the inlet pipe must be closed.
- We recommend damage prevention measures, such as:
 - installation of a suitable water monitor in the mains water supply line
 - installation of smoke alarms
- After a company holiday (several days or weeks) we recommend running the cleaning mode at least twice before reusing the machine.

System cleaning
▷ *Cleaning programs*
page 73

9.2 Directives

Manufacturer: WMF Group GmbH, 73312 Geislingen (Germany)

The device fulfils the requirements of all applicable regulations in the directives MD (MRL) 2006/42/EC, EMV directive (EMC) 2014/30/EU and RoHS 2011/65/EU.

The manufacturer indicated above declares that this machine conforms to all applicable provisions of the directives listed. Any modifications to the machines that are not approved by us will cause this declaration to become invalid. Collecting technical documentation: WMF Group GmbH.

The original declaration of conformity is included with the machine. The device bears the CE mark.

The device fulfils the requirements of the German Food and Feed Code (LFGB), the Regulation on Commodities (BedGgstV), the EU regulation No. 10/2011 as well as the EC regulation No. 1935/2004 in the currently valid editions.

When used properly, the device does not present a health hazard or other unreasonable hazard.

The materials and raw materials used fulfil the requirements of the Regulation on Commodities as well as the EU regulations No. 10/2011.

Currently valid country-specific rules apply in countries outside of the European Union.

This device is subject to the directive on waste electrical and electronic equipment WEEE 2012/19/EU and may not be disposed of as domestic waste.

Requirements traceability pursuant to EC regulation No. 1935/2004 and Good Manufacturing Practice within the meaning of EC regulation No. 2023/2006 are ensured and guaranteed.



*For disposal please contact
WMF Service.*

*Address
▷ page 96*

9.3 Duties of the owner / operator

The operator of such equipment must ensure regular maintenance by WMF Service technicians, their agents or other authorised persons, and checking of safety devices.

Access to the service area is permitted only for persons with knowledge and practical experience with the device, especially regarding safety and hygiene.

The coffee machine must be set up by the operator such that care and maintenance can be performed without hindrance.

In office / floor kitchen areas or similar self-service set-ups, only staff instructed in operation of the coffee machine should supervise the coffee machine. Trained personnel should carry out care procedures and be available for questions regarding use.

The operator shall ensure that electrical equipment and operating facilities are in a fit state (e.g., to DGUV Regulation 3) [German Accident Prevention Association or equivalent]. In order to ensure the operating safety of your coffee machine, it is essential to perform regular checks of the safety valves and the pressure containers, among other checks.

These measures are conducted by WMF Service or by WMF authorised service personnel as part of maintenance work.

Machine cleaning must be carried out using only the WMF special cleaning agent intended by WMF for the coffee machine (tablets), and for the milk system (cleaning liquid).

Machine must only be descaled using the special WMF descaling agent.

The manufacturer's specifications regarding maintenance cycles and frequency of maintenance (▷ Maintenance) must be followed.

Cleaning intervals overview

▷ page 72

HACCP

▷ Page 93

WMF special cleaning agent

▷ Accessories and spare parts
page 113

WMF special descaling agent

▷ Accessories and spare parts
page 113

9.4 Warranty claims



Follow the manual

- We do not accept any warranty for damage resulting from failure to observe this requirement.
 - > Follow the conditions for use and installation.
-

IMPORTANT

Conditions for use and installation
▷ starting on page 17

Whether the purchaser has any rights under warranty, and the nature of any such warranty rights that the purchaser may have, is determined by the agreement made between the purchaser and the vendor. If the requirements of this User Manual are not followed, warranty claims will not be recognised.

No warranty is provided:

- On any parts subject to natural wear and tear. This includes seals, mixers, and brewing unit, among other items.
- For malfunctions due to the effect of the weather, scale build-up, chemical, physical, electrochemical or electrical effects.
- If a water filter is not fitted even though the local water supply requires use of a water filter and malfunctions occur as a consequence.
- If malfunctions occur as a result of failure to follow instructions for the handling, maintenance, and care of the unit (e.g., User Manual and maintenance instructions).
- With respect to faults which occur as the result of failure to use original WMF spare parts or incorrect assembly by the purchaser or by third parties or by faulty or negligent treatment.
- With respect to the consequences of improper modifications undertaken without the consent of WMF, or by repair or reconditioning work on the part of the purchaser or by third parties.
- With respect to faults caused by inappropriate or improper use.

Important

Maintenance
▷ page 95

Appendix: Technical data

Technical data for coffee machine

External dimensions	Width 325 mm Height 675 mm (with bean hopper) Depth 590 mm
Coffee bean hopper	Approx. 1,100 g per load ⁽¹⁾ Coffee bean hopper in the center approx. 700 g ⁽¹⁾
Powder hopper (optional)	Approx. 1,200 g each ⁽²⁾
Weight empty	32–36 kg (depending on the model)
Water supply	3/8 inch hose connector with water mains tap, and filter with 0.08 mm mesh size, on-site. ⁽³⁾ At least 0.2 MPa (2 bar) supply pressure at 2 l/min. Maximum 0.6 MPa (6 bar). Maximum inlet temperature 35 °C. The set of hoses provided with the new coffee machine and/or the new water filter must be used. Do not use the old set of hoses.
Water quality	For drinking water with carbonate hardness from 5 °dKH or higher, a WMF water filter must be fitted.
Water drain tube (optional)	Hose a minimum of DN 19, minimum downward slope of 2 cm/m
Use at elevation above sea level	<2,000 m

We reserve the right to make technical modifications.

⁽¹⁾ The capacity depends on the size of the coffee beans.

⁽²⁾ Only with optional powder hopper. The capacity depends on the powder used.

⁽³⁾ These specifications (IEC 60335–2–75) for the water connection to the coffee machine apply in EU member states. It may be necessary to also observe additional country-specific regulations. Outside the EU acceptance of the standards quoted is to be checked by the legal entity or natural person who wishes to use the coffee machine.

Appendix: Technical data

Nominal power rating	2.75–3.25 kW
Power supply	220–240 V, 50/60 Hz, (1/N/PE)
Illumination	LED
Degree of protection	IP X0
Protection class	class 1
Calibration pressure	Boiler 0.5 MPa (5 bar) Steam boiler 1.6 MPa (16 bar)
Continuous sound pressure level (Lpa)	< 70 dB(A) ⁽⁴⁾
Ambient temperature	+5 °C to maximum +35 °C (empty the water system in case of frost).
Maximum humidity	80% relative humidity without condensation. Do not use device outdoors.
Installation surface / water spray	The device must be placed and leveled on a horizontal, sturdy, water-resistant, and heatproof base. The device must not be cleaned using a water jet. The device must be installed where it is protected against water spray. The device must not be located on a surface that is sprayed or cleaned with a water hose, steam jets, steam cleaner, or similar devices.

We reserve the right to make technical modifications.

⁽⁴⁾ A-evaluated sound pressure level *Lpa* (slow) and *Lpa* (impulses) at operating personnel workplace is under 70 dB(A) in any working mode.

Installation clearances	<p>For operating, service, and safety reasons the machine should be installed with a clearance from the building or non-WMF components of not less than 50 mm at the sides and 50 mm at the back.</p> <p>A minimum working space of 800 mm in front of the coffee machine is recommended. Clearance of at least 200 mm above the product hopper is recommended. The height of the installation surface above the floor is at least 850 mm. If the coffee machine connections are to be run downwards through the counter, please make space for the lines, which can reduce the usable space below the machine.</p>
Installation dimensions of the water filter	See the User Manual for the water filter.

We reserve the right to make technical modifications.

These specifications for the electrical connection and the standards quoted apply for connecting the coffee machine in EU. It may be necessary to also observe additional country-specific regulations. Outside the EU acceptance of the standards quoted is to be checked by the legal entity or natural person who wishes to use the coffee machine.

The customer's on-site electrical system must be designed to meet country-specific regulations per IEC 60364 and must match the information on the rating plate.

An isolated ground socket or a country-specific single-phase socket for single-phase connection, or a 5-pole CEE / CEKON socket per DIN EN 50310 VDE 0800-2-310 or a country-specific multi-pole socket for a three-phase connection, must be available near the machine. The sockets are part of the customer's on-site installation. The mains cable must not come into contact with hot surfaces. If the mains cable for this device is damaged then it must be replaced by our service personnel or a similarly qualified person, in order to prevent hazards.

In order to avoid possible faults from arising in our shielded data lines due to potential equalisation currents between the devices, an additional potential equalisation unit should be planned for devices connected to the vending system (see DIN EN 50310 VDE 0800-2-310).

If the machine is intended to be installed in a large kitchen, it is recommended that it be equipped with a ground potential bonding conductor. The potential equalisation terminal is installed by WMF Service if needed.

Appendix: Accessories and spare parts

Count	Unit	Designation	Order No.	Model
Complete combi spout Choc				
1	Pcs	Complete combi spout, (at nominal power rating of 2.75 kW–3.25 kW)	33 2867 5300	Basic Milk / Easy Milk
1	Meter	Milk hose	00 0048 4948	all
1	Pcs	Milk hose sleeve	33 2180 5000	Basic Milk / Easy Milk
1	Pcs	Milk hose spring 28	33 0190 3000	Basic Milk / Easy Milk
0.25	Meter	Mixer hose	00 0048 0064	Choc
1	Pcs	Mixer hose spring	33 2292 6000	Choc
1	Pcs	Mixer bowl	33 2895 4000	Choc
1	Pcs	Milk nozzle for very cold milk (green)	33 2317 8000	Basic Milk
1	Pcs	Milk nozzle for chilled milk (white)	33 9516 9000	Basic Milk
1	Pcs	Milk nozzle for milk that is not chilled (caramel)	33 9521 3000	Basic Milk
1	Pcs	Milk nozzle (beige)	33 2046 0100	Basic Milk
Coffee grounds container				
1	Pcs	Coffee grounds container	33 2634 1200	all
1	Pcs	Sliding part for coffee grounds container	33 2633 9000	all
1	Pcs	Grounds container (grounds disposal through counter)	33 2634 1300	Constant water
1	Pcs	Slider (grounds disposal through counter)	33 2633 9100	Constant water
Constant water supply, drainage				
1	Pcs	Connecting tube for constant water supply	33 2292 1000	all
1	Pcs	Angle for drain tube	33 2165 8000	all
1.5	Meter	Drain tube	00 0048 0042	all
Accessories / tools				
1	Pcs	Multitool	33 2408 4000	all

Appendix: Accessories and spare parts

Count	Unit	Designation	Order No.	Model
Complete bean hopper				
1	Pcs	Cover for bean hopper, center	33 2887 3099	all
1	Pcs	Cover for bean hopper, right / left	33 2925 5099	all
1	Pcs	Bean hopper, left	33 2913 2099	all
1	Pcs	Bean hopper, right	33 2911 8099	all
1	Pcs	Bean hopper, centre	33 2946 8099	all
1	Pcs	Bean hopper / product hopper labels	33 2624 7000	all
Product hopper				
1	Pcs	Hopper cover, lockable, complete	33 2925 5000	Choc
1	Pcs	Powder hopper, large, single, complete	33 2911 7000	Choc
1	Pcs	Twin hopper	33 2911 9000	Choc
1	Pcs	Plug&Clean adapter	33 2427 5000	all
Brewing unit				
1	Pcs	Brewing unit	33 2893 0399	all
1	Pcs	O-ring, brewing unit	33 7006 5190	all
Drip tray / drip grid				
1	Pcs	Drip tray without SteamJet	33 2633 7000	without SteamJet
1	Pcs	Drip tray with SteamJet	33 2633 7100	with SteamJet
1	Pcs	Drip grid without SteamJet	33 2633 8000	without SteamJet
1	Pcs	Drip grid with SteamJet	33 2633 8100	with SteamJet
Water tank				
1	Pcs	Water tank	33 2886 7000	all
1	Pcs	Water tank lid	33 2635 6000	all
1	Pcs	Water tank sieve	33 7006 2608	all

Count	Unit	Designation	Order No.	Model
Scale filter / water filter				
1	Pcs	Water filter AquaBasic M	03 9533 1000	Constant water
1	Pcs	Filter head (WMF AquaHead)	33 9532 0000	Constant water
1	Pcs	WMF AquaHead connection set	33 9532 1000	Constant water
1	Pcs	Adapter for the water filter in the water tank	33 2327 1000	Water tank
1	Pack	Replacement cartridge for the water filter in the water tank (4 pcs in package)	33 2332 2000	Water tank
Documentation and instructions				
1	Pcs	Set of documents: User Manual WMF 1500 S+	33 4186 1010	all
Order numbers for the WMF care program				
1	Bottle	WMF Special cleaner for milk foamer	33 0683 6000	all
1	Pack	Special cleaning tablets (100 pieces)	33 2332 4000	all
1	Pcs	Pipe cleaner	33 0350 0000	all
1	Pcs	Cleaning brush	33 1521 9000	all
1	Tube	WMF Molykote "gasket grease"	33 2179 9000	all
1	Pcs	Care kit	33 2888 2000	all
1	Pack	Special cleaning tablets	33 2622 0000	Easy Milk / Dynamic Milk
1	Pcs	Cleaning container	33 2593 6000	Easy Milk / Dynamic Milk
1	Pcs	Cleaning container lid	33 2593 7000	Easy Milk / Dynamic Milk

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Your nearest WMF Service:

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