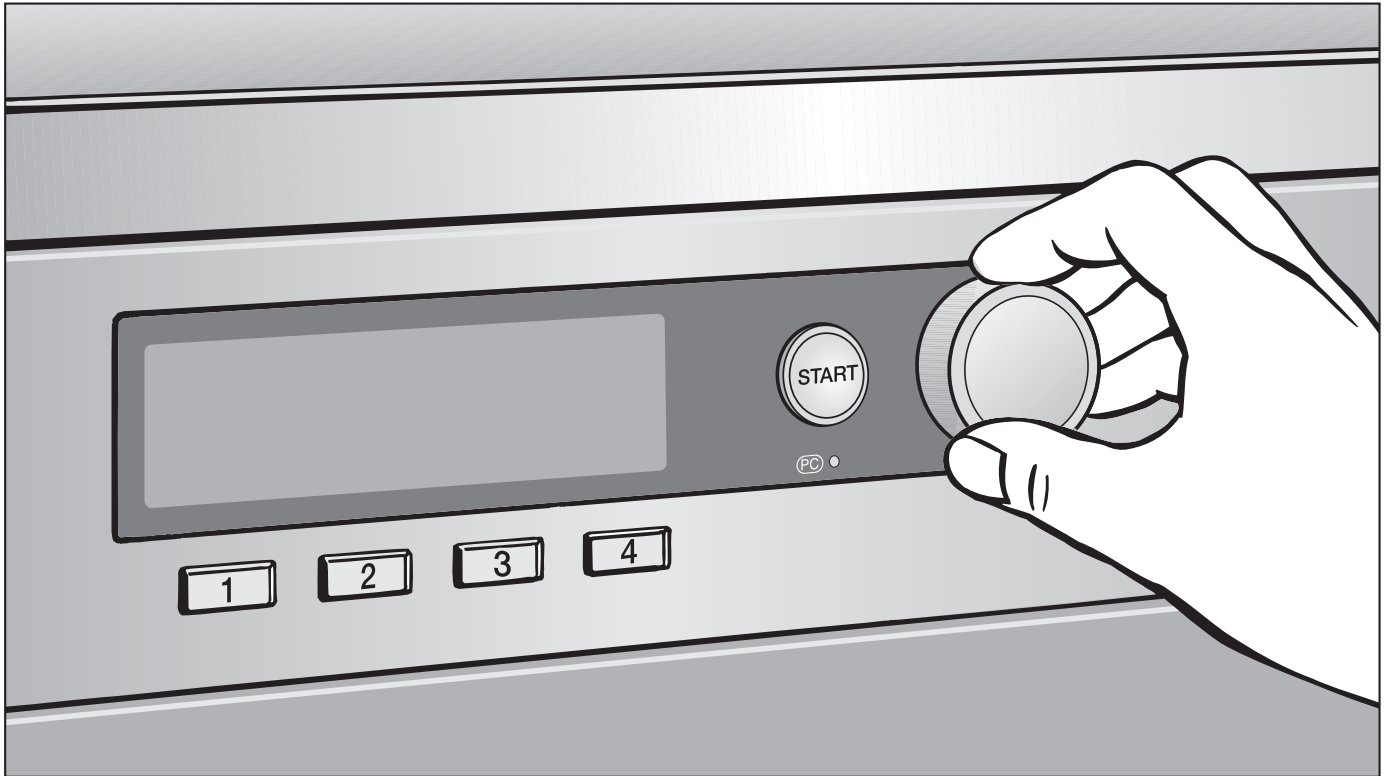


Miele





Washer-extractor Commissioning, Programme chart, Settings PWT 6089 Vario XL LP

en - GB

To avoid the risk of accidents or damage to the machine it is **essential** to read these instructions before it is installed and commissioned.

M.-Nr. 09 160 311

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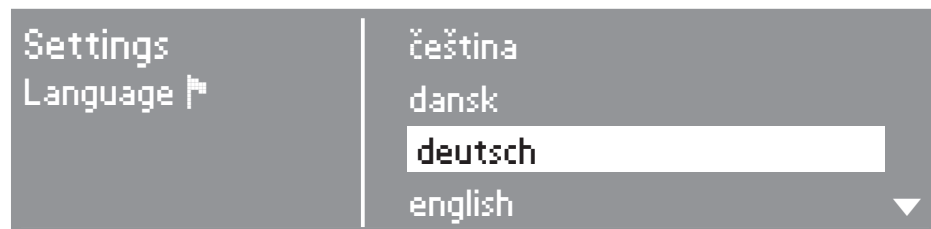
Commissioning the machine

Before using for the first time

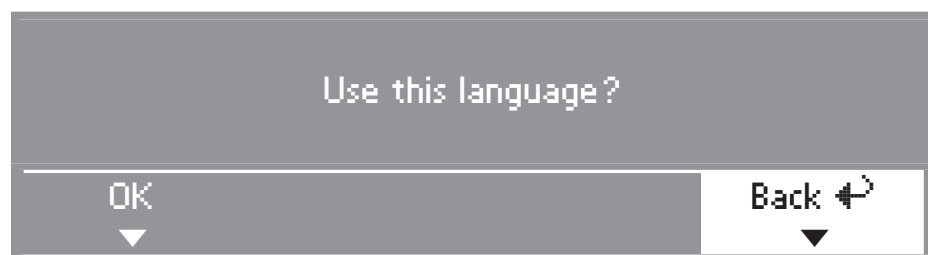
 Before commissioning the machine, ensure that it is correctly installed and connected. Please follow the operating and installation instructions.

 Commissioning must be completed to determine the settings for daily operation. Certain settings can only be altered during the commissioning process. After that, these can only be changed by a Miele service technician.

Setting the language



- Turn the multi-function selector to highlight the language of your choice.
- Press the multi-function selector to confirm your choice of language.



- Turn the multi-function selector to select *OK*, and confirm by pressing the multi-function selector.

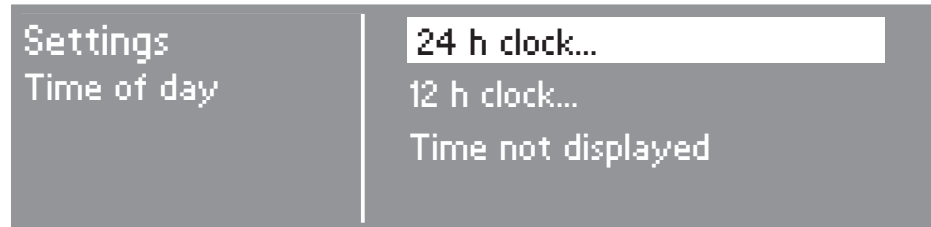
If you wish to select a different language:

- Select and confirm *Back*.

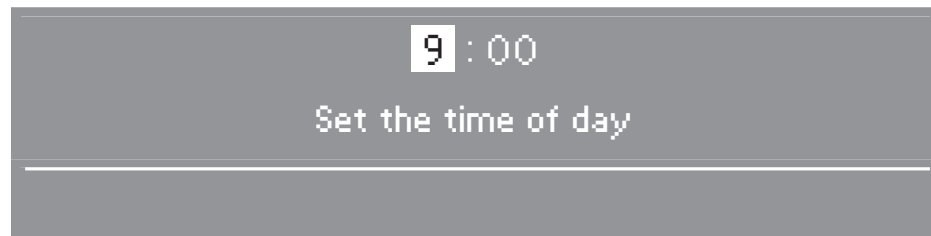
Commissioning the machine

To set the time of day

The time may already have been set at the factory. If it has, and is correct, you can skip this section. It is possible to alter the time at any stage via the *Settings* menu.



- Confirm either *24 h* or *12 h*. If you confirm *Time not displayed*, the following step will be skipped.

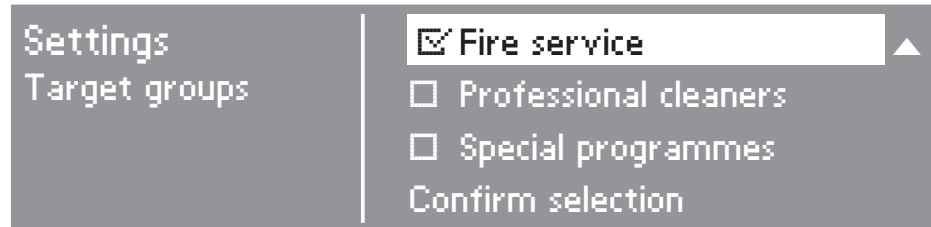


- Turn the multi-function selector to select the hour and press it to confirm your selection.
- Then set the minutes.
- Pressing the multi-function selector again saves the time of day in memory.

Commissioning the machine

Determining target groups

By selecting target groups, you are determining the programme range of the washer-extractor. You can see which programmes are assigned to each target group under "Programme chart" later in this booklet.



- Use the multi-function selector to select and confirm none, one or several of the target groups, as required.

The 16 permanent *basic programmes* are always displayed and cannot be deselected.

- A target group selected will be indicated with a tick: .
- Mark the target group programmes that you have selected with a cross in the box .

- Household
- Sport
- Hotel
- Bedding
- Disinfection
- Maintenance programme
- Hygiene
- Bakers/Butchers
- Beauty salons/Health spas
- Fire service
- Professional cleaners
- Special programmes

Only once you have made your selection, select *Confirm selection* and press the multi-function selector to confirm your choice.

Commissioning the machine

Each of these settings must now be confirmed (and altered if required). More details about the settings are given at the end of this booklet.

Place a cross in the box to indicate your selection and fill in the gaps _____ as required.

Pre-wash water

This setting establishes the temperature of the water for the pre-wash.

■ Select either:

Cold

The washer-extractor is only connected to a cold water supply. Or

Hot

The washer-extractor is connected to hot and cold water supplies.

Main wash water

This setting establishes the temperature of the water for the main wash.

■ Select either:

Cold

The washer-extractor is only connected to a cold water supply. Or

Hot

The washer-extractor is connected to hot and cold water supplies.

See the paragraph "Water connection" in the "Installation and connection" section of the Operating and installation instructions.

Set contrast

The contrast for the display can be set in 10 steps.

■ Select the contrast for the display.

Step _____ (1 to 10)

Set brightness

The brightness for the display can be set in 10 steps.

■ Select the brightness for the display.

Step _____ (1 to 10)

Payment system

Setting for coin-operated machines.

■ Select the option you require.

No coin box

The *Coin mechanism lock* setting for operating the machine with a coin box is skipped.

Programme operation

The machine is operated using a coin box.

Timed operation

The machine is coin-operated using a time meter.

Commissioning the machine

IK6

Serial interface RS 232 for *Interface card 6* is active in coin operation mode (an IK6 module must be fitted).

RS 232

Serial interface RS 232 is active when the machine is operated with coins (an RS 232 module must be fitted).

Coin mechanism lock

The *Coin mechanism lock* setting determines when the door is locked when operated with a coin box after the start of the programme.

■ Select the option you want.

Immediately

The machine locks straight away.

In 3 minutes

The machine will lock after a period of 3 minutes (default setting)


As soon as cancelled

The machine locks straight away. *Cancel* will appear in the display if the start button is held in for 4 seconds. You can then cancel the programme in the next 3 minutes.

3 min. after cancelling

The machine will lock after a period of 3 minutes. *Cancel* will appear in the display if the start button is held in for 4 seconds. You can then cancel the programme in the next 3 minutes.

Supervisor level code

The *Settings/Supervisor level* can be locked with a code to prevent it being accessed by unauthorised personnel (the Language  setting can still be altered).

■ Select the option you want.

Code not required

Only some of the settings can be changed (temporary Language setting, Suds cooling, Time of day, contrast, brightness, standby, memory and temperature unit).

These settings can be changed by any user.

Other settings can only be changed by a Miele Service Technician.

Code required

A code (000) must be entered in order to change the settings. All settings (see *Settings menu*) can be changed.

Select this option if you only want users to be able to change settings via a code.

The *Language* setting can be changed temporarily by any user.

Commissioning the machine

Transport struts

A message will appear in the display to remind you to remove the transport struts.

- Remove them (if this has not already been done by your fitter). Then press the multi-function selector to confirm that this has been done.

To repeat the commissioning process

If you are not certain that all of the settings are correct, you will need to repeat the commissioning process.



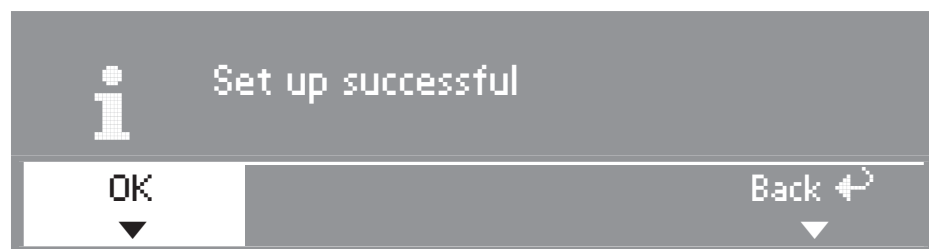
- Select *Back* and confirm your selection.

The commissioning process must then be repeated.

To finish the commissioning process

– 1. Confirm


If you are sure that all of the settings are correct.



- Confirm with *OK*.

The entry menu will appear.

Commissioning the machine

1	Cottons Uni.	60°C	Programme selection...
2	Minimum iron	40°C	Settings ↗...
3	Delicates	40°C	
4	Woollens 	30°C	15:00

To finish the commissioning process completely, a first wash programme must be started.

If the power to the machine is switched off before the first wash programme is started (e.g. by pressing the ⏻ button), the commissioning process can be carried out again. Once a wash programme that is longer than 20 minutes has been run, it is not possible to carry out the commissioning process again.

– 2. Start the first wash programme

For safety reasons, spinning is not possible until the first wash programme has been run. To activate the spinning function and to complete the commissioning process, you must run a wash programme without laundry and without detergent.

- Open the stopcocks.
- Select *Cottons 60°C* and confirm your selection.

The main menu for *Cottons Universal* will then appear.

- Press the flashing *Start* button.


After this programme has finished, the washer-extractor is ready for processing laundry.

Basic programmes


Cottons Hygiene		70°C to 95°C	Max. load 9.0 kg
Use for	Cotton, linen or cotton mix fabric, e.g. bed linen, baby clothing, underwear.		
Extra options	Pre-wash, Starch stop, Rinse hold, Intensive*, Water plus*		
Detergent	Universal detergent		
Cottons Uni.		Cold to 60°C	Max. load 9.0 kg
Use for	Cottons or cotton mix fabric, e.g. T-shirts, trousers.		
Note	For dark coloured fabrics use a detergent for coloured fabrics, or liquid detergent.		
Extra options	Pre-wash, Starch stop, Rinse hold, Intensive*, Water plus*		
Detergent	Universal detergent and detergent for coloureds		
Minimum iron		30°C to 60°C	Max. load 4.0 kg
Use for	Synthetic and mixed fibre garments as well as easy care cotton, e.g. shirts and blouses.		
Note	Max. spin speed 1000 rpm		
Extra options	Pre-wash, Starch stop, Rinse hold, Intensive*, Water plus*		
Detergent	Universal detergent and detergent for coloureds		
Delicates		30°C to 60°C	Max. load 3.0 kg
Use for	For delicate garments made of synthetic fibre, mixed fibre, rayon and easy care cotton.		
Note	Max. spin speed 600 rpm		
Extra options	Pre-wash, Rinse hold, Intensive*		
Detergent	Liquid detergent for delicates		

**Intensive* and *Water plus* have to be set in the *Settings/Supervisor level* menu.

Programme chart

Woollens 		Cold to 40°C	Max. load 3.0 kg
Use for	Machine-washable or hand-washable wool or wool blend fabric.		
Note	Max. spin speed 1000 rpm		
Extra option	Rinse hold		
Detergent	Liquid detergent for machine-washable woollens		
Starch		Cold to 40°C	Max. load 8.0 kg
Note	The laundry (table cloths, napkins, workwear) should be washed but not treated with fabric conditioner.		
Extra option	Rinse hold		
Starching agent	Liquid starch, powder starch formulations		
Spin			Max. load 8.0 kg
Use for	Articles which have been washed by hand and only need to be spun in the machine.		
Note	Please make sure you select the appropriate spin speed.		
Extra rinse			Max. load 8.0 kg
Use for	Articles which have been washed by hand and only need to be rinsed and spun in the machine.		
Note	Please make sure you select the appropriate spin speed.		
Drain			
	For draining water from the machine.		
Quick wash		Cold to 40°C	Max. load 4.0 kg
Use for	Very lightly soiled fabrics which can be washed in a <i>Cottons</i> programme.		
Extra option	Rinse hold		
Detergent	Universal detergent and detergent for coloureds		

Programme chart

Silks 		Cold to 30°C	Max. load 2.0 kg
Use for	Silks and other handwashable fabrics with no wool content		
Tip	Place socks, tights, bras etc. in a washing bag.		
Note	Max. spin speed 600 rpm		
Extra options	Rinse hold, Water plus*		
Detergent	Liquid detergent for delicates		
Shirts		Cold to 60°C	Max. load 4.0 kg
Use for	Shirts and blouses		
Tips	<ul style="list-style-type: none"> – Pre-treat collars and cuffs if necessary. – Wash silk garments in the <i>Silks</i> programme. 		
Note	Max. spin speed 800 rpm		
Extra options	Starch stop, Rinse hold		
Detergent	Universal detergent and detergent for coloureds		
Intensive wash		40°C to 60°C	Max. load 8.0 kg
Use for	Heavily soiled cotton, linen or cotton mix fabric.		
Extra option	Rinse hold		
Detergent	Universal detergent, detergent for coloureds		

**Water plus* has to be set in the *Settings/Supervisor level* menu.

Programme chart

Outerwear		Cold to 40°C	Max. load 4.0 kg
Use for	Outerwear made from microfibre such as Gore-Tex [®] , SYMPATEX [®] , WINDSTOPPER [®] etc.		
Tips	<ul style="list-style-type: none"> – Zip up jackets before washing. – Do not use fabric conditioner. 		
Extra option	Rinse hold		
Detergent	Liquid detergent for delicates or fabric specific specialist detergent		
Proofing		30°C to 40°C	Max. load 4.0 kg
Use for	For treating microfibre fabrics, ski wear, fine closeweave cotton garments (poplin) or tablecloths with a water and dirt resistant finish.		
Tips	<ul style="list-style-type: none"> – The items should be colour sorted and freshly laundered and spun or dried before proofing. – For best results, they should be heat-treated afterwards, either in a tumble dryer or by ironing. 		
Note	Max. spin speed 1000 rpm		
Extra option	Rinse hold		
Proofing agents	<ul style="list-style-type: none"> – Only use proofing agents which are stated by the manufacturer as being "suitable for use on membrane textiles" as these consist of fluorochemical compounds. Do not use proofing agents which contain paraffin. – Add proofing agents to the fabric conditioner compartment ☼. 		
Towelling		40°C to 95°C	Max. load 8.0 kg
Use for	Towels and towelling garments such as dressing-gowns		
Tip	For dark coloured fabric use a detergent for coloureds.		
Extra options	Rinse hold		
Detergent	Universal detergent		

Household

Dark garments		Cold to 40°C	Max. load 4.0 kg
Use for	Dark garments made from cotton or mixed fibre.		
Tip	Wash inside out.		
Note	Max. spin speed 1000 rpm		
Extra option	Rinse hold		
Detergent	Liquid detergent for coloureds		
Denim		Cold to 40°C	Max. load 4.0 kg
Tips	<ul style="list-style-type: none"> – Wash denim inside out. – Denim often contains excess dye and will run during the first few washes. Wash light and dark coloured items separately. 		
Note	Max. spin speed 1000 rpm		
Extra option	Rinse hold		
Detergent	Liquid detergent for coloureds		

Sport

Indoor sportswear		30°C to 40°C	Max. load 4.0 kg
Use for	Sport and fitness clothing such as shorts and tops made from synthetic or mixed fibre		
Note	Max. spin speed 800 rpm		
Extra option	Rinse hold		
Detergent	Liquid detergent for delicates		
Outdoor sportswear		30°C to 60°C	Max. load 4.0 kg
Use for	Sportswear made of synthetic or mixed fibre, or membrane textiles which require reproofing at the same time		
Tip	Add a suitable proofing agent to the fabric conditioner compartment		
Note	Max. spin speed 1000 rpm		
Extra options	Pre-wash, Starch stop, Rinse hold, Intensive*		
Detergent	Universal detergent or detergent for coloureds		

**Intensive* and *Water plus* have to be set in the *Settings/Supervisor level* menu.

Programme chart

Hotel

Kitchen linen		60°C to 95°C	Max. load 8.0 kg
Fabric type	Kitchen linen made from cotton and linen fabrics, e.g. chef's whites, catering uniforms, serving cloths, cleaning cloths.		
Tip	Select <i>Pre-wash</i> for stubborn soiling. Use a detergent containing enzymes for the pre-wash.		
Note	Includes a pre-rinse to remove coarse soiling.		
Extra options	Pre-wash, Rinse hold		
Detergent	Universal detergent		
Table linen		30°C to 60°C	Max. load 4.0 kg
Fabric type	Cotton, linen and mixed fibre table linen, such as tablecloths and napkins.		
Tip	Select <i>Pre-wash</i> for stubborn soiling. Use a detergent containing enzymes for the pre-wash.		
Notes	<ul style="list-style-type: none"> – Soaking will help disperse stains (enzyme phase). – Max. spin speed 1000 rpm 		
Extra options	Pre-wash, Starch stop, Rinse hold, Intensive*, Water plus*		
Detergent	Universal detergent		
Curtains		Cold to 40°C	Max. load 3.0 kg
Fabric type	Curtains, including net curtains, specified as machine-washable by the manufacturer.		
Tip	Select <i>Without spin</i> for curtains which crease easily.		
Notes	<ul style="list-style-type: none"> – Includes a pre-rinse to remove dust. – Spin speed max. 600 rpm 		
Extra options	Pre-wash, Rinse hold		
Detergent	Specialist curtain detergent, universal detergent or detergent for coloured fabrics, in powder form		
Bed linen		60°C to 95°C	Max. load 8.0 kg
Fabric type	Bed linen made from cotton or cotton mix fabrics.		
Tip	For dark coloured fabrics use a detergent for coloured fabrics.		
Extra option	Rinse hold		
Detergent	Universal detergent or detergent for coloured fabrics		

**Intensive* and *Water plus* have to be set in the *Settings/Supervisor level* menu.

Bedding

Pillows		40°C to 95°C	1-2 pillows
Items	Pillows with feather, down or synthetic fillings.		
Note	A spin cycle is carried out after water is first added in order to deflate the pillows.		
Extra option	Rinse hold		
Detergent	Liquid detergent		
Down duvets		40°C to 60°C	1 duvet
Items	Duvets with feather, down or synthetic fillings.		
Notes	A spin cycle is carried out after water is first added in order to deflate the duvets.		
Extra options	Pre-wash, Rinse hold		
Detergent	Liquid detergent		
Synthetic duvets		40°C to 60°C	1 duvet
Items	Duvets with a synthetic filling		
Note	Max. spin speed 800 rpm		
Extra options	Pre-wash, Rinse hold		
Detergent	Liquid detergent		
Natural fibre blankets		Cold to 30°C	1 blanket
Items	Natural fibre quilts and blankets.		
Note	Max. spin speed 1100 rpm		
Extra option	Rinse hold		
Detergent	Liquid detergent; do not use detergents containing protease.		

Please observe the instructions on the wash care label. Only wash items in this machine which are indicated as being machine-washable on the label.

Programme chart


Disinfection

Therm.DIS 15 min 85°C		Max. load 8.0 kg
Fabric type	Cotton, linen or cotton mix fabrics.	
Notes	<ul style="list-style-type: none"> – Thermal disinfection. – The wash cycle is followed by a disinfection phase at 85°C, with a holding time of 15 minutes. – The <i>No spin</i> setting is not possible. 	
Extra option	Pre-wash	
Detergent	Specially formulated detergent (detergent containing bleach)	
CTh. DIS 10 min 70°C		Max. load 8.0 kg
CTh. DIS 20 min 60°C		
CTh. DIS 30 min 40°C		
Fabric type	Cotton, linen or cotton mix fabrics.	
Notes	<ul style="list-style-type: none"> – Chemo-thermal disinfection programmes with different temperatures and holding times. – The <i>No spin</i> setting is not possible. 	
Extra option	Pre-wash	
Detergent	Specially formulated detergent (registered detergents and disinfectants; standards operating in your country must be observed).	

Maintenance programme

Maintenance programme 70°C		No laundry
	For cleaning the detergent drawer, the drum, the suds container and the drainage system. <ul style="list-style-type: none"> – Detergent is required. – If you use disinfection programmes on a regular basis, the <i>Maintenance prog.</i> should be frequently carried out. 	
Detergent	Universal detergent	

Hygiene

Hygiene	No laundry
<p><i>Hygiene</i> will appear in the display if the last programme selected used a temperature below 55°C or if the <i>Spin</i> programme is selected. You should then run a programme that uses a temperature of at least 60°C or the <i>Hygiene</i> programme.</p>	
<p>To select the Hygiene programme:</p> <ul style="list-style-type: none">– Do not put any laundry into the drum, add a little detergent to compartment  and start the programme, or– Select a wash programme with a temperature higher than 60°C. <p>If you ignore this advice, the next programme will run as usual, and the <i>Hygiene</i> instruction will appear in the display again at the end of the programme.</p>	

Programme chart

Bakers/Butchers

Flour	40°C to 95°C	Max. load 8.0 kg
Flour+	40°C to 95°C	
Use for	Overalls, jackets, hats and cloths made from cotton or mixed fibre.	
Tip	<ul style="list-style-type: none"> – Use a detergent containing enzymes. – Select the <i>Flour +</i> programme for heavy soiling. 	
Note	Includes a pre-rinse to remove coarse soiling.	
Extra options	Pre-wash, Rinse hold	
Detergent	Universal detergent	
Grease and fat	40°C to 80°C	Max. load 8.0 kg
Grease and fat+	40°C to 95°C	
Use for	Overalls, jackets, hats and cloths made from cotton or mixed fibre.	
Tip	<ul style="list-style-type: none"> – Use a detergent containing enzymes. – Select the <i>Grease and fat +</i> programme for heavy soiling, and use a specialist liquid detergent. 	
Note	Includes a pre-rinse to remove coarse soiling.	
Extra options	Pre-wash, Rinse hold	
Detergent	Universal detergent	
Workwear	40°C to 80°C	Max. load 8.0 kg
Workwear+	60°C to 95°C	
Use for	Heavily soiled overalls, trousers, jackets made from cotton or mixed fibre.	
Tips	<ul style="list-style-type: none"> – Use a detergent with enzymes for the pre-wash. – Select the <i>Workwear+</i> programme for heavy soiling, and use a specialist liquid detergent. 	
Extra options	Pre-wash, Rinse hold	
Detergent	Universal detergent	

Beauty salons/Health spas

Towels	40°C	Max. load 6.0 kg
Towels+	40°C to 80°C	
Use for	Lightly soiled cotton towels	
Tips	<ul style="list-style-type: none"> – For dark coloured fabrics use a detergent for coloured fabric. – Select the <i>Towels+</i> programme for heavy soiling. 	
Extra option	Rinse hold	
Detergent	Universal detergent	
Capes	30°C	Max. load 3.0 kg
Use for	Lightly soiled capes made from synthetic fibre	
Note	Max spin speed 600 rpm	
Extra option	Rinse hold	
Detergent	Liquid detergent for delicates	

Programme chart

Fire service

Masks 10min	70°C	4-5 masks
Masks 20min	60°C	
Masks 30min	40°C	
Items	Breathing masks with head straps	
Tips	<ul style="list-style-type: none">– Chemo-thermal disinfection programmes with different temperatures and holding times, for washing and disinfecting breathing masks.– Place masks in a special bag to protect them - one mask to a bag.– Place the headband around the visor to protect it.	
Note	A 400 rpm spin cycle is carried out to remove suds from the protective bags (rinse and final spin).	
Detergent	Specially formulated detergent. Please observe the manufacturer's instructions.	

Masks with connectors for helmets must not be cleaned in this machine because the visors can be damaged by the connectors.





Programme chart

Protective clothing		60°C	Max. load 4.0 kg
Items	Protective clothing (e.g. as used by the fire brigade), overalls, jackets, trousers		
Tips	Do not use to wash items lined in pure wool.		
Notes	<ul style="list-style-type: none"> – Programme with pre-wash – Max spin speed 1000 rpm 		
Extra option	Rinse hold		
Detergent	Specially formulated detergent		
Protective clothing + proof		60°C	Max. load 4.0 kg
Items	Protective clothing (e.g. as used by the fire brigade) which has to be washed and re-proofed		
Tips	<ul style="list-style-type: none"> – Proofing agents must be suitable for garments used in this area of application. – Add proofing agent to the fabric conditioner compartment. – At the end of the programme, items should be thermally treated in a tumble dryer to achieve optimum results. 		
Notes	<ul style="list-style-type: none"> – Programme with pre-wash – Max spin speed 1000 rpm 		
Extra option	Rinse hold		
Detergent	Specially formulated detergent		
Proof protect. clothing		40°C	Max. load 4.0 kg
Items	Freshly washed protective clothing (e.g. as used by the fire brigade) which has to re-proofed		
Tips	<ul style="list-style-type: none"> – Proofing agents must be suitable for garments used in this area of application. – Add proofing agent to the fabric conditioner compartment. – At the end of the programme, items should be thermally treated in a tumble dryer to achieve optimum results. 		
Note	Max spin speed 800 rpm		
Extra option	Rinse hold		

Remove karabiners, close velcro fastenings, wash pure wool items separately and do not wash items inside out.

Programme chart

Professional cleaners

WetCare sensitive 25°C		4.0-5.0 kg
Use for	Clothing such as suits and jackets marked with the  or 	
Notes	<ul style="list-style-type: none"> – After wet cleaning, items are treated in a finishing bath. – A liquid finishing agent should be used; this should be added to the fabric conditioner compartment. – Max spin speed: 1100 rpm 	
Extra option	Rinse hold	
Detergent	Specialist liquid detergent	
WetCare silks 30°C		3.0-4.0 kg
Use for	Items that are susceptible to creasing and silk garments	
Notes	<ul style="list-style-type: none"> – After wet cleaning, items are treated in a finishing bath. – A liquid finishing agent should be used; this should be added to the fabric conditioner compartment. – Max spin speed: 600 rpm 	
Extra option	Rinse hold	
Detergent	Specially formulated detergent	
WetCare intensive 30°C to 40°C		4.0-5.0 kg
Use for	Heavily soiled clothing marked with the  or  symbol	
Notes	<ul style="list-style-type: none"> – After wet cleaning, items are treated in a finishing bath. – A liquid finishing agent should be used; this should be added to the fabric conditioner compartment. – Max spin speed: 1100 rpm 	
Extra options	Pre-wash, Rinse hold	
Detergent	Specially formulated detergent	

Special programmes

You can create 5 special programmes and name these. Enter their details in the table below:

For example:	
EXTRA+	
– Pre-wash intensive	
– Main wash intensive	95 °C
– Rinse 1	
– Rinse 2	
– Rinse 3	
– Spin	1300 rpm
– Finishing agent	

Max. load: 9 kg

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Note

The 5 special programmes have been pre-programmed with basic parameters at the factory: see "Settings/Supervisor level menu".

Relay control for external dispensing system

This washer-extractor is fitted with an adapter for an external dispensing system. The external pumps are controlled by relays in the washer-extractor. The dispensing containers must be filled with the correct detergent or chemical agents in the order specified.

	Pre-wash	Main wash Block start	Main wash Temp. reached	Finishing
Basic programmes				
Cottons hygiene	R 1	R 2	R 5	R 4
Cottons universal	R 1	R 2	R 5	R 4
Minimum iron	R 1	R 2	-	R 4
Delicates	R 3	R 3	-	R 4
Woollens	-	R 3	-	R 4
Quick wash	-	R 2	-	R 4
Silks	-	R 3	-	R 4
Shirts	-	R 2	-	R 4
Intensive wash	-	R 2	-	R 4
Outerwear	-	R 2	-	R 6
Proofing	-	-	-	R 6
Towelling	-	R 2	R 5	R 4
Household				
Dark garments	-	R 2	-	R 4
Denim	-	R 2	-	R 4

R 1 = Relay 1 = Pre-wash

R 2 = Relay 2 = Main wash

R 3 = Relay 3 = Delicates / WetCare

R 4 = Relay 4 = Fabric softener / WetCare

R 5 = Relay 5 = Disinfecting agent

R 6 = Relay 6 = Proofing agent

Relay control for external dispensing system

	Pre-wash	Main wash Block start	Main wash Temp. reached	Finishing
Sport				
Indoor sportswear	-	R 3	-	R 4
Outdoor sportswear	R 1	R 3	-	R 6
Hotel				
Kitchen linen	R 1	R 2	R 5	R 4
Table linen	R 1	R 2	R 5	R 4
Curtains	R 3	R 3	-	R 4
Bed linen	-	R 2	R 5	R 4
Bedding				
Pillows	-	R 2	-	R 4
Down duvets	-	R 3	-	R 4
Synthetic duvets	-	R 3	-	R 4
Natural fibre blankets	-	R 3	-	R 4
Disinfection				
Th. DIS 15min	R 1	R 2	R 5	R 4
CTh. DIS	R 1	R 2	R 5	R 4
Maintenance programme				
Maintenance programme	-	R 2	-	-
Hygiene				
Hygiene	-	R 2	-	-
R 1 = Relay 1 = Pre-wash R 2 = Relay 2 = Main wash R 3 = Relay 3 = Delicates / WetCare R 4 = Relay 4 = Fabric softener / WetCare R 5 = Relay 5 = Disinfecting agent R 6 = Relay 6 = Proofing agent				

Relay control for external dispensing system


	Pre-wash	Main wash Block start	Main wash Temp. reached	Finishing
Bakers/Butchers				
Flour (+)	R 1	R 2	-	R 4
Grease and fat (+)	R 1	R 2	R 5	R 4
Workwear (+)	R 1	R 2	R 5	R 4
Beauty salons/Health spas				
Towels (+)	-	R 2	R 5	R 4
Capes	-	R 2	-	R 4
Fire service				
Masks 10 min		R 2	R 5	-
Masks 20 min		R 2	R 5	-
Masks 30 min	-	R 2	R 5	-
Protective clothing	R 1	R 3	-	-
Protective clothing + proof	R 1	R 3	-	R 6
Proof prot. clothing	-	-	-	R 6
Professional cleaning				
WetCare sensitive	-	R 3	-	R 4
WetCare silks	-	R 3	-	R 4
WetCare intensive	R 3	R 3	-	R 4
R 1 = Relay 1 = Pre-wash R 2 = Relay 2 = Main wash R 3 = Relay 3 = Delicates / WetCare R 4 = Relay 4 = Fabric softener / WetCare R 5 = Relay 5 = Disinfecting agent R 6 = Relay 6 = Proofing agent				

Relay control for external dispensing system


	Pre-wash		Main wash Block start		"final rinse"	"Finishing"
	"normal"/ "intensive"	"gentle"	"normal"/ "intensive"	"gentle"		
Special programmes						
S.prog.1	R 1	R 3	R 2 + R 5	R 3	R 4	R 6
S.prog.2	R 1	R 3	R 2 + R 5	R 3	R 4	R 6
S.prog.3	R 1	R 3	R 2 + R 5	R 3	R 4	R 6
S.prog.4	R 1	R 3	R 2	R 3	R 4	R 6
S.prog.5	R 1	R 3	R 2	R 3	R 4	R 6
R 1 = Relay 1 = Pre-wash R 2 = Relay 2 = Main wash R 3 = Relay 3 = Delicates / WetCare R 4 = Relay 4 = Fabric softener / WetCare R 5 = Relay 5 = Disinfecting agent R 6 = Relay 6 = Proofing agent						

Changing default settings

Default settings can be altered to adapt the machine to different requirements.

Depending on the programmable status, the *Settings/Supervisor level* menu can be locked with a code to prevent it being accessed by unauthorised personnel (the Language  setting can still be altered).

– Code not required

Some settings are visible and can be changed by all operators via the *Settings*  menu.

– Code required

All settings may be changed upon entering a code (*Settings /Supervisor level* menu)

Please contact the Miele Service Department for details.



Note regarding the commissioning of the machine


The machine must be commissioned as described at the beginning of this booklet.

Settings menu




To open the Settings menu

If the Settings menu is not locked (Code not required), some of the settings may be changed.

1	Cottons Uni.	60°C	Programme selection...
2	Minimum iron	40°C	Settings 
3	Delicates	40°C	
4	Woollens 	30°C	15:00

- Select *Settings*  from the entry menu and confirm your selection with the multi-function selector.

To select a setting

Settings	Back 
	Language 
	Suds cooling
	Time of day 

- Select the setting you want to change, and confirm your selection.

If you do not make a selection in the sub-menu within approx. 15 seconds, the display will revert to the *Settings* menu.

Language

A different language setting will only apply to the programme currently in use. After the programme has finished the display will revert to the default language which was set in the *Settings/Supervisor level* menu.

To close the Settings menu

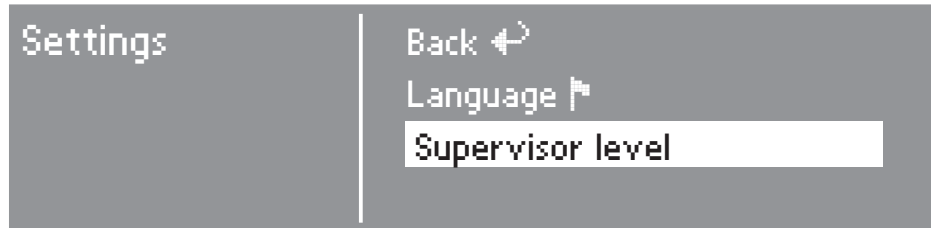
Select *Back* and confirm your selection. The display will return to the entry menu.

Settings/Supervisor level menu

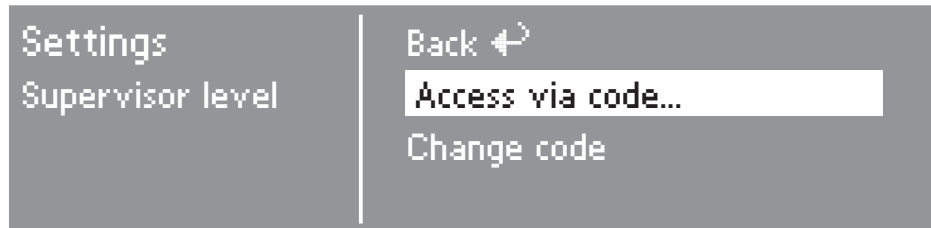
To open the Settings/Supervisor level menu

The *Settings* menu can be locked against unauthorised use (except for the *Language* option). It will then only be able to be accessed at Supervisor level by entering a code.

To select a setting



- Select *Supervisor level* and confirm your selection.



- Select *Access via code* and confirm your selection.

To enter the code

Enter the digits **0 0 0** (factory default setting). If you enter the code wrongly three times, the machine will lock out for an hour.



- Turn the multi-function selector until the first number appears. Then press it to confirm your selection of this number. Now enter the second number.
- Repeat the process until all three numbers have been entered.

Settings/Supervisor level menu

To confirm the code



- Confirm the code you have entered.




You are now in Supervisor level.

You can alter the code if you want to prevent it being accessed by unauthorised personnel (see Settings *Supervisor level*).

Settings/Supervisor level menu

Language

The display can be set to appear in one of several different languages.

To select the language you want, go to the *Languages*  sub-menu.

- If the language shown is not the one you want turn the multi-function selector to highlight the one that you do want and confirm your selection.

The flag after the word *Language* acts as a guide to prevent a language which will not be understood from being set.

If after setting a new language no further entries are made for approx. 15 seconds the display will revert to the previously set language.

To close the Settings menu

Select *Back* and confirm your selection. The display will return to the entry menu.

Sort languages

You can select the order that you want the languages available to appear in in the display if you have first selected the *International* or *International, 4 langs.* option from the *Language menu* in the Settings menu.

Suds cooling

When this is activated, additional water flows into the drum at the end of the main wash to cool the suds down. Hot suds can damage plastic drainage pipes.

Suds cooling takes place when temperatures above 70°C are selected.

Suds cooling should be activated:

- where the drainage pipes do not comply with DIN 1986.

The machine is delivered with Suds cooling activated.

Settings/Supervisor level menu

Time of day

First select whether you want the clock displayed as a 24 hour or 12 hour clock, or to not display it at all. Then set the current time of day.

If you select to not display the clock, the Timer can be used to delay the start by up to 24 hours, i.e. it will show how many hours until the start but not the current time of day.

To select a 24 hour or 12 hour clock

- Select the clock option you want and confirm your selection.

The display will then change to the screen for setting the time of day.

To set the time of day

- Use the multi-function selector to select the hour and confirm your selection. Now set the minutes. Pressing the multi-function selector again saves the time of day in memory.

Supervisor level

You can alter the access code to the supervisor level.

- Enter the old code.
- Enter a new code.

After you have confirmed the new code, the display will change to the beginning of the *Settings* menu.

Display contrast / Display brightness

There are ten different display contrast and brightness settings.

The display contrast/brightness will change as soon as a different setting is chosen.

- Confirm your selection with the multi-function selector.

Settings/Supervisor level menu

Standby

To save energy, the display goes out after 10 minutes and the *Start* button flashes slowly.

Operating the multi-function selector or one of the short cut buttons switches the display back on again.

You have 3 options:

On

Standby comes on:

- if a programme is not selected after the machine has been switched on.
- after a programme has started.
- after the end of a programme.

Not in current prog. (the machine is delivered with this option selected)

Standby comes on:

- if a programme is not selected after the machine has been switched on.

Off

The display remains on all the time.

Memory

If an extra option has been selected for a programme, or the recommended temperature or spin speed has been altered, the machine will store the changes in memory at the start of a programme.

The next time this programme is selected these settings will appear in the *Programme selection* menu.

The memory function is not active when favourite programmes are selected using the short cut buttons.

The machine is delivered with the memory function deactivated.

Temperature unit

You can choose for the temperature to be displayed in °C/*Celsius* or °F/*Fahrenheit*.

The machine is delivered with the °C option selected.

Settings/Supervisor level menu

Special programmes

You can create 5 special programmes and save these as favourite programmes with their own names.

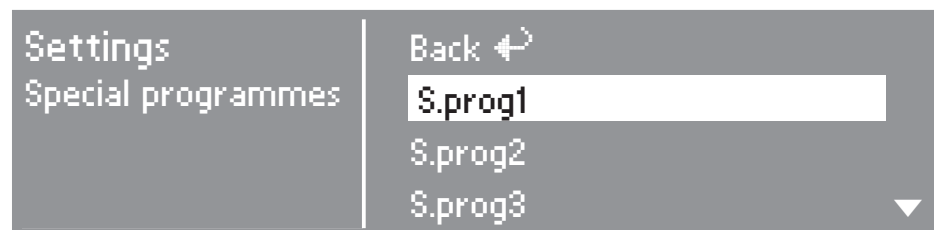
The special programmes are pre-programmed with basic settings.

- Wash temperature: cold
- Spin speed: without spin
- Wash block: Main wash: short
- Extra options cannot be selected
- External detergent dispensing is not possible

Saving your options to memory and creating individual programmes is described in the next few pages.

To create a special programme

Special programmes must first be activated under the *Target groups* setting.



- Select *S.Prog 1, 2, 3, 4* or *5*

1. To save the programme name



- Confirm *Delete* to change the programme name.

Settings/Supervisor level menu

- Confirm *Delete* again until the symbols you wish to delete have been removed.



- Turn the multi-function selector to move the cursor to the symbol line.
- Using the multi-function selector, select and confirm each letter or symbol in turn to create the programme name.
A maximum of 7 characters may be entered.

abc/ABC

To select lower or upper case letters (short-cut button 1)

Delete

Deletes the last character entered (short-cut button 2)

Continue

To finish entering text (short-cut button 3)
To go directly to the programme creation menu (see below)

Back

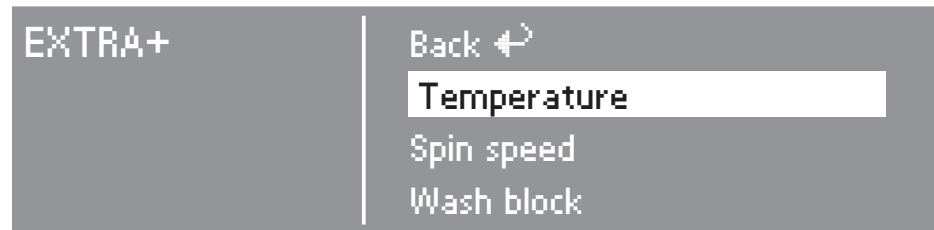
Back to the level above (short-cut button 4)

Settings/Supervisor level menu

2. Programme creation menu

You can choose the programme's features by changing the basic settings.

Enter the names of your special programmes and their basic settings into the "Special programmes" table in the "Programme chart".



Temperature

- The temperature can be selected in 5°C steps from cold to 95°C.

Spin speed

- The spin speed is selected in steps of 100 from *Without spin* to 1300 rpm.

Wash block

- One or more wash blocks can be selected.
- To save the special programme, select "Confirm selection" at the end of the list.
- Select *Back*. The programme will now appear in the *Programme selection* menu.

Settings/Supervisor level menu

Favourites

You can configure the 12 programmes in the basic menu for machine variant *Shortcut keys + Logo* (only in conjunction with *Controls* setting *Shortcut keys + Logo*).

You can choose programmes from the machine's complete range of programmes. The first three programmes listed will be allocated to shortcut keys 1 to 3.

How to change a programme in the list:

- Select *Favourites and confirm your selection*.
- Select a programme from the list.
- Change one or more components (programme name, temperature, spin speed, pre-wash).
- Press short cut button Save.

The programme is saved in the list.

Logo

You can choose whether to have the "Miele Professional" logo or one of your own in the display. (The control option *Shortcut keys + Logo* has to be selected).

The "Miele Professional" logo appears as the default.

Language menu

You can select whether you want an additional welcome screen asking for a language to be selected to appear again after the end of a washing programme and before the entry menu.

You have 3 options:

national

The welcome screen does not appear (default setting).

international

The welcome screen will appear and the language must then be selected. Any available language can be selected. Follow the *Sort languages* setting.

International, 4 langs.

The welcome screen will appear and the language must then be selected. One of four languages can be selected. Follow the *Sort languages* setting.

Settings/Supervisor level menu

Intensive water plus

You can choose whether you want the *Intensive* and *Water plus* extra options to be available for selection in the Extras menu.

The machine is delivered with this setting deactivated (deselected).

Water plus

This setting is used to select the water intake setting for the *Water plus* extra option.

You have 3 options:

Water plus

The water level is increased in the wash and rinse stages of the *Cottons hygiene*, *Cottons universal*, *Minimum iron*, *Silks* and *Table linen* programmes (default setting).

Extra rinse

An extra rinse is introduced in the *Cottons hygiene*, *Cottons universal* and *Minimum iron* programmes.

Water plus and Extra rinse

The water level is increased in the wash and rinse stages of the *Cottons hygiene*, *Cottons universal*, *Minimum iron*, *Silks* and *Table linen* programmes and an extra rinse is also introduced in the *Cottons hygiene*, *Cottons universal* and *Minimum iron* programmes.

Save

You can choose whether you want the Save option to appear in the main menu. The save function is required if, for example, you want to change the favourite wash programmes which have been saved to the short cut buttons.

The machine is delivered with this option deactivated.

Auto load control

The machine has auto load control. The water level and the programme durations are adjusted in some programmes according to the load. If the auto load control is deactivated, the machine will always carry out the programme sequence based on a full load.

The machine is delivered with this option activated.

Pre-wash water

You can select hot or cold water for the pre-wash. Hot water can only be used if the wash temperature is above 30°C.

This setting is confirmed when the machine is commissioned.

Settings/Supervisor level menu

Main wash water

You can select hot or cold water for the main wash. Hot water can only be only taken in if the wash temperature is above 30°C.

This setting is confirmed when the machine is commissioned.

If the machine is not connected to the hot water supply, programme durations will be longer.

Rinse water

You can select hot or cold water for the final rinse. Hot water can only be only taken in if the wash temperature is above 50°C.

The machine is delivered with the *Cold* water option selected.

Low water pressure

This setting can be activated to ensure problem free water intake where the water pressure is constantly low (below 100 kPa).

The machine is delivered with the *No* option activated.

MOPS pre-spin

This option is visible in the display but not available on this machine!

MOPS final spin

This option is visible in the display but not available on this machine!

Settings/Supervisor level menu

Standard finish

This option is visible in the display but not available on this machine!

Disinfection finish

This option is visible in the display but not available on this machine!

Empty sensor

You can activate the *Empty sensor* option for the external liquid detergent containers so that a message appears in the display when a container is empty.

The factory default setting is *No* (no empty sensor).

Water level Cottons

You can increase the water level for the main wash in the *Cottons hygiene* and *Cottons universal* programmes.

The machine is delivered with the Block parameters option selected (the water level will be controlled according to the data programmed on-site).

Water level Min. iron

You can increase the water level for the main wash in the *Minimum iron* programme.

The machine is delivered with the Block parameters option selected (the water level will be controlled according to the data programmed on-site).

PW temp. Cottons

You can select the temperature you want the pre-wash to be carried out at in the *Cottons hygiene* and *Cottons universal* programmes.

The machine is delivered with the Block parameters option selected (the temperature will be controlled according to the data programmed on-site).

PW duration Cottons

The pre-wash duration can be changed in the *Cottons hygiene* and *Cottons universal* programmes.

The machine is delivered with the Block parameters option selected (the wash duration will be controlled according to the data programmed on-site).

Wash time Cottons

You can increase the wash duration for the main wash in the *Cottons hygiene* and *Cottons universal* programmes.

The machine is delivered with the Block parameters option selected (the wash duration will be controlled according to the data programmed on-site).

Wash time Min. iron

You can increase the wash duration for the main wash in the *Minimum iron* programme.

The machine is delivered with the Block parameters option selected (the wash duration will be controlled according to the data programmed on-site).

Target groups

You can extend your choice of programmes by activating target group programmes.

The target group programmes selected will be added to the basic programmes. Further information can be found in "Programme chart".

- Household
- Sport
- Hotel
- Bedding
- Disinfection
- Maintenance programme
- Hygiene
- Bakers/Butchers
- Beauty salons/Health spas
- Fire service
- Professional cleaners
- Special programmes

Only once you have made your selection, select *Confirm selection* and confirm.

Settings/Supervisor level menu

Pre-wash

You can choose for pre-wash to be carried out with every *Cottons hygiene*, *Cottons universal* and *Minimum iron* programme or to select it each time via the Extras menu.

The machine is delivered with the *Select from menu* option activated.

No. rinses Cottons

You can alter the number of rinses which are carried out in the *Cottons hygiene* and *Cottons universal* programmes.

- 2 rinses (factory default setting)
- 3 rinses
- 4 rinses
- 5 rinses

No. rinses Minimum iron

You can alter the number of rinses which are carried out in the *Minimum iron* programme.

- 2 rinses (default setting)
- 3 rinses
- 4 rinses

Pre-rinse Cottons

A pre-rinse can be carried out in the *Cottons hygiene* and *Cottons universal* programmes.

The machine is delivered with this option deactivated.

Pre-rinse Minimum iron

A pre-rinse can be carried out in the *Minimum iron* programme.

The machine is delivered with this option deactivated.

Spin free of charge

If your machine is fitted with a payment system, you can release the *Spin* programme (Free of charge).

The machine is delivered with this option deactivated.

Settings/Supervisor level menu

Coin mechanism lock

If your machine is fitted with a payment system, you can activate the lock immediately after the start of the programme, or three minutes after it has started.

You have four options:

immediately

The machine locks straight away.

in 3 minutes

The machine will lock after a period of 3 minutes (default setting)

as soon as cancelled

The machine locks straight away. *Cancel* will appear in the display if the start button is held in for 4 seconds. You can then cancel the programme in the next 3 minutes.

3 min. after cancelling

The machine will lock after a period of 3 minutes. *Cancel* will appear in the display if the start button is held in for 4 seconds. You can then cancel the programme in the next 3 minutes.

Demo programme

This can be used by dealers to demonstrate the machine in their showrooms.

When *On* is selected, the machine can be used, depending on its programmable status, but it is not possible to start a programme.

No detergent.

If your machine is fitted with an external dispensing system, the system will not be used when *No detergent* is selected. You can choose whether or not you want *No detergent* to appear as an option in the *Extras* menu.

The machine is delivered with this option deactivated.

Temp. reduction

At altitudes over 3000 m the suds temperature for the Cottons programmes can be reduced by 5°C to prevent it boiling too early.

The machine is delivered with this function deactivated.

Settings/Supervisor level menu

Controls

You can change the way the machine is used with this setting.

Caution: If "WS-shortcut keys, basic" or "WS-shortcut keys + Logo" mode has been selected the *Settings* menu is not accessible after exiting the *Settings/Supervisor level* menu. You cannot then get back into *Supervisor level*. If you need to access it please contact the Miele Service Department.

D with short cut keys
(default setting).

WS-shortcut keys, basic

There are 4 pre-set (Favourite) programmes only available. These cannot be altered by the user.

- Before activating this setting you must first select 4 favourite programmes. See "Favourites".

WS-shortcut keys + Logo

(special version for laundry salons).

To configure programmes for the basic menu on variant *WS-shortcut keys + Logo* go to *Favourite programmes*. You can use your own logo. Follow the *Logo* setting.

Delay start

Using the timer you can set the time you wish a programme to finish at (see the *Timer* section). The timer can be set to *active* or *inactive*.

The default setting is *inactive*. If the *Timer* button is pressed the display will only show the programme duration, the time the programme is estimated to finish at and the current time of day.

To close the Settings menu

- Select *Back* and confirm your selection. The display will return to the entry menu.

Settings which can only be changed during the commissioning process

If you wish to change any of these settings at a later stage, please contact the Miele Service Department.

Payment system

A coin box needs to be fitted.

– No coin box

– Programme operation

The machine is operated using a coin box. The user purchases a wash programme.

– Timed operation

The machine is coin-operated using a time meter. The user purchases a time-controlled programme.


– RS 232

Serial interface RS 232 is active when the machine is operated with coins (an RS 232 module must be fitted).

– IK6

Serial interface RS 232 is active in IK6 mode when the machine is operated with coins (an IK6 and RS 232 module must be fitted).

Supervisor level code

The *Settings/Supervisor level* menu can be locked with a code to prevent it being accessed by unauthorised personnel (the Language  setting can still be altered).

– Code not required

Only some of the settings can be changed (temporary Language setting, Suds cooling, Time of day, contrast, brightness, standby, memory and temperature unit).

These settings can be changed by any user.

– Code required

A code must be entered in order to change the settings. All of the settings may be changed.

Select this option if you only want users to be able to change settings via a code.

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