



## Programme overview Commercial washing machine PWM 909

---

**Always** read the operating instructions before setting up, installing and commissioning the machine. This prevents both personal injury and damage to the machine.









en-GB

# Contents

---




<b>Programme summary</b> .....	<b>3</b>
Selectable extras .....	3
Selectable extras for liquid dispensing.....	3
Basic programmes .....	4
Whites programmes.....	4
Delicates/Shirts/Woollens programmes .....	6
Separate rinse programme.....	7
Spin.....	7
Drain .....	7
Starch programme.....	7
Clean machine .....	8
Programme chart - Hotel/Restaurant/Catering.....	9
Bed linen/towelling programme .....	9
Mattress protectors programme .....	9
Spa towelling programme .....	10
Bathrobes programme .....	10
Kitchen linen.....	11
Table linen programme.....	11
Bedding/Curtains.....	12
Curtains.....	12
Bedding.....	13
Bedding load sizes.....	13
Disinfection - general information.....	14
What is disinfection? .....	14
Thermal disinfection.....	14
Chemo-thermal disinfection .....	14
RKI list (Robert Koch Institute) .....	14
Disinfection process according to areas of impact .....	14
VAH list .....	15
Avoidance of contamination or recontamination.....	15
Cleaning dispensing drawers and siphons.....	15
Water connection for variants with reduced heater rating (RH).....	15
Water connection for variants with external heating (EH).....	15
Disinfection .....	16
Buildings maintenance .....	19
Mop .....	20
Mats/Pads programmes.....	25
Cleaning cloth programmes .....	26
Fire brigade programme overview .....	30
Protective clothing programmes .....	30
Masks programmes.....	32
Rescue clothing programmes .....	33
WetCare.....	35
Outerwear programme overview .....	36
Equestrian.....	37
Sport.....	39
Workwear .....	40
Sluice programme overview (Healthcare HTM 01-04).....	41
Programme sequence Sluice .....	42
Programme overview: Eco programmes.....	43

### Selectable extras

Extra	Symbol	Description
Pre-rinse		Pre-rinse before the wash processes start
Pre-wash		Pre-wash before starting the main wash
Soak		Block to start main wash, 30 °C, little movement
Water plus		Increase amount of water in main wash
Intensive		Extension of the main wash after the temperature stop
Rinse plus		Additional rinse block
Fill stop		Stop at the start of the last rinse, before water is supplied
Rinse hold		Hold at the end of the last rinse, before water is drained

### Selectable extras for liquid dispensing

Selecting these extras may deselect the relevant detergent component for the next wash cycle.

Extra	Symbol	Description
Detergent		Detergent component is deselected
Additives		No dispensing of the additive component (e.g. stain booster)
Care product		No dispensing of the care product component (e.g. fabric conditioner, proofing agent)

## Programme summary

### Basic programmes

The **wash time** is the minimum main wash time after the set temperature is reached. The times for water intake, dispensing, heating, intermediate spinning, etc. are not included.

### Whites programmes

Whites		90 °C (70 °C to 90 °C)	Load ratio/Load size
<b>Fabric</b>	Cotton, linen and mixed fibre fabrics, e.g. bed linen and towelling		1:9 PWM 909 – 9 kg
<b>Programme sequence</b>	Main wash up to 90 °C, wash time 11 min Cool down can be activated in the Miele Benchmark Programming Tool 2 rinse cycles Last rinse cycle hot* Final spin		
<b>Extras</b>	Pre-wash, Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		

\* The standard programmes **Whites** and **Coloured items** are programmed with hot water rinse cycles. If hot water is available, we recommend using hot water for the final rinse:

- There is less residual moisture in the laundry after spinning.
- The laundry is already warmed.
- This saves time and energy if the laundry is immediately either dried in a tumble dryer or ironed with an ironer.

### Coloured items programmes

Coloured items		60 °C (Cold to 60 °C)	Load ratio/load size
<b>Fabric</b>	Normally soiled cotton, linen and mixed fibre fabrics, e.g. bed linen and towelling		1:9 PWM 909 – 9 kg
<b>Programme sequence</b>	Main wash up to 60 °C, wash time 11 min 2 rinse cycles Last rinse cycle hot* Final spin		
<b>Extras</b>	Pre-wash, Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		
Colours intensive		60 °C (Cold to 60 °C)	
<b>Fabric</b>	Heavily soiled cotton, linen or mixed fibre fabrics, e.g. bed linen and towelling, workwear		
<b>Programme sequence</b>	Main wash up to 60 °C, wash time 8 min 2 rinse cycles Last rinse cycle hot* Final spin		
<b>Extras</b>	Pre-wash, Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		
Colours Eco short		50 °C (Cold to 60 °C)	Load ratio/load size
<b>Fabric</b>	Lightly soiled cotton, linen and mixed fibre fabrics, e.g. bed linen and towelling		1:9 PWM 909 – 9 kg
<b>Programme sequence</b>	Main wash up to 60 °C, wash time 5 min 2 rinse cycles Final spin		
<b>Extras</b>	Pre-wash, Water plus, Rinse plus, Fill stop, Rinse hold		

\* The standard programmes **Whites** and **Coloured items** are programmed with hot water rinse cycles. If hot water is available, we recommend using hot water for the final rinse cycle:

- There is less residual moisture in the laundry after spinning.
- The laundry is already warmed.
- This saves time and energy if the laundry is immediately either dried in a tumble dryer or ironed with an ironer.

### Minimum iron programmes

Minimum iron		40 °C (Cold to 60 °C)	Load ratio/Load size
<b>Fabric</b>	Normally soiled synthetic and mixed fibre fabrics		1:20 PWM 909 – 4 kg
<b>Programme sequence</b>	Main wash up to 60 °C, wash time 7 min 2 rinse cycles Final spin		
<b>Extras</b>	Pre-wash, Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		

## Programme summary

### Delicates/Shirts/Woollens programmes

<b>Delicates</b>		<b>30 °C (Cold to 60 °C)</b>	<b>Load ratio/Load size</b>
<b>Fabric</b>	Synthetic and artificial fibre fabrics		1:25 PWM 909 – 3.2 kg
<b>Programme sequence</b>	Main wash up to 60 °C, wash time 12 min Wash rhythm “gentle” 2 rinse cycles Final spin		
<b>Extras</b>	Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		
<b>Shirts</b>		<b>40 °C (Cold to 60 °C)</b>	
<b>Fabric</b>	Shirts and blouses made of cotton and mixed fibre		
<b>Programme sequence</b>	Main wash up to 60 °C, wash time 7 min 2 rinse cycles Final spin		
<b>Extras</b>	Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		
<b>Woollens</b>		<b>30 °C (Cold to 40 °C)</b>	
<b>Fabric</b>	Machine washable woollens and wool mixtures with a woollens care label		
<b>Programme sequence</b>	Main wash up to 40 °C, wash time 6 min Wash rhythm “very gentle” 2 rinse cycles Final spin		
<b>Extras</b>	Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		
<b>Handwash. woollens</b>		<b>30 °C (Cold to 40 °C)</b>	
<b>Fabric</b>	Washable woollens and wool mixtures with a woollens care label		
<b>Programme sequence</b>	Main wash up to 40 °C, wash time 6 min Wash rhythm “extra gentle” 2 rinse cycles Final spin		
<b>Extras</b>	Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		

### Separate rinse programme

Separate rinse		Load ratio/Load size
<b>Fabric</b>	Items which only need to be rinsed and spun	1:9 PWM 909 – 9 kg
<b>Programme sequence</b>	1 rinse cycle Final spin	
<b>Extras</b>	Fill stop, Rinse hold	

### Spin




Spin		Load ratio/Load size
<b>Fabric</b>	Items which have been washed and only need to be spun in the machine	1:9 PWM 909 – 9 kg
<b>Programme sequence</b>	Final spin	

### Drain

Drain		
<b>Programme sequence</b>	Drainage	

### Starch programme


Starch		30 °C (Cold to 40 °C)	Load ratio/Load size
<b>Fabric</b>	For starching freshly laundered items such as table cloths, serviettes and workwear		1:10 PWM 909 – 8 kg
<b>Programme sequence</b>	1 rinse cycle* Final spin		
<b>Extras</b>	Rinse hold		

\* Starch concentrates can be added to the front right and/or back right dispenser drawer compartment  before the programme starts. Large quantities of starch solution can be added manually with the water using the dispenser compartments  or .

## Programme summary

---

### Clean machine

Clean machine		70 °C (70 °C to 90 °C)
<b>Fabric</b>	No load	
<b>Programme sequence</b>	+  Intensive button: additional main wash up to 90 °C, wash time 6 min 2 rinse cycles Drainage	
<b>Extras</b>	Soak, Water plus, Intensive, Rinse plus, Fill stop	



### Programme chart - Hotel/Restaurant/Catering

A multitude of textiles with widely varying degrees of soiling fall into this area. These programmes are suitable for washing lightly soiled bedding and towels, through heavily soiled table linen to very heavily soiled kitchen linen.

#### Bed linen/towelling programme

Bed linen/towelling		60 °C (Cold to 90 °C)	Load ratio/Load size
<b>Fabric</b>	Linen and mixed fibre coloured and white bed linen and towelling		1:10* PWM 909 – 8 kg
<b>Programme sequence</b>	Main wash up to 90 °C, wash time 10 min Cool down can be activated in the Miele Benchmark Programming Tool 2 rinse cycles Final spin		
<b>Extras</b>	Pre-wash, Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		

\* Wash with maximum load.

#### Mattress protectors programme

Mattress protectors		60 °C (Cold to 90 °C)	Load ratio/Load size
<b>Fabric</b>	Synthetic waterproof mattress protectors		1:13 PWM 909 – 6.2 kg
<b>Programme sequence</b>	Main wash up to 90 °C, wash time 6 min 2 rinse cycles Final spin		
<b>Extras</b>	Pre-wash, Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		

## Programme summary

### Spa towelling programme

Spa towelling		50 °C (Cold to 90 °C)	Load ratio/Load size
<b>Fabric</b>	Coloured and white cotton, linen and mixed fibre fabrics, e.g. bed linen and towelling, with heavy oil and grease stains		1:13* PWM 909 – 6.2 kg
<b>Programme sequence</b>	Main wash up to 90 °C, wash time 6 min Extra main wash 75 °C** 2 rinse cycles Final spin		
<b>Extras</b>	Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		

\* Wash with maximum load.

\*\* In case of heavy soiling, e.g. by creams, massage oils, a second main wash at 75 °C can be added via the “Intensive” extra. In the case of coloured stains, additional bleach can be dispensed.

### Bathrobes programme

Bathrobes		60 °C (Cold to 90 °C)	Load ratio/Load size
<b>Fabric</b>	Cotton and mixed fibre bathrobes (select Pre-wash 40 °C for heavily soiled items)		1:13* PWM 909 – 6.2 kg
<b>Programme sequence</b>	Main wash up to 90 °C, wash time 6 min 2 rinse cycles Final spin		
<b>Extras</b>	Pre-wash, Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		

\* Wash with maximum load.

### Kitchen linen

Kitchen linen		90 °C (Cold to 90 °C)	Load ratio/Load size
<b>Fabric</b>	Cotton, linen and mixed fibre kitchen linen		1:13 PWM 909 – 6.2 kg
<b>Programme sequence</b>	Pre-rinse Main wash up to 90 °C, wash time 10 min Cool down can be activated in the Miele Benchmark Programming Tool 3 rinse cycles Final spin		
<b>Extras</b>	Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		

### Table linen programme

Table linen		60 °C (Cold to 90 °C)	Load ratio/Load size
<b>Fabric</b>	White and coloured cotton, linen and mixed fibre table linen		1:10 PM 909 – 8 kg
<b>Programme sequence</b>	Main wash up to 90 °C, wash time 10 min Cool down can be activated in the Miele Benchmark Programming Tool 2 rinse cycles Final spin		
<b>Extras</b>	Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		

## Programme summary

### Bedding/Curtains

#### Curtains

<b>Curtains</b>		<b>40 °C (Cold to 60 °C)</b>	<b>Load ratio/Load size</b>
<b>Fabric</b>	Synthetic and artificial fibre fabrics		1:25 PWM 909 – 3.2 kg
<b>Programme sequence</b>	Main wash up to 60 °C, wash time 14 min 3 rinse cycles Final spin		
<b>Extras</b>	Pre-rinse, Pre-wash, Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		
<b>Lightweight curtains</b>		<b>40 °C (Cold to 60 °C)</b>	
<b>Fabric</b>	Synthetic and artificial fibre fabrics		
<b>Programme sequence</b>	Pre-rinse Main wash up to 60 °C, wash time 6 min 3 rinse cycles Final spin		
<b>Extras</b>	Pre-rinse, Pre-wash, Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		

Programme sequence without spin:

- Press the  “Rinse hold” button.

### Bedding

These programmes are suitable for washing down, natural fibre and synthetic filling quilts, unquilted and quilted duvets.

These wash programmes are only suitable for washing items with a care label stating that they are suitable for machine washing.

<b>Down duvets</b>		<b>40 °C (Cold to 60 °C)</b>	<b>Load ratio/Load size</b>
<b>Fabric</b>	Normally to heavily soiled down and feather-filled duvets and pillows		See "Bedding load sizes"
<b>Programme sequence</b>	De-aerating Main wash up to 60 °C, wash time 8 min 2 rinse cycles Final spin		
<b>Extras</b>	Pre-wash, Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		
<b>Synthetic duvets</b>		<b>40 °C (Cold to 90 °C)</b>	
<b>Fabric</b>	Normally to heavily soiled synthetic duvets and pillows		
<b>Programme sequence</b>	Main wash up to 90 °C, wash time 8 min 2 rinse cycles Final spin		
<b>Extras</b>	Pre-wash, Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		
<b>Natural hair bedding</b>		<b>25 °C (Cold to 40 °C)</b>	
<b>Fabric</b>	Machine-washable natural fibre quilts and blankets		
<b>Programme sequence</b>	Main wash up to 40 °C, wash time 6 min, wash rhythm "extra gentle" 2 rinse cycles Final spin		
<b>Extras</b>	Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		

### Bedding load sizes

The maximum load sizes are set out in the chart below. The loads given are approximate only and vary depending on the size and thickness of the bedding.

<b>Model</b>	<b>Quantity*</b>
PWM 909	1–2 pillows

## Programme summary

---

### Disinfection - general information

#### What is disinfection?

Deactivation and reduction in number of pathogens transmitting diseases to such an extent that the transmission of diseases and infection is no longer to be anticipated.

#### Thermal disinfection

Thermal disinfection is carried out by the action of a defined temperature over a holding time. In the list, according to § 18 of the German infection control legislation, this is 90 °C over 10 min or 85 °C over 15 min. With a load-to-liquor ratio of 1–4 to 1–5 with the activity range AB (see “Disinfection process according to areas of impact”).

The thermal disinfection is independent of the detergent used, which does not have to be classified.

#### Chemo-thermal disinfection

Chemo-thermal disinfection differs from thermal disinfection by a lower liquor temperature during the disinfection phase. A compensation for the low temperature is ensured by the correspondingly listed washing and disinfecting components.

It is important that these products are used exactly according to the listings. The liquor temperature, the load-to-liquor ratio and the time of dispensing must be strictly adhered to.

For disinfection wash programmes there are two lists in which the necessary process parameters with regard to cleaning agents and disinfectants are listed.

#### RKI list (Robert Koch Institute)

Describes procedures for disinfection according to § 18 German infection control legislation. These processes are only required when a health authority prescribes the use of disinfection in the event of the outbreak of an epidemic relating to a notifiable, transferable disease where there is a risk of items being contaminated. The RKI lists thermal disinfection processes as well as chemo-thermal methods.

#### Disinfection process according to areas of impact

Disinfection procedure is divided into areas of impact A, B and C.

- Area of impact A:  
Suitable for the destruction of vegetative germs, including mycobacteria, mould fungi and fungal spores.
- Area of impact B:  
Suitable for deactivating viruses.
- Area of impact C:  
To deactivate anthrax spores.

### VAH list

VAH = Association for Applied Hygiene  
(previously DGHM = German Society for Hygiene and Microbiology)

The VAH/DGHM list describes the procedures required for routine prophylactic disinfection, and in particular for the prevention of infection in hospitals, doctors' offices, public areas and other areas where there may be the risk of infection spreading.

With respect to an officially directed disinfection, § 18 of the Infection Protection Act is invoked.

Special validated procedures and machines are to be used for surgical textiles as medical devices. The procedures and machines listed here are **not** medical devices.

### Avoidance of contamination or recontamination

- Disinfect your hands before using the machine.
- Use clean/disinfected transport containers.
- Dispense cleaning agents and disinfectants in accordance with instructions.
- Observe regulations regarding the wearing of protective clothing.
- Ensure that water is bacteria-free when using water from water treatment units.
- Clean detergent drawers, detergent compartments and siphons before use.

### Cleaning dispensing drawers and siphons

The detergent drawer is subject to constant moisture. It needs to be cleaned regularly to prevent the build-up of water-borne bacteria.

- Clean the detergent drawer, detergent compartments and siphon thoroughly with hot water as required to remove detergent residues and encrustation.

It is the supervisor's responsibility to ensure that the standard of disinfection in thermal as well as chemo thermal procedures is maintained (from the list, in accordance with § 18 German infection control legislation) by carrying out suitable validation tests. The procedures should be checked at regular intervals, thermoelectrically by means of loggers or bacteriologically using bio-indicators. The supervisor must pay particular attention to observing the process parameters temperature and, in the case of chemo-thermal programmes, the concentration. Disinfection programmes must not be interrupted, as this can have a limiting effect on the disinfection result.

### Water connection for variants with reduced heater rating (RH)

The appliance should be connected to cold and hot water supplies. A minimum hot water temperature of 80 °C is recommended in order to use all programmes. Lower temperatures may result in longer programme running times or cause programmes to be interrupted. Water inlet temperatures below 60 °C are not permitted, as they can lead to significantly longer programme running times.

### Water connection for variants with external heating (EH)

The appliance should be connected to cold and hot water supplies. A minimum hot water temperature of 80 °C is recommended. The use of disinfection programmes is not possible due to the absence of additional heating. The permissible wash temperatures are determined by the inlet temperature.

## Programme summary

---

### Disinfection



**Thermal disinfection** and **chemo-thermal disinfection** are programmes for disinfecting textiles.

Thermal or chemo-thermal disinfection is carried out. Suitable detergents are to be used for the chemo-thermal disinfection.

All programmes are **locked**. This means that after 1 minute into a programme, they can only be cancelled, stopped or parts skipped by entering the “Expert code” (see operator level).

To avoid recontamination, the water inlet for the rinse cycles in the disinfection programmes is not supplied via the detergent drawer.

To disinfect contaminated mains water, a **disinfection rinse** can be activated instead of the last rinse cycle. In this rinse, the rinse water is heated to 65 °C to deactivate water-borne bacteria. The programme running time is extended and the door can only be opened once the temperature in the machine has fallen below 50 °C.

If “Pre-wash” is selected, place the detergent directly in the drum. If necessary, the  and  compartments can be used to add detergent in the main wash cycle.



## Programme summary

Thermal disinfection 90 °C		Load ratio/Load size
<b>Fabric</b>	Cotton, linen e.g. bed linen, towelling	1:9 PWM 909 – 9 kg
<b>Programme sequence</b>	Disinfection 90 °C, holding time 10 min Cool down and/or disinfection rinse can be activated in the Miele Benchmark Programming Tool 2 rinse cycles Final spin	
<b>Extras</b>	Pre-wash, Soak, Intensive, Rinse plus, Fill stop, Rinse hold	
Ch.-thermal disin. 10 min 70 °C		1:10 PWM 909 – 8 kg
<b>Fabric</b>	Cotton, linen e.g. bed linen, towelling	
<b>Programme sequence</b>	Disinfection 70 °C*, holding time 10 min 2 rinse cycles (optional disinfection rinse can be activated) Final spin	
<b>Extras</b>	Pre-wash, Soak, Intensive, Rinse plus, Fill stop, Rinse hold	
Ch.-thermal disin. 20 min 60 °C		
<b>Fabric</b>	Cotton, linen e.g. bed linen, towelling	
<b>Programme sequence</b>	Disinfection 60 °C*, holding time 20 min 2 rinse cycles (optional disinfection rinse can be activated) Final spin	
<b>Extras</b>	Pre-wash, Soak, Intensive, Rinse plus, Fill stop, Rinse hold	

\* The disinfection parameters for chemo-thermal disinfection (temperature, temperature holding time and dispensing quantities) must be set on site to suit detergents and disinfectants.

## Programme summary

<b>Ch-th. disin. gentle 20 min      40 °C</b>		<b>Load ratio/Load size</b>
<b>Fabric</b>	Cotton, mixed fibre, curtains	1:10 PWM 909 – 8 kg
<b>Programme sequence</b>	Disinfection 40 °C*, holding time 20 min Wash rhythm “gentle” 2 rinse cycles (optional disinfection rinse can be activated) Final spin	
<b>Extras</b>	Pre-wash, Soak, Intensive, Rinse plus, Fill stop, Rinse hold	
<b>Incontinence                                      90 °C</b>		1:13 PWM 909 – 6.2 kg
<b>Fabric</b>	Washable incontinence nappy systems	
<b>Programme sequence</b>	Pre-rinse bath Pre-wash up to 40 °C Disinfection 90 °C, holding time 10 min Cool down and/or disinfection rinse can be activated in the Miele Benchmark Programming Tool 3 rinse cycles Final spin	
<b>Extras</b>	Pre-rinse, Soak, Intensive, Rinse plus, Fill stop, Rinse hold	
<b>Incontinence laundry                                      90 °C</b>		
<b>Fabric</b>	Heavily soiled personal clothing, cotton	
<b>Programme sequence</b>	2 pre-rinse baths Pre-wash up to 40 °C Disinfection 90 °C, holding time 10 min 3 rinse cycles (optional disinfection rinse can be activated) Final spin	
<b>Extras</b>	Soak, Intensive, Rinse plus, Fill stop, Rinse hold	

\* The disinfection parameters for chemo-thermal disinfection (temperature, temperature holding time and dispensing quantities) must be set on site to suit detergents and disinfectants.

### Buildings maintenance

These programmes are suitable for washing, disinfecting and finishing (at different humidity levels) cotton or mixed fibre mops, floor mats, polishing pads and cleaning cloths used in facility management.

Cleaning textiles can even come out of the machine finished and ready for use (ready to use – rtu).

To avoid recontamination, the water for the rinse cycles in the disinfection programmes is not supplied via the detergent drawer.


With the **Mops . . . + ready to use (rtu)** programme, the mops are ready to use and already impregnated with cleaning agent or detergent and disinfectant. To achieve this, following washing or disinfection there is a finishing stage and then a final spin. The desired humidity level of the mops can vary by setting the residual moisture via the extra “ $\delta - \delta\delta\delta\delta$ ” (moist, damp, wet, dripping wet).

The dispensing quantities must be set on site and the standard of disinfection must be checked.


## Programme summary

### Mop



- To prevent coarse soiling in the machine, shake out the mops before putting them in.

Standard mops		60 °C (Cold to 90 °C)	Load ratio/Load size
<b>Fabric</b>	Cotton, viscose, polyester and microfibre mops		<p>1:9 PWM 909 – 9 kg</p> <p>For number, see “Mops load size” chart</p>
<b>Programme sequence</b>	Pre-spin Pre-rinse bath 2nd pre-rinse bath can be activated via extra  “Pre-rinse” Main wash up to 90 °C, wash time 6 min Cool down can be activated in the Miele Benchmark Programming Tool 2 rinse cycles Final spin		
<b>Extras</b>	Pre-rinse, Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		
Standard mops + rtu		60 °C (Cold to 90 °C)	
<b>Fabric</b>	Cotton, viscose, polyester and microfibre mops		
<b>Programme sequence</b>	Same programme sequence as Mops standard, then set the residual moisture via the extra “δ – ∆∆∆” (moist, damp, wet, dripping wet) The pre-set residual moisture is 2 drops (damp)		
<b>Extras</b>	Pre-rinse, Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		

## Programme summary

<b>Mops thermal disinfection 90 °C</b>		<b>Load ratio/Load size</b>
<b>Fabric</b>	Cotton, viscose, polyester and microfibre mops	<p>1:9 PWM 909 – 9 kg For number, see “Mops load size” chart</p>
<b>Programme sequence</b>	Pre-spin Pre-rinse bath 2nd pre-rinse bath can be activated via extra  “Pre-rinse” Disinfection 90 °C, holding time 10 min Cool down and/or disinfection rinse can be activated in the Benchmark Tool 3 rinse cycles Final spin	
<b>Extras</b>	Pre-rinse, Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold	
<b>Mops thermal disinf + rtu 90 °C</b>		
<b>Fabric</b>	Cotton, viscose, polyester and microfibre mops	
<b>Programme sequence</b>	Same programme sequence as Mops thermal disinfection, then set the residual moisture via the extra “δ – δδδδ” (moist, damp, wet, dripping wet) The pre-set residual moisture is 2 drops (damp)	
<b>Extras</b>	Pre-rinse, Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold	

## Programme summary

<b>Mops ch-th disinf 10 min      70 °C</b>		<b>Load ratio/Load size</b>
<b>Fabric</b>	Cotton, viscose, polyester and microfibre mops	
<b>Programme sequence</b>	Pre-spin Pre-rinse bath 2nd pre-rinse bath can be activated via extra  "Pre-rinse" Disinfection* 70 °C, holding time 10 min 3 rinse cycles (optional disinfection rinse can be activated) Final spin	
<b>Extras</b>	Pre-rinse, Soak, Intensive, Rinse plus, Fill stop, Rinse hold	
<b>Mops ch-th disinf 20 min      60 °C</b>		1:10 PWM 909 – 8 kg
<b>Fabric</b>	Cotton, viscose, polyester and microfibre mops	
<b>Programme sequence</b>	Pre-spin Pre-rinse bath 2nd pre-rinse bath can be activated via extra  "Pre-rinse" Disinfection* 60 °C, holding time 20 min 3 rinse cycles (optional disinfection rinse can be activated) Final spin	
<b>Extras</b>	Pre-rinse, Soak, Intensive, Rinse plus, Fill stop, Rinse hold	
<b>Mops ch-th dis 10 min+rtu      70 °C</b>		
<b>Fabric</b>	Cotton, viscose, polyester and microfibre mops	
<b>Programme sequence</b>	Programme sequence as for Mops chemo-thermal disinfection*, then set the residual moisture via the extra "δ – δδδδ" (moist, damp, wet, dripping wet) The pre-set residual moisture is 2 drops (damp)	
<b>Extras</b>	Pre-rinse, Soak, Intensive, Rinse plus, Fill stop, Rinse hold	

\* The disinfection parameters for chemo-thermal disinfection (temperature, temperature holding time and dispensing quantities) must be set on site to suit detergents and disinfectants.

## Programme summary

<b>Mops ch-th dis 20min+rtu      60 °C</b>		<b>Load ratio/Load size</b>
<b>Fabric</b>	Cotton, viscose, polyester and microfibre mops	1:10 PWM 909 – 8 kg
<b>Programme se- quence</b>	Programme sequence as for Mops chemo-thermal disinfection*, then set the residual moisture via the extra “δ – ∆∆∆” (moist, damp, wet, dripping wet) The pre-set residual moisture is 2 drops (damp)	
<b>Extras</b>	Pre-rinse, Soak, Intensive, Rinse plus, Add agent, Rinse hold	
<b>Mops rtu</b>		
<b>Fabric</b>	Cotton, viscose, polyester and microfibre mops	1:9 PWM 909 – 9 kg For number, see “Mops load size” chart
<b>Programme se- quence</b>	1 rinse cycle then set the residual moisture via the extra “δ – ∆∆∆” (moist, damp, wet, dripping wet) The pre-set residual moisture is 2 drops (damp)	
<b>Extras</b>	Fill stop, Rinse hold	
<b>New mops      60 °C (Cold to 90 °C)</b>		
<b>Fabric</b>	For washing new mops	
<b>Programme se- quence</b>	Main wash up to 90 °C, wash time 4 min Cool down can be activated in the Miele Benchmark Programming Tool 2 rinse cycles Final spin	
<b>Extras</b>	Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold	

\* The disinfection parameters for chemo-thermal disinfection (temperature, temperature holding time and dispensing quantities) must be set on site to suit detergents and disinfectants.

## Programme summary

The **Mops rtu** programme is suitable for the subsequent finishing of clean and dry mops. A disinfecting agent is applied during finishing. The dispensing quantities must be set on site and the standard of disinfection must be checked.

### Mop load size (cotton) applies to the load ratio 1:9

Mop size/ weight	40 cm 190 g/ mop	50 cm 220 g/ mop	60 cm 280 g/ mop	80 cm 360 g/ mop	110 cm 510 g/ mop	130 cm 610 g/ mop	160 cm 720 g/ mop
<b>PWM 909</b>	47	41	32	25	18	15	13

**Tip:** When using microfibre mops, the load size is higher due to the lower mop weight.


### Mop load size (microfibre) applies to the load ratio 1:9

Mop size/weight	40 cm 120 g/mop	50 cm 170 g/mop
<b>PWM 909</b>	75	53

A reduced number may apply to particularly high-volume, light-weight mops.



### Mats/Pads programmes

Mats		40 °C (Cold to 60 °C)	Load ratio/Load size
<b>Fabric</b>	Door mats		1:15 PWM 909 – max. 5.4 kg
<b>Programme sequence</b>	Pre-rinse Main wash up to 60 °C, wash time 8 min 3 rinsing baths Final spin		
<b>Extras</b>	Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		
Heavily soiled mats		60 °C (Cold to 60 °C)	
<b>Fabric</b>	Heavily soiled door mats		
<b>Programme sequence</b>	Pre-rinse Pre-wash up to 40 °C Main wash up to 60 °C, wash time 12 min 3 rinsing baths Final spin		
<b>Extras</b>	Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		
Pads		40 °C (Cold to 60 °C)	
<b>Fabric</b>	Polishing pads		1:50 PWM 909 – 1.6 kg
<b>Programme sequence</b>	Pre-rinse bath 2nd pre-rinse bath can be activated via extra  “Pre-rinse” Main wash up to 60 °C, wash time 10 min 3 rinse cycles Final spin		
<b>Extras</b>	Pre-rinse, Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		

**Tip:** The mats load size may vary depending on the size, stiffness and thickness of the mats.

## Programme summary

### Cleaning cloth programmes

These programmes are suitable for washing, disinfecting and finishing (at different humidity levels) cleaning cloths made of cotton, mixed fibre or microfibre fabric used in facility management.

<b>Standard cloths</b>		<b>60 °C (Cold to 90 °C)</b>	<b>Load ratio/Load size</b>
<b>Fabric</b>	Cotton, viscose, polyester and microfibre cleaning cloths		1:18 PWM 909 – 4.6 kg  For number, see “Cleaning cloths load size” chart
<b>Programme sequence</b>	Pre-rinse Pre-wash up to 30 °C Main wash up to 90 °C, wash time 6 min 3 rinsing baths Final spin		
<b>Extras</b>	Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		
<b>Standard cloths + rtu</b>		<b>60 °C (Cold to 90 °C)</b>	
<b>Fabric</b>	Cotton, viscose, polyester and microfibre cleaning cloths		
<b>Programme sequence</b>	Same programme sequence as Cloths standard then set the residual moisture via the extra “δ – δδδδ” (moist, damp, wet, dripping wet) The pre-set residual moisture is 2 drops (damp)		
<b>Extras</b>	Pre-wash, Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		

## Programme summary

<b>Cloths therm. disinfection 90 °C</b>		<b>Load ratio/Load size</b>
<b>Fabric</b>	Cotton, viscose, polyester and microfibre cleaning cloths	<p>1:18                      PWM 909 –                      4.6 kg                      For number,                      see                      “Cleaning cloths                      load size” chart</p>
<b>Programme sequence</b>	Pre-rinse Pre-wash up to 30 °C Disinfection 90 °C, holding time 10 min Cool down and/or disinfection rinse can be activated in the Miele Benchmark Programming Tool 3 rinsing baths Final spin	
<b>Extras</b>	Soak, Intensive, Rinse plus, Fill stop, Rinse hold	
<b>Cloths therm. disinf + rtu 90 °C</b>		
<b>Fabric</b>	Cotton, viscose, polyester and microfibre cleaning cloths	
<b>Programme sequence</b>	Same programme sequence as Cloths thermal disinfection then set the residual moisture via the extra “δ – ∆∆∆∆” (moist, damp, wet, dripping wet) The pre-set residual moisture is 2 drops (damp)	
<b>Extras</b>	Pre-wash, Soak, Intensive, Rinse plus, Fill stop, Rinse hold	
<b>Cloths ch-th disinf 10 min 70 °C</b>		
<b>Fabric</b>	Cotton, viscose, polyester and microfibre cleaning cloths	
<b>Programme sequence</b>	Pre-rinse Pre-wash up to 30 °C Disinfection 70 °C, holding time 10 min 3 rinsing baths (optional disinfection rinse can be activated) Final spin	
<b>Extras</b>	Soak, Intensive, Rinse plus, Fill stop, Rinse hold	

## Programme summary

<b>Cloths ch-th disinf 20 min 60 °C</b>		<b>Load ratio/Load size</b>
<b>Fabric</b>	Cotton, viscose, polyester and microfibre cleaning cloths	<p>1:18 PWM 909 – 4.6 kg For number, see “Cleaning cloths load size” chart</p>
<b>Programme sequence</b>	Pre-rinse Pre-wash up to 30 °C Disinfection 60 °C, holding time 20 min 3 rinsing baths (optional disinfection rinse can be activated) Final spin	
<b>Extras</b>	Soak, Intensive, Rinse plus, Add agent, Rinse hold	
<b>Cloths ch-th dis 10min+rtu 70 °C</b>		
<b>Fabric</b>	Cotton, viscose, polyester and microfibre cleaning cloths	
<b>Programme sequence</b>	Programme sequence as for Cloths chemo-thermal disinfection, then set the residual moisture via the extra “δ – ∆∆∆” (moist, damp, wet, dripping wet) The pre-set residual moisture is 2 drops (damp)	
<b>Extras</b>	Pre-wash, Soak, Intensive, Rinse plus, Fill stop, Rinse hold	
<b>Cloths ch-th dis 20min+rtu 60 °C</b>		
<b>Fabric</b>	Cotton, viscose, polyester and microfibre cleaning cloths	
<b>Programme sequence</b>	Programme sequence as for Cloths chemo-thermal disinfection, then set the residual moisture via the extra “δ – ∆∆∆” (moist, damp, wet, dripping wet) The pre-set residual moisture is 2 drops (damp)	
<b>Extras</b>	Pre-wash, Soak, Intensive, Rinse plus, Fill stop, Rinse hold	

## Programme summary

Cloths rtu		Load ratio/Load size
<b>Fabric</b>	Cotton, viscose, polyester and microfibre cleaning cloths	1:18 PWM 909 – 4.6 kg For number, see “Cleaning cloths load size” chart
<b>Programme sequence</b>	1 rinse cycle then set the residual moisture via the extra “δ – ∆∆∆” (moist, damp, wet, dripping wet) The pre-set residual moisture is 2 drops (damp)	
<b>Extras</b>	Fill stop, Rinse hold	

Cleaning cloths load size applies to the load ratio 1:18

Cleaning cloths size/weight	16 g/cloth	22 g/cloth	43 g/cloth
<b>PWM 909</b>	290	210	105

The **Standard cloths** programme is also suitable for cleaning cloths that are not to be used immediately after washing, but are to be stored after drying.

With the **Cloths . . . + rtu** programmes, the cloths are ready to use and already impregnated with detergent and disinfectant. To achieve this, following washing or disinfection there is a finishing stage and then a final spin. The desired humidity level of the cleaning cloths can vary by setting the residual moisture via the extra “δ – ∆∆∆” (moist, damp, wet, dripping wet). The dispensing quantities must be set on site and the standard of disinfection must be checked.

The **Cloths rtu** programme is suitable for the subsequent finishing of clean and dry cleaning cloths. A disinfecting agent is applied during finishing. The dispensing quantities must be set on site and the standard of disinfection must be checked.

## Programme summary

### Fire brigade programme overview

These programmes are suitable for washing and proofing Nomex fire-fighting apparel, jackets and trousers, breathing masks and chemical protective suits.

### Protective clothing programmes

Protective clothing		60 °C (Cold to 60 °C)	Load ratio/Load size
<b>Fabric</b>	Nomex fire-fighting apparel, jackets, trousers		See "Protective clothing load size" chart
<b>Programme sequence</b>	Pre-cleaning up to 40 °C Main wash up to 60 °C, wash time 6 min 3 rinse cycles, Final spin		
<b>Extras</b>	Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		
Protective cloth. + proof		60 °C (Cold to 60 °C)	
<b>Fabric</b>	Nomex fire-fighting apparel, jackets, trousers		
<b>Programme sequence</b>	Pre-cleaning up to 40 °C Main wash up to 60 °C, wash time 6 min 2 rinse cycles Proofing bath 40 °C Final spin		
<b>Extras</b>	Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		
Proof protect. clothing		40 °C	
<b>Fabric</b>	Nomex fire-fighting apparel, jackets, trousers		
<b>Programme sequence</b>	1 rinsing bath Reproofing bath 40 °C Final spin		
<b>Extras</b>	Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		

### Protective clothing load size

Model	Quantity
PWM 909	Approx. 1 suit (or 2 jackets)

### Preparing Protective clothing for washing

- Do not staple labels to the items.
- Remove carabiner hooks if possible, or enclose them in a side pocket.
- Close Velcro fasteners or cover them with Velcro tape.
- Wash sheepskin linings separately.
- Do not wash garments inside out.
- Observe the load sizes.

**Protective clothing** is a programme for washing fire-fighting apparel. It is not suitable for washing garments containing wool as lining material.

**Tip: Detergent:** We recommend using a liquid detergent with reduced pH that is particularly effective for dissolving grease and pigmentation stains.

The proofing agent must be suited to the special requirements of this area of use.

## Programme summary

### Masks programmes

**Masks** are programmes for washing and disinfecting breathing masks with head straps.

- Put the head bands over the masks to protect the visors before loading the machine.
- Put each mask into its own protective bag and fasten it.

The protective bags are available to order from the Miele Customer Service Department.

- Remove the masks from the bags after reprocessing.
- Spin damp, empty protective bags using the **Spin bags** programme.

<b>Masks</b>		<b>60 °C</b>	<b>Load ratio/Load size</b>
<b>Load</b>	Breathing masks with head straps		
<b>Programme sequence</b>	Disinfection* 60 °C, holding time 20 min 4 rinse cycles (optional disinfection rinse can be activated)		
<b>Extras</b>	Soak, Intensive, Rinse plus, Fill stop, Rinse hold		
<b>Masks with pre-wash</b>		<b>60 °C</b>	PWM 909 – 4 masks
<b>Load</b>	For heavily soiled breathing masks with head straps		
<b>Programme sequence</b>	Pre-cleaning 30 °C Disinfection* 60 °C, holding time 20 min 4 rinse cycles (optional disinfection rinse can be activated)		
<b>Extras</b>	Soak, Intensive, Rinse plus, Fill stop, Rinse hold		
<b>Spin wash bags</b>			
<b>Load</b>	Mask bags		1:20
<b>Programme sequence</b>	Spin		

\* The disinfection parameters for chemo-thermal disinfection (temperature, temperature holding time and dispensing quantities) must be set on site to suit detergents and disinfectants.

To avoid recontamination, the water inlet for the rinse cycles in the disinfection programmes is not supplied via the detergent drawer.

Do not wash masks with connections for helmet-mask combinations.  
The clasps are likely to scratch visors.

Use a suitable detergent. Observe the manufacturer's instructions.



### Rescue clothing programmes

<b>Helmets*</b>		<b>60 °C (Cold to 60 °C)</b>	<b>Load ratio/load size</b>
<b>Fabric</b>	Firefighter helmets		PWM 909 – 3 helmets
<b>Programme sequence</b>	Pre-wash up to 40 °C Main wash up to 60 °C, wash time 16 min 3 rinse cycles		
<b>Extras</b>	Soak, Rinse plus		

\* The safety helmet manufacturer must allow the helmet to be washed or dried by machine.

Before loading the machine, push the sliding visor, if applicable, into the safety helmet. Place one helmet in each of the padded protective bags provided and close them.

The protective bags are available to order from the Miele Customer Service Department.

Remove easily removable attachments from the helmet and wash in a separate washing net.

<b>Gloves</b>		<b>40 °C (Cold to 40 °C)</b>	<b>Load ratio/load size</b>
<b>Fabric</b>	Gloves with and without leather trim		PWM 909 – 17 gloves
<b>Programme sequence</b>	Main wash up to 40 °C, wash time 9 min 3 rinse cycles Final spin Leather care 40 °C Final spin		
<b>Extras</b>	Soak, Water plus, Rinse plus		

After washing, air-dry the gloves with and without leather trim. Before drying, roll the leather gloves or gloves with leather trim through your hands to maintain the elasticity of the leather.

<b>Belts*</b>		<b>40 °C (Cold to 40 °C)</b>	<b>Load ratio/load size</b>
<b>Fabric</b>	Fire brigade belts also with aluminium components and leather trim		PWM 909 – 6 belts
<b>Programme sequence</b>	Main wash up to 40 °C, wash time 8 min 3 rinse cycles Final spin		
<b>Extras</b>	Pre-wash, Rinse plus		

\* The belt manufacturer must allow the belt to be washed by machine.

If there are aluminium attachments on the belts, we recommend using a liquid delicates detergent with reduced pH value which is particularly effective for dissolving pigmentation stains.

Place 2–3 belts (safety belts) in each of the padded protective bags provided and close them.

## Programme summary

The protective bags are available to order from the Miele Customer Service Department.

After washing, air-dry the belts. Before drying, roll the leather components through your hands and, if necessary, treat them with a suitable leather refatting agent to maintain the elasticity of the leather.

Emergency services clothing is a programme for disinfecting. It is not suitable for washing garments containing wool as lining material.

Do not wash garments inside out.

<b>Disin. rescue clothing*</b>		<b>60 °C</b>	<b>Load ratio/load size</b>
<b>Fabric</b>	Nomex and cottons		See “Emergency services clothing load size” chart
<b>Programme sequence</b>	Pre-wash up to 40 °C Disinfection* 60 °C, holding time 20 min 2 rinse cycles Final spin		
<b>Extras</b>	Soak, Rinse plus		
<b>Dis./proof rescue cloth.* / **</b>		<b>60 °C</b>	
<b>Fabric</b>	Nomex and cottons		
<b>Programme sequence</b>	Pre-wash up to 40 °C Disinfection* 60 °C, holding time 20 min 2 rinse cycles Proofing bath** 40 °C Final spin		
<b>Extras</b>	Soak, Rinse plus		

\* The disinfection parameters for chemo-thermal disinfection (temperature, temperature holding time and dispensing quantities) must be set on site to suit detergents and disinfectants.

\*\* The proofing agent must be suited to the special requirements of this area of use.

### Emergency services clothing load size

<b>Model</b>	<b>Quantity</b>
PWM 909	Approx. 3 suits

### WetCare

WetCare “wet cleaning” is a very gentle cleaning process using water and special care products for clothing that could previously only be cleaned chemically.

<b>WetCare sensitive</b>		<b>25 °C (Cold to 30 °C)</b>	<b>Load ratio/Load size</b>
<b>Fabric</b>	Non-washable outerwear		1:15 PWM 909 – 5.4 kg
<b>Programme sequence</b>	Main wash up to 30 °C, wash time 2 min Waterproof finish 25 °C Final spin		
<b>Extras</b>	Pre-wash, Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		
<b>WetCare silks</b>		<b>30 °C (Cold to 30 °C)</b>	
<b>Fabric</b>	For non-washable outerwear which creases easily		1:20 PWM 909 – 4 kg
<b>Programme sequence</b>	Main wash up to 30 °C, wash time 6 min Waterproof finish 25 °C Final spin		
<b>Extras</b>	Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		
<b>WetCare intensive</b>		<b>40 °C (Cold to 40 °C)</b>	
<b>Fabric</b>	Washable outerwear		1:15 PWM 909 – 5.4 kg
<b>Programme sequence</b>	Main wash up to 40 °C, wash time 6 min Rinse cycle Waterproof finish 25 °C Final spin		
<b>Extras</b>	Pre-wash, Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		

In the textile cleaning programmes, no hot water valves are activated. The incoming water must not exceed a temperature of 30 °C.



## Programme summary

### Outerwear programme overview

Outerwear		40 °C (Cold to 40 °C)	Load ratio/Load size
<b>Fabric</b>	Polyamide and membrane items		1:15 PWM 909 – 5.4 kg
<b>Programme sequence</b>	Main wash up to 40 °C, wash time 6 min 2 rinse cycles Final spin		
<b>Extras</b>	Pre-wash, Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		
<b>Wash/proofing</b>		<b>40 °C</b>	
<b>Fabric</b>	Polyamide and membrane items		
<b>Programme sequence</b>	Main wash up to 40 °C, wash time 6 min 2 rinse cycles Proofing up to 40 °C Final spin		
<b>Extras</b>	Pre-wash, Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		
<b>Rinse/proofing</b>		<b>40 °C</b>	
<b>Fabric</b>	Polyamide and membrane items		
<b>Programme sequence</b>	2 rinse cycles Proofing 40 °C Final spin		
<b>Extras</b>	Rinse plus, Fill stop, Rinse hold		
<b>Down jackets</b>		<b>40 °C (Cold to 60 °C)</b>	1:25 PWM 909 – 3.2 kg
<b>Fabric</b>	Down-filled items		
<b>Programme sequence</b>	Main wash up to 60 °C, wash time 7 min 2 rinse cycles Final spin		
<b>Extras</b>	Pre-rinse, Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		

### Equestrian

This programme is suitable for washing and proofing horse blankets, saddle cloths, gaiters, hoof boots, bandages, textile halters.

Horse blankets	60 °C (Cold to 60 °C)	Load ratio/Load size
<b>Fabric</b>	Horse blankets, saddle cloths, gaiters, hoof boots, bandages, textile halters	1:13 See "Horse blankets load size" chart
<b>Programme sequence</b>	Pre-rinse 2nd pre-rinse can be activated via extra  "Pre-rinse" Pre-wash up to 40 °C Main wash up to 60 °C, wash time 6 min 3 rinse cycles Final spin	
<b>Extras</b>	Pre-rinse, Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold	
Woollen horse blankets	30 °C (Cold to 40 °C)	
<b>Fabric</b>	Horse blankets containing wool	
<b>Programme sequence</b>	Pre-rinse Pre-wash up to 30 °C Main wash up to 40 °C, wash time 8 min Wash rhythm "Gentle+" 2 rinse cycles Final spin	
<b>Extras</b>	Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold	
Horse blank. + proofing	60 °C (Cold to 60 °C)	
<b>Fabric</b>	Horse blankets, saddle cloths, gaiters, hoof boots, bandages, textile halters	
<b>Programme sequence</b>	Pre-rinse 2nd pre-rinse can be activated via extra  "Pre-rinse" Pre-wash up to 30 °C Main wash up to 60 °C, wash time 6 min 2 rinse cycles Proofing 30 °C Final spin	
<b>Extras</b>	Pre-rinse, Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold	

### Pre-treatment

Remove coarse soiling from very heavily soiled blankets with a strong water jet or a vacuum cleaner.

## Programme summary

---

### Detergent

For washing, a detergent without bleaching agent and optical brighteners should be used. For woollen blankets, products with slightly reduced pH should be used. It is also possible to add enzyme-containing products.

It needs to be ensured that no proteases are used as these enzymes attack and damage the wool.

### Horse blankets load size

Model	Load, maximum $\frac{3}{4}$ of the total recommended load		
	Saddle cloths	Summer blankets	Winter blankets
PWM 909	4	1	-

### Buckles

Metal buckles, hooks and eye fasteners must be covered to protect the drum.  
Special bags for this purpose are available to order from Miele.

**Sport**

<b>Sportswear</b>		<b>40 °C (Cold to 60 °C)</b>	<b>Load ratio/Load size</b>
<b>Fabric</b>	Polyester or polyamide with and without spandex		1:20 PWM 909 – 4 kg
<b>Programme sequence</b>	Main wash up to 60 °C, wash time 6 min 3 rinse cycles Final spin		
<b>Extras</b>	Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		
<b>Sport Microfibre</b>		<b>40 °C (Cold to 60 °C)</b>	
<b>Fabric</b>	Polyester, polyamide		
<b>Programme sequence</b>	Main wash up to 60 °C, wash time 6 min 2 rinse cycles Final spin		
<b>Extras</b>	Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		
<b>Trainers</b>		<b>40 °C (Cold to 60 °C)</b>	
<b>Fabric</b>	Washable trainers (no leather shoes), shin pads, elbow protectors and similar items		
<b>Programme sequence</b>	Main cleaning up to 60 °C, wash time 6 min 2 rinse cycles Final spin		
<b>Extras</b>	Pre-rinse, Pre-wash, Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		

## Programme summary

### Workwear

<b>Oil/fat</b>	<b>60 °C (Cold to 90 °C)</b>	<b>Load ratio/Load size</b>
<b>Fabric</b>	Cotton or mixed fibre workwear, table cloths or cleaning cloths soiled with oil or grease	1:10 PWM 909 – 8 kg
<b>Programme sequence</b>	Pre-wash up to 40 °C Main wash up to 90 °C, wash time 10 min 3 rinse cycles Final spin	
<b>Extras</b>	Pre-rinse, Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold	
<b>Dust/flour</b>	<b>60 °C (Cold to 90 °C)</b>	
<b>Fabric</b>	Cotton or mixed fibre workwear, table cloths or cleaning cloths soiled with dust or flour	
<b>Programme sequence</b>	Pre-wash up to 40 °C Main wash up to 90 °C, wash time 10 min 2 rinse cycles Final spin	
<b>Extras</b>	Pre-rinse, Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold	



### Sluice programme overview (Healthcare HTM 01-04)

The sluice programmes are for extremely heavily soiled personal clothing, as well as heavily soiled towelling and bed linen.

Disinfection according to provisions of British National Health Service (GB). There are two different disinfection options: 65 °C for 10 min or 71 °C for 3 min.

<b>Sluice low*</b>		<b>65 °C</b>	<b>Load ratio/Load size</b>
<b>Fabric</b>	Heavily soiled personal clothing, towelling and bed linen		
<b>Programme sequence</b>	2 pre-rinse cycles Pre-wash 60 °C, 5 min Disinfection 65 °C, holding time 10 min 3 rinse cycles Final spin		
<b>Extras</b>	Soak, Intensive, Rinse plus, Fill stop, Rinse hold		
<b>Sluice high*</b>		<b>71 °C</b>	1:15 PWM 909 – 5.4 kg
<b>Fabric</b>	Heavily soiled personal clothing, towelling and bed linen		
<b>Programme sequence</b>	2 pre-rinse cycles Pre-wash 60 °C, 5 min Disinfection 71 °C, holding time 3 min 3 rinse cycles Final spin		
<b>Extras</b>	Soak, Intensive, Rinse plus, Fill stop, Rinse hold		

\* Only included in the DV (drain valve) model

## Programme summary

### Programme sequence Sluice

Sluice low 65 °C					
Programme stage	Load-to-liquor ratio *	Thermostop	Temperature	Temperature holding time (wash time 2)	Programmed wash time approx.
Pre-rinse 1	1:7	No	Cold	-	5 min
Pre-rinse 2	1:7	No	Cold	-	4 min
Pre-wash	1:7	Yes	60 °C	5 min	-
1-minute spin at 500 rpm					
Disinfection	1:5	Yes	65 °C	10 min	- **
2-minute spin at 800 rpm					
Rinse 1	1:5	No	Cold	-	5 min
1-minute spin at 800 rpm					5 min
Rinse 2	1:5	No	Cold	-	5 min
1-minute spin at max. speed					
Rinse 3	1:4	No	Cold	-	5 min
5-minute spin at max. speed					
Sluice 71 °C					
Pre-rinse 1	1:7	No	Cold	-	5 min
Pre-rinse 2	1:7	No	Cold	-	4 min
Pre-wash	1:7	Yes	60 °C	5 min	-
1-minute spin at 500 rpm					
Disinfection	1:5	Yes	71 °C	3 min	- **
2-minute spin at 800 rpm					
Rinse 1	1:5	No	Cold	-	5 min
1-minute spin at 800 rpm					5 min
Rinse 2	1:5	No	Cold	-	5 min
1-minute spin at max. speed					
Rinse 3	1:4	No	Cold	-	5 min
5-minute spin at max. speed					

\* Depending on load and fabric type

\*\* Depending on type of heating and, with hot water connection, the hot water temperature

### Programme overview: Eco programmes

The Eco programmes are optional programmes that can be downloaded online.

<b>Colours Eco</b>		<b>40 °C (Cold to 40 °C)</b>	<b>Load ratio/load size</b>
<b>Fabric</b>	Lightly soiled cotton, linen and mixed fibre fabrics, e.g. bed linen and towelling		1:9 PWM 909 – 9 kg
<b>Programme sequence</b>	Main wash up to 40 °C, wash time 11 min 2 rinse cycles Last rinse cycle cold Final spin		
<b>Extras</b>	Pre-wash, Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		
<b>Colours Eco intensive</b>		<b>40 °C (Cold to 40 °C)</b>	<b>Load ratio/load size</b>
<b>Fabric</b>	Normally soiled cotton, linen and mixed fibre fabrics, e.g. bed linen and towelling		1:9 PWM 909 – 9 kg
<b>Programme sequence</b>	Main wash up to 40 °C, wash time 26 min 2 rinse cycles Last rinse cycle cold Final spin		
<b>Extras</b>	Pre-wash, Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		

## Programme summary

<b>Minimum iron Eco</b>		<b>30 °C (Cold to 30 °C)</b>	<b>Load ratio/load size</b>
<b>Fabric</b>	Lightly soiled synthetic and mixed fibre fabrics		1:20 PWM 909 – 4 kg
<b>Programme sequence</b>	Main wash up to 30 °C, wash time 7 min 2 rinse cycles Final spin		
<b>Extras</b>	Pre-wash, Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		
<b>Minimum iron Eco intensive</b>		<b>30 °C (Cold to 30 °C)</b>	<b>Load ratio/load size</b>
<b>Fabric</b>	Lightly soiled synthetic and mixed fibre fabrics		1:20 PWM 909 – 4 kg
<b>Programme sequence</b>	Main wash up to 30 °C, wash time 22 min 2 rinse cycles Final spin		
<b>Extras</b>	Pre-wash, Soak, Water plus, Intensive, Rinse plus, Fill stop, Rinse hold		



## United Kingdom

Miele Co. Ltd., Fairacres, Marcham Road  
Abingdon, Oxon, OX14 1TW  
Professional Sales, Tel: 0845 365 6608  
E-mail: professional@miele.co.uk  
Internet: www.miele.co.uk/professional

## Australia

Miele Australia Pty. Ltd.  
ACN 005 635 398, ABN 96 005 635 398  
Level 4, 141 Camberwell Road, Hawthorn East, VIC 3123  
Tel: 1300 731 411  
Internet: www.miele.com.au/professional  
E-mail: professional.sales@miele.com.au

## China Mainland

Miele Electrical Appliances Co., Ltd.  
1-3 Floor, No. 82 Shi Men Yi Road  
Jing' an District, 200040 Shanghai, PRC  
Tel: +86 21 6157 3500, Fax: +86 21 6157 3511  
E-mail: info@miele.cn, Internet: www.miele.cn

## Hong Kong, China

Miele (Hong Kong) Ltd.  
41/F - 4101, Manhattan Place  
23 Wang Tai Road, Kowloon Bay, Hong Kong  
Tel: (852) 2610 1025, Fax: (852) 3579 1404  
Email: customerservices@miele.com.hk  
Website: www.miele.hk

## India

Miele India Pvt. Ltd.  
1st Floor, Copia Corporate Suites,  
Commercial Plot 9, Mathura Road, Jasola,  
New Delhi - 110025  
E-mail: customercare@miele.in, Website: www.miele.in

## Ireland

Miele Ireland Ltd.  
2024 Bianconi Ave., Citywest Business Campus,  
Dublin 24  
Tel: (01) 461 07 10, Fax: (01) 461 07 97  
E-Mail: info@miele.ie, Internet: www.miele.ie

## Malaysia

Miele Sdn Bhd  
Suite 12-2, Level 12  
Menara Sapura Kencana Petroleum  
Solaris Dutamas No. 1, Jalan Dutamas 1  
50480 Kuala Lumpur, Malaysia  
Phone: +603-6209-0288  
Fax: +603-6205-3768

## New Zealand

Miele New Zealand Limited  
IRD 98 463 631  
8 College Hill  
Freemans Bay, Auckland 1011, NZ  
Tel: 0800 464 353  
Internet: www.miele.com.au/professional  
E-mail: professional.sales@miele.com.au

## Singapore

Miele Pte. Ltd.  
29 Media Circle, #11-04 ALICE@Mediapolis  
Singapore 138565  
Tel: +65 6735 1191, Fax: +65 6735 1161  
E-Mail: info@miele.com.sg  
Internet: www.miele.sg

## South Africa

Miele (Pty) Ltd  
63 Peter Place, Bryanston 2194  
P.O. Box 69434, Bryanston 2021  
Tel: (011) 875 9000, Fax: (011) 875 9035  
E-mail: info@miele.co.za  
Internet: www.miele.co.za

## United Arab Emirates

Miele Appliances Ltd.  
Showroom 1, Eiffel 1 Building  
Sheikh Zayed Road, Umm Al Sheif  
P.O. Box 114782 - Dubai  
Tel. +971 4 3044 999, Fax. +971 4 3418 852  
800-MIELE (64353)  
E-Mail: info@miele.ae  
Website: www.miele.ae



Manufacturer: Miele & Cie. KG, Carl-Miele-Straße 29, 33332 Gütersloh, Germany