

Miele



Operating and installation instructions Commercial tumble dryers PDR 514/518/522/528/544

To avoid the risk of accidents or damage to the machine, it is **essential** to read these instructions before it is installed and used for the first time.

en-GB

M.-Nr. 11 865 060

Caring for the environment

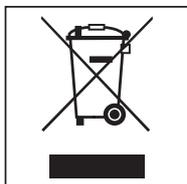
Disposal of the packing material

The packaging is designed to protect the appliance from damage during transportation. The packaging materials used are selected from materials which are environmentally friendly for disposal and should be recycled.

Recycling the packaging reduces the use of raw materials in the manufacturing process and also reduces the amount of waste in landfill sites.

Disposing of your old machine

Old electrical and electronic appliances often contain valuable materials. However, they also contain harmful substances which were essential for their correct functioning and safety. These could be hazardous to human health and to the environment if disposed of with household waste or if handled incorrectly. Please do not, therefore, dispose of your old machine with household waste.



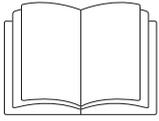
Please dispose of it at your local community waste collection/recycling centre for electrical and electronic appliances. Consult your dealer if necessary.

Please ensure that your old machine poses no risk to children while being stored for disposal.

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- ▶ It is essential to read these instructions.

This tumble dryer complies with all current local and national safety requirements. However, inappropriate use can lead to personal injury and damage to property.

Read the operating instructions carefully before using the tumble dryer. They contain important information on safety, installation, use and maintenance. This prevents both personal injury and damage to the tumble dryer.

In accordance with standard IEC 60335-1, Miele expressly and strongly advises that you read and follow the instructions in the chapter on installing the tumble dryer as well as the safety instructions and warnings.

Miele cannot be held liable for damage caused by non-compliance with these instructions.

Keep these operating instructions in a safe place and pass them on to any future owner.

When instructing other people how to use the tumble dryer, they must be made aware of these safety and warning instructions.

Appropriate use

- ▶ The tumble dryer is intended for installation in a commercial environment.
- ▶ This tumble dryer is only intended for drying fabrics which have been washed in a water solution, and marked on the manufacturer's care label as being suitable for tumble drying. "Dry cleaning kits" for freshening up garments in a tumble dryer are increasingly available on the market. If using, do so at your own risk, and follow the instructions provided on the packaging. Any other applications may be dangerous. Miele cannot be held liable for damage resulting from incorrect or improper use or operation.
- ▶ The tumble dryer is not intended for outdoor use.
- ▶ Do not install the tumble dryer in a room where there is a risk of frost. At temperatures around freezing point, the tumble dryer may not be able to operate properly. The permitted room temperature is between 2 °C and 40 °C.
- ▶ If the machine is used in a commercial environment it may only be operated by instructed/trained personnel. If the machine is used in a publicly accessible area, the supervisor must ensure that it can be operated safely without risk of danger.
- ▶ This appliance can only be used by people with reduced physical, sensory or mental capabilities, or lack of experience or knowledge, if they are supervised whilst using it or have been shown how to use it in a safe way and understand and recognise the consequences of incorrect operation.
- ▶ Children under 8 years of age must be kept away from the tumble dryer unless they are constantly supervised.
- ▶ Children 8 years and older may only use the tumble dryer unsupervised if they have been shown how to use it safely and recognise and understand the consequences of incorrect operation.
- ▶ Children must not be allowed to clean or maintain the tumble dryer unsupervised.
- ▶ Please supervise children in the vicinity of the tumble dryer and do not let them play with it.
- ▶ This tumble dryer may also be operated in public areas.
- ▶ Any uses other than those listed above are prohibited. The manufacturer accepts no liability in such cases.

Warning and Safety instructions

Foreseeable misuse

- ▶ Do not make any alterations to the tumble dryer, unless authorised to do so by Miele.
- ▶ Do not lean on the tumble-dryer door. Otherwise, the tumble dryer may tip over, causing injury to yourself or others.
- ▶ Do not use a pressure washer or water jet to clean the tumble dryer.
- ▶ To ensure the correct performance of the tumble dryer and to prevent the risk of faults and fire, it is important to carry out maintenance on a regular basis.
- ▶ Benzene, petrol, paraffin, or any easily flammable liquid must not be stored or used near the machine. Danger of explosion.
- ▶ Do not expose the dryer to air which is contaminated with vapour of chlorine, fluorine or other solvents. Danger of fire.
- ▶ To prevent the risk of fire, the following items must not be dried in this tumble dryer:
 - Items which have not been washed.
 - Items which have not been thoroughly cleaned and are still soiled with grease, oil or other deposits (such as kitchen linens or cosmetics cloths with cooking oils, grease, lotions, etc). If items have not been thoroughly cleaned, there is a danger that they might ignite when heated, even after they have been removed from the tumble dryer at the end of the programme.
 - Items (e.g. mops and floor cloths) that have been treated with inflammable cleaning agents or which contain residues of acetone, alcohol, benzene, petrol, kerosene, stain remover, turpentine, wax and wax remover or other chemicals.
 - Items which have been splashed with hair lacquer, hair spray, nail varnish remover or similar substances.

Wash heavily soiled items thoroughly by increasing the amount of detergent and selecting a high washing temperature. If in doubt, wash the items several times.

- ▶ In many programmes, the heating phase is followed by a cooling down phase to ensure that the items are not too hot to handle when you remove them (this also avoids the danger of the laundry self-igniting). The programme is not finished until the cooling down phase is complete. Ensure that you always wait until the end of the programme before removing the laundry.
- ▶ Never operate the tumble dryer without the fluff filter or with a damaged fluff filter. This could lead to malfunctions. Fluff can clog the air channels, heating elements and vent ducting, which could result in a fire. In this case, stop the tumble dryer immediately and replace the damaged fluff filter.

Technical safety

- ▶ Before setting up the tumble dryer, check it for any externally visible damage. Do not install or use a damaged tumble dryer.
- ▶ Do not connect the tumble dryer to the power supply by an extension lead (fire hazard due to overheating).
- ▶ Fire hazard due to controllable socket. This tumble dryer must not be connected to a controllable socket (e.g. a timer). There is a risk of the laundry self-igniting if the tumble dryer's cooling phase is interrupted.
- ▶ The electrical safety of this tumble dryer can only be guaranteed when correctly earthed. It is essential that this standard safety requirement is observed and regularly tested. If in any doubt, please have the electrical installation inspected by a specialist. Miele cannot be held liable for the consequences of an inadequate earthing system.
- ▶ Unauthorised repairs could result in unforeseen dangers for the user, for which Miele cannot accept liability. Repairs should only be undertaken by a Miele authorised technician, otherwise any subsequent damage will not be covered by the warranty.

Warning and Safety instructions

- ▶ Faulty components may only be replaced by genuine Miele spare parts. Miele can only guarantee the safety standards of the appliance when Miele replacement parts are used.
- ▶ In the event of a fault and for cleaning and maintenance purposes, the tumble dryer must be disconnected from the power supply. The tumble dryer is only disconnected from the power supply, if:
 - It is switched off at the wall socket or the plug is withdrawn.
 - The mains fuse is disconnected.
 - The mains fuses have been completely removed.
- ▶ The tumble dryer must not be used in non-stationary installation sites (e.g. on a ship).
- ▶ Follow the instructions in “Installation” and “Technical data”.
- ▶ The tumble dryer may only be operated when the ducting has been installed and the room is sufficiently ventilated.
- ▶ The vent ducting must never be installed in any of the following flues or shafts:
 - Chimneys or smokestacks that are in use.
 - Shafts that are used to ventilate installation rooms with fireplaces.
 - Flues that are used by third parties.

Smoke or exhaust gas that is fed back into the flue or shaft may be toxic.

- ▶ Regularly check all components in the vent ducting (e.g. wall pipe, external grille, bends, elbows, etc.) to make sure air can move through them and to ensure that they are working properly. Clean components when necessary. Fluff deposits in the vent ducting system will prevent the air from being extracted properly and, as a result, will stop the tumble dryer from working properly.

If existing vent ducting is due to be used, it must be checked before being connected to the tumble dryer.

Low pressure must not occur in the vent ducting.

- ▶ There is a risk of suffocation and poisoning due to exhaust gases being sucked back if gas-powered flow heaters, gas-powered room heaters, coal-burning stoves with a flue connection, etc., are installed in the same room, in the same flat or in neighbouring rooms and the negative pressure is 4 Pa or more.

The following measures for suitable room ventilation (examples) can help to prevent negative pressure in the installation area:

- Install suitably sized vents that cannot be closed in the exterior walls.

Please always seek approval from your building regulations inspector to confirm that the appliance can be operated without risk and that negative pressure of over 4 Pa can be prevented.

- ▶ If multiple tumble dryers are to be connected to one vent ducting, a non-return flap must be installed directly on the duct for each tumble dryer.

If this requirement is not observed, the tumble dryers may be damaged and their electrical safety could be affected.

- ▶ The plug must be easily accessible so that the tumble dryer can be disconnected from the power supply at any time. The operator must be able to check from any access point that the plug is still removed.

- ▶ If the appliance is hard wired, adequate provision must be made on site to switch off all poles to disconnect the tumble dryer from the power supply.

- ▶ Do not block the gap between the bottom of the tumble dryer and the floor with plinth facings, deep pile carpet etc.

- ▶ Ensure that no closeable door, sliding door or an oppositely hinged door is installed that would hinder the drum door being opened in any way.

- ▶ If the mains connection cable is faulty it must always be replaced by a Miele authorised technician to protect the user from danger.

Warning and Safety instructions

Gas-heated tumble dryers

- ▶ In the event of a fault or when carrying out cleaning and maintenance, the on-site manual gas shut-off valve and the shut-off device on the gas meter must be closed.
- ▶ Before completing commissioning, maintenance, conversion and repair work, all gas-conducting components – from the manual shut-off valve to the burner jet – must be checked for leaks. Particular attention must be paid to the measurement connections on the gas valve and on the burner. Checks must be performed when the burner is both switched on and switched off.
- ▶ Carry out an annual visual inspection of the gas lines and gas appliances in your home. This inspection must comply with applicable national regulations.

Take these safety precautions if you smell gas

- Extinguish all flames immediately.
- Close the on-site gas shut-off device, the gas shut-off device on the gas meter or the main gas shut-off device immediately.
- Open all windows and doors immediately.
- Do not light any naked flames (e.g. matches or lighters).
- Do not smoke.
- If there is the smell of gas in a room, never enter the room with a naked flame.
- Do not carry out any actions that will create electrical sparks (such as pulling out electrical plugs or pressing electrical switches or bells).
- If you cannot find the cause of the gas smell and all gas valves have been shut off, please call the gas supply company immediately.

If other persons are being shown how to operate the appliance, they must be given and/or made aware of these important safety precautions.

Correct use

- ▶ Always close the drum door after each drying cycle. This will prevent:
 - Children climbing into the tumble dryer or hiding things in it.
 - Pets or other small animals climbing into the tumble dryer.
- ▶ Keep the room where the tumble dryer is located free from dust and fluff. If the air that is taken into the machine contains dirt particles, this can cause blockages. A fault may then occur and there is a risk of fire.
- ▶ Never operate the tumble dryer without the fluff filter or with a damaged fluff filter. This could lead to malfunctions. Fluff can clog the air channels, heating elements and vent ducting, which could result in a fire. In this case, stop the tumble dryer immediately and replace the damaged fluff filter.
- ▶ The fluff filter must be cleaned on a regular basis.
- ▶ To ensure problem-free operation of the tumble dryer:
 - Clean the surface of the fluff filter after each drying cycle.
 - In addition, the fluff filter and the air passages must be cleaned when prompted by the display.
- ▶ Remove all items from the pockets of the laundry to be dried (e.g. lighters, matches, keys).
- ▶ The programme ends when the cooling phase starts. Many programmes are followed by the cooling phase to ensure that the items of laundry are kept at a temperature that will not cause them damage (for instance to prevent the risk of the laundry self-igniting). Always remove all items of laundry from the tumble dryer immediately after the cooling phase.
- ▶ Fabric conditioner and similar products must be used according to the instructions on the manufacturer's packaging.

Warning and Safety instructions

► For tumble dryers with stainless steel surfaces:

The stainless steel surfaces must not come into contact with liquid cleaning and disinfecting agents which contain chlorine or sodium hypochlorite. These agents can have a corrosive effect on stainless steel.

Aggressive vapours containing chlorine can also be corrosive.

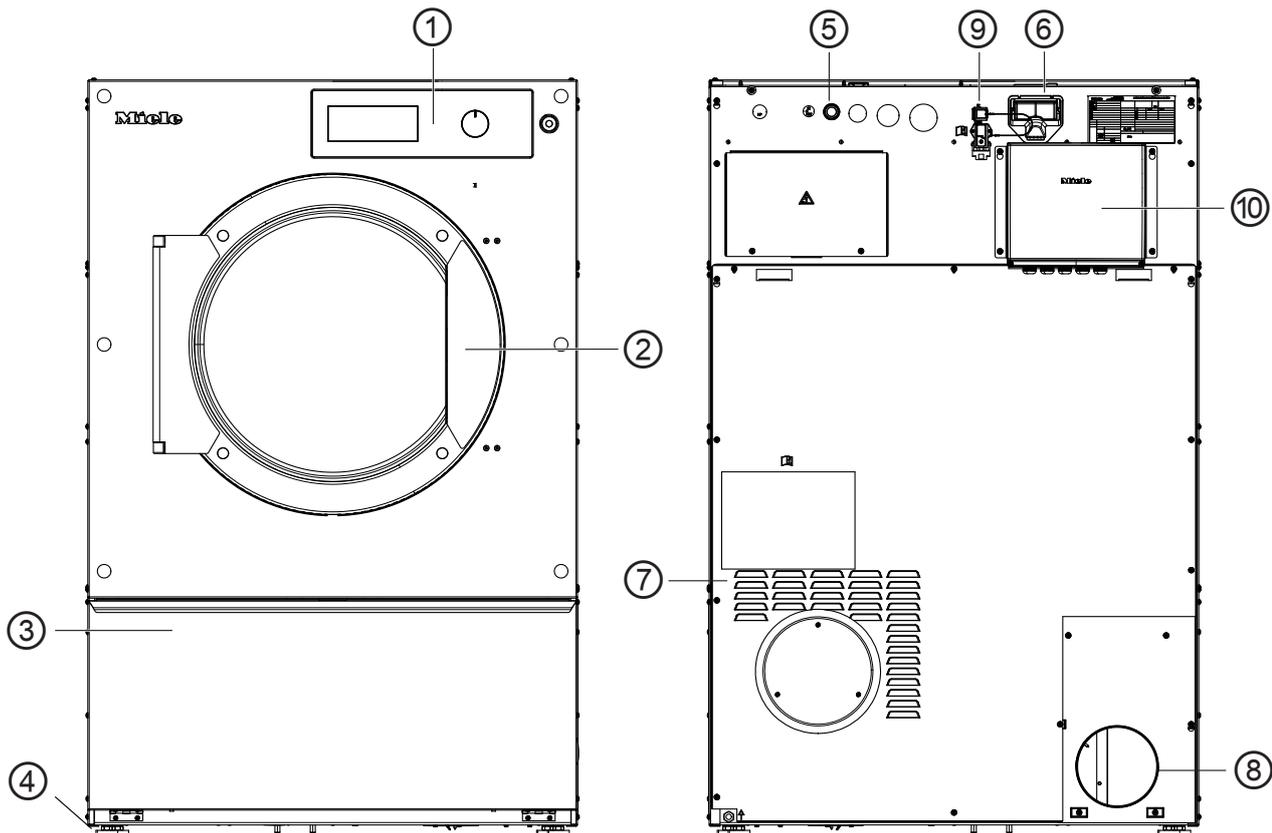
Do not store containers of these agents near the tumble dryer.

Accessories

► Accessory parts may only be fitted when expressly approved by Miele. If other parts are used, warranty, performance and product liability claims will be invalidated.

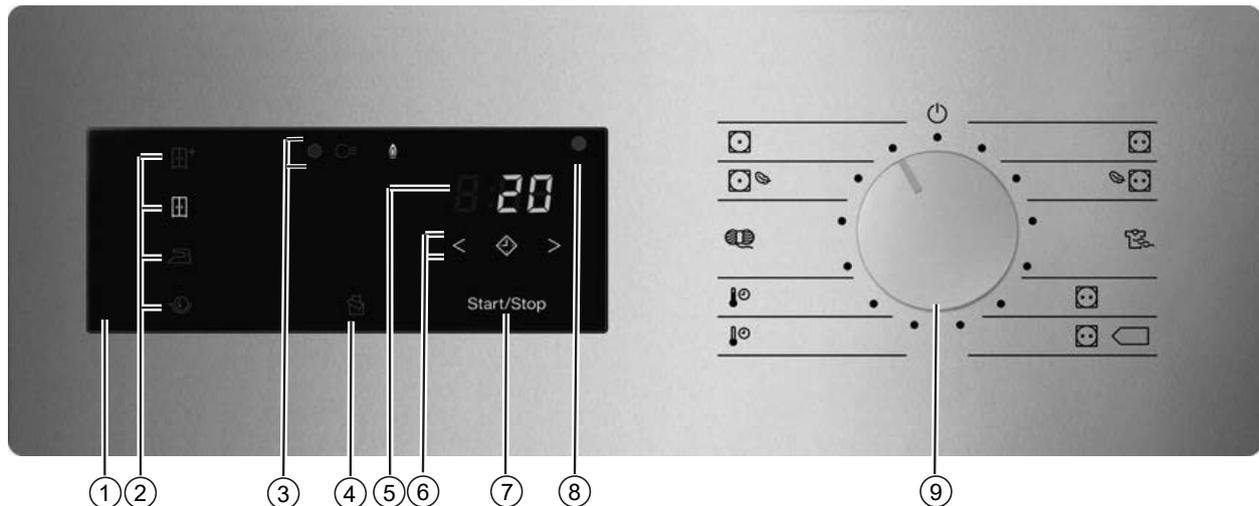
 Miele cannot be held liable for damage caused by non-compliance with these Warning and Safety instructions.

Description of the machine



- ① Control panel with rotary control
- ② Door
- ③ Fluff filter flap
- ④ 4 height-adjustable screw feet
- ⑤ Electrical connection
- ⑥ Communication module slot
- ⑦ Intake vents for drying air
- ⑧ Exhaust duct
- ⑨ Connection for communication box
- ⑩ Communication box (optional)
For setting up a connection with external systems

Machines with residual moisture control (ROP)



① **Control field**

② **Sensor controls for the drying levels**

③ **Status displays**   
Light up when necessary.

④  **sensor control**

Activates the Intermittent fan operation to perfectly dry light fabrics, e.g. bed linen and cloths. The function is deactivated as a factory default setting and can only be activated and set by the Miele Customer Service Department.

⑤ **Time display 8:88**

Displays the remaining programme running time in hours and minutes.

⑥    **sensor controls**

For the Delay start function. After touching the  sensor control, a later start time for the programme (Delay start) can be selected. The  sensor control lights up brightly when selected.

The duration of the Delay start period is selected by touching the  or  sensor control.

⑦ **Start/Stop sensor control**

For starting the selected drying programme and cancelling a programme once it has started. The programme selected can be started as soon as the sensor control starts flashing.

⑧ **Optical interface**

Used for data transfer by the Customer Service Department.

⑨ **Programme selector**

For selecting programmes and for switching the machine off. The tumble dryer is switched on when you select a programme and switched off by turning the programme selector to the  position.

Drying levels

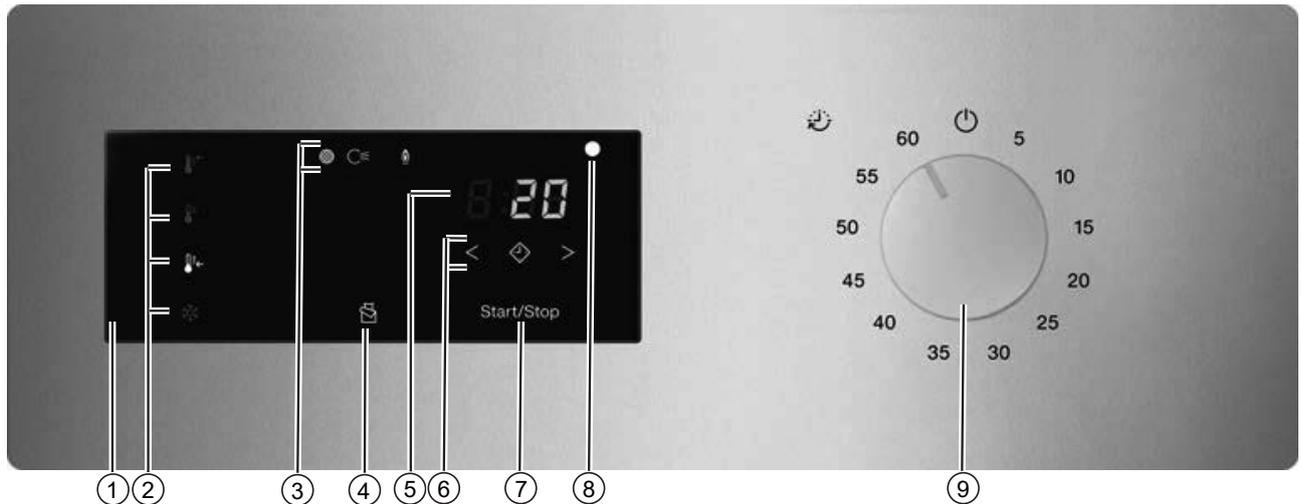
-  sensor control = "Normal plus"
-  sensor control = "Normal"
-  sensor control = "Hand iron"
-  sensor control = "Machine iron"
-  sensor control: "Duvets" function

Operating the tumble dryer

Drying programmes

-  position = "Cottons" programme
For drying cotton and linen fabrics.
-  position = "Cottons Low temperature" programme
For drying delicate cotton and linen fabrics.
-  position = "Synthetics/Delicates" programme
For drying synthetic fibres and artificial silk to 20 % residual moisture.
-  PRO position = "Label programme" programme
-   position = "Label programme" programme
-  position = "Timed drying cool air" programme
For airing fabrics with 10 minutes of drying time.
-  position = "Timed drying warm air" programme
For drying fabrics at high temperatures and with 20 minutes of drying time
-  position = "Woollens" programme
For drying woollens with 5 minutes of drying time.
-   position = "Minimum iron Low temperature" programme
-  position = "Minimum iron" programme
-  position = machine off

Machines with time control (TOP)



- ① **Control field**
- ② **Sensor controls for the drying levels**
- ③ **Status displays**   
Light up when necessary.
- ④  **sensor control**
Activates the Intermittent fan operation to perfectly dry light fabrics, e.g. bed linen and cloths. The function is deactivated as a factory default setting and can only be activated and set by the Miele Customer Service Department.
- ⑤ **Time display 8:20**
Displays the remaining programme running time in hours and minutes.
- ⑥    **sensor controls**
For the Delay start function. After touching the  sensor control, a later start time for the programme (Delay start) can be selected. The  sensor control lights up brightly when selected.
The duration of the Delay start period is selected by touching the  or  sensor control.
- ⑦ **Start/Stop sensor control**
For starting the selected drying programme and cancelling a programme once it has started. The programme selected can be started as soon as the sensor control starts flashing.
- ⑧ **Optical interface**
Used for data transfer by the Customer Service Department.
- ⑨ **Time selector**
For selecting times and for switching the machine off. The tumble dryer is switched on when you select a time and switched off based on the position of the time selector .

Drying levels (TOP)

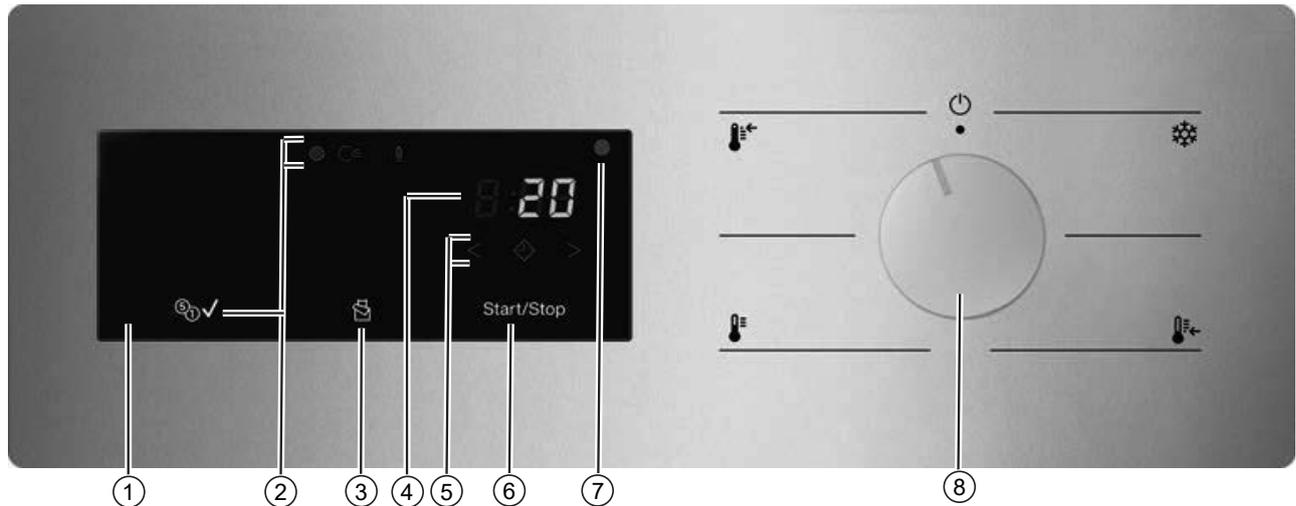
-  sensor control = "high" temperature setting
-  sensor control = "medium" temperature setting
-  sensor control = "low" temperature setting
-  sensor control = "cool" temperature setting

Operating the tumble dryer

Timed programmes

- 5 position = Timed drying: 05 minutes
- 10–55 position = Timed drying: 10–55 minutes
- 60 position = Timed drying: 60 minutes
-  position = machine off

Machines with payment systems (COP)



① **Control field**

② **Status displays** 🌐 ⏸ 🔥 ✓
Light up when necessary.

③ **sensor control**
Activates the Intermittent fan operation to perfectly dry light fabrics, e.g. bed linen and cloths. The function is deactivated as a factory default setting and can only be activated and set by the Miele Customer Service Department.

④ **Time display 8:88**
Displays the remaining programme running time in hours and minutes.

⑤ **< > sensor controls**
For the Delay start function. After touching the ⏸ sensor control, a later start time for the programme (Delay start) can be selected. The ⏸ sensor control lights up brightly when selected.
The duration of the Delay start period is selected by touching the < or > sensor control.

⑥ **Start/Stop sensor control**
For starting the selected drying programme and cancelling a programme once it has started. The programme selected can be started as soon as the sensor control starts flashing.

⑦ **Optical interface**
Used for data transfer by the Customer Service Department.

⑧ **Temperature setting selector**
For selecting temperature settings and for switching the machine off. The tumble dryer is switched on when you select a temperature setting and switched off at temperature selector setting ⏻.

Drying programmes

- ❄️ position range = cool temperature setting
For airing fabrics.
- 🌡️ position range = “low” temperature setting
For drying delicates made from artificial silk or synthetic fibres.
- 🌡️ position range = “medium” temperature setting
For drying easy-care synthetics and mixed fibres.

Operating the tumble dryer

- 🔥 position range = “high” temperature setting
For drying cotton and linen fabrics.
- ⏻ position = machine off

How the control field works

The sensor controls react to fingertip contact. If a sensor control is lit, it can be selected.

If a sensor control is brightly lit, this means it is currently selected.

If a sensor control is dimly lit, this means it can be selected.

Sensor controls for the drying levels

After selecting a drying level programme with the programme selector, the recommended drying level lights up. Drying levels that can be selected are dimly lit.

Drying levels

-  sensor control = "Normal plus"
-  sensor control = "Normal"
-  sensor control = "Hand iron"
-  sensor control = "Machine iron"

Drying levels (TOP)

-  sensor control = "high" temperature setting
-  sensor control = "medium" temperature setting
-  sensor control = "low" temperature setting
-  sensor control = "cool" temperature setting

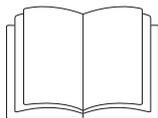
Drying levels in payment system operation

-  sensor control = "high" temperature setting
-  sensor control = "medium" temperature setting
-  sensor control = "low" temperature setting
-  sensor control = "cool" temperature setting

Indicators

-  indicator light: lights up when the fluff filter needs cleaning.
-  indicator light: lights up if a fault is present in the ducting.
-  indicator light (gas-heated machines only): lights up when the heating is active.
-  indicator light (machines with payment system only): lights up when payment has been made.
-  time display: the remaining programme running time is displayed in hours and minutes. With most programmes, the duration displayed may vary or "jump". The following factors, among others, affect the programme duration displayed: the quantity of laundry, the type of fabric and the residual moisture in the laundry. The electronic module adapts to these parameters and then adjusts the programme duration with increasing accuracy.

Initial commissioning



 Risk of injury or damage to property due to improper installation. Incorrect installation of the tumble dryer can lead to personal injury or damage to property.
Before commissioning the tumble dryer for the first time, make sure it has been installed correctly.
Connect the tumble dryer correctly.
Please follow the instructions in “Installation”.

Complete the initial commissioning process. During the initial commissioning process, you will need to define the settings for daily use of the tumble dryer. Some settings can only be modified during the initial commissioning process. After that, they can only be changed by the Miele Customer Service Department.

1. Notes on correct laundry care

Washing before drying

Heavily soiled laundry must be washed particularly thoroughly. Use sufficient detergent and select a high wash temperature. If in doubt, wash the items several times.

The tumble dryer must not be used for drying items of laundry which have been cleaned using industrial chemicals.

New and coloured items must be washed thoroughly and separately. Do not dry new and coloured items with light coloured garments. There is the risk of colours running and discolouring other garments or even plastic components in the tumble dryer. Dark coloured fluff can also settle on light coloured garments and vice versa.

Removing foreign objects

Before drying, ensure that there are no foreign objects in the laundry.

 Damage due to foreign objects which were not removed from the laundry.
Foreign objects in the laundry can melt, burn or explode.
Ensure that any foreign objects (e.g. detergent dispensing aids, lighters, etc.) have been removed from the laundry.

Check seams and stitching to ensure that the items of laundry are intact. This way you will avoid the danger of fillings coming out and causing a fire. Sew in or remove underwiring from bras.

 Risk of fire due to incorrect use and operation.
The laundry can burn and destroy the tumble dryer and the surroundings.
See the section on “Warnings and safety notes” for further information.

Care symbols

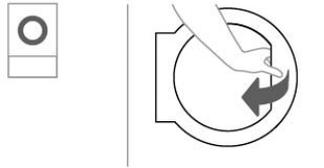
Drying	
	Normal/higher temperature
	Low temperature*
* Select Low temperature.	
	Do not tumble dry
Ironing	
	Very hot
	Hot
	Warm
	Do not iron

2. Loading the tumble dryer

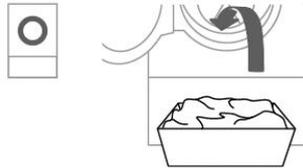
Loading the laundry

 Damage to fabrics caused by incorrect laundry care.
Incorrect laundry care can damage fabrics during tumble drying.
Before loading the dryer, read “1. Notes on correct laundry care”.

Drying



- Open the door.

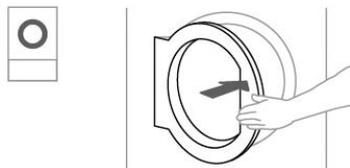


- Load the washed laundry into the tumble dryer.

Do not overload the drum.
Overloading the drum will cause unnecessary wear and tear to the laundry and affect the drying results. This can also increase the creasing in the laundry.

Closing the door

⚠ Damage caused by laundry getting trapped.
Laundry can be damaged by getting trapped when closing the door. When closing the door, make sure that laundry does not get trapped in the door opening.



- Shut the door gently.

3. Selecting a programme

Selecting a programme

The tumble dryer is switched on by selecting a programme and switched off by turning the programme selector to the  position.

- Turn the programme selector to the required programme.

A drying level may also light up and durations will appear in the time display.

Drying level for programmes with a selectable drying level

The pre-set drying level can be changed if required.

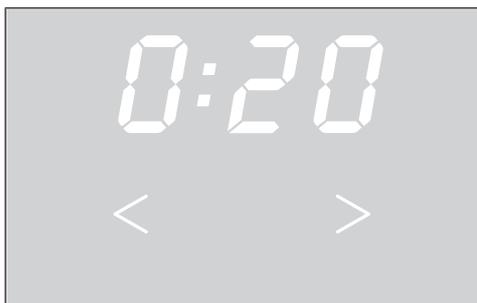
- Touch the sensor control for the drying level you want. It then lights up brightly.

The drying levels that are available for selection depend on the selected programme.

Time-controlled and other programmes

Warm air

You can set the duration in one-minute increments from 0:20 minutes to 2:00 hours.

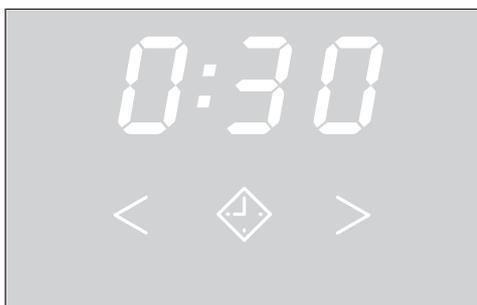


- Touch the < or > sensor control repeatedly until the required programme running time appears in the time display.

The drying result is preset by the tumble dryer and cannot be altered.

Selecting the Delay start function

With Delay start, you can delay the start of a programme from 0:30 minutes up to 24h (hours).



- Touch the  sensor control.
 lights up brightly.
- Touch the > or < sensor control repeatedly until the required Delay start time appears in the time display.

Tip: The time will count upwards or downwards automatically if you touch the > or < sensor controls continuously.

Changing the Delay start time

- Touch the *Start/Stop* sensor control.
- Touch the > or < sensor control repeatedly until the required Delay start time appears in the time display.
- Touch the *Start/Stop* sensor control.

The Delay start function continues to count down.

Cancelling/deleting Delay start

- Turn the programme selector to the  position. Alternatively, you can also cancel Delay start by opening the door.

Delay start count-down

- Delay start times of more than 10h will count down in hours and then in minutes until the start of the programme.
- The drum will turn briefly every hour until the start of the programme to reduce laundry creasing.

4. Starting a programme

Starting a programme

- Touch the flashing *Start/Stop* sensor control.

Drying

The *Start/Stop* sensor control will light up.

Programme sequence

- If Delay start has been selected, the Delay start time will start to count down first.
- The programme starts.

Programme running time/Time left estimation

The programme running time depends on the quantity of laundry, the type of fabric and the residual moisture in the laundry. The displayed programme running time for drying level programmes can therefore vary or “jump”. The tumble dryer’s electronic module adapts during the ongoing drying programme. The displayed programme running time becomes more and more accurate.

When using the programmes for the first time, the displayed time sometimes deviates significantly from the real time left. The difference between the estimated and achieved time becomes smaller if the corresponding programme is run more often. If different load sizes are dried in one programme, the time left display can only show an approximate time.

Laundry items and fabrics can wear out unnecessarily.
Avoid overdrying the laundry.

Energy saving

After a programmed time, the indicators dim. The *Start/Stop* sensor control flashes slowly.

- Touch the *Start/Stop* sensor control to switch the indicators back on.

Energy saving for the indicators will not affect a running programme.

- The laundry is cooled before the end of the programme in line with the setting in the programmable function.

5. Unloading laundry from the tumble dryer

End of the programme

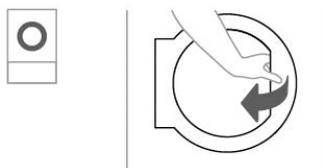
The tumble dryer can be configured so that a buzzer sounds at the end of the programme.

At the end of the programme (0:00 is indicated on the time display), the laundry has cooled down and can be removed.

If *Anti-crease* has been selected, the drum keeps rotating at intervals. This reduces creasing if the laundry cannot be removed straight away.

The tumble dryer will switch off automatically after the programmed time after the end of a programme.

Removing the laundry

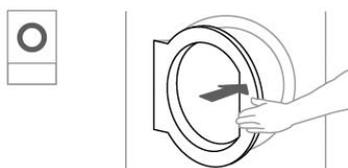


- Open the door.



- Remove all of the laundry from the drum.

⚠ Damage caused by overdrying.
Laundry left in the dryer can be damaged by overdrying.
Always remove all items from the drum once drying has finished.



- Close the door.
- Switch the tumble dryer off.

Care notes

This tumble dryer requires regular maintenance, particularly if it is used on a continuous basis. Please see “Cleaning and care” for details.

Changing the programme sequence

Changing a programme once it has started

You cannot change to another programme once a programme has started (this prevents unintentional alterations). You will need to cancel the current programme before you can select a new one.

 Risk of fire due to incorrect use and operation.
The laundry can burn and destroy the tumble dryer and the surroundings.
See the section on “Warning and safety” for further information.

If you adjust the programme selector, the  symbol will light up in the time display. The  symbol goes out when you select the original programme.

Cancelling the current programme

- Touch the *Start/Stop* sensor control for more than 2 seconds.

If the programme has ended or has been cancelled and the laundry temperature is high enough, the items will be cooled down.

If you press the *Start/Stop* sensor control again during the cooling phase,  will light up.

- Open the door.
- Close the door.
- Select a different programme from the main menu.
- Touch the *Start/Stop* sensor control.

Selecting another programme

Adding laundry

- Open the door.

 Risk of burns by touching hot laundry in the tumble dryer drum.
The laundry and the tumble dryer drum are still hot and can cause burns if they are touched.
Let the laundry cool down and remove it carefully.

- Add the laundry.
- Close the door.
- Start the programme.

Adding laundry during ongoing Delay start period

You can open the door to add or remove laundry.

- All programme settings will be saved.
- You can change the drying level, if required.

- Open the door.
- Add or remove laundry.
- Close the door.
- Touch the *Start/Stop* sensor control so that the Delay start period continues.

Time left

Altering the programme sequence can cause the programme duration shown in the display to be adjusted.

Supervisor level (programming mode)

Requirements for accessing supervisor level

- The appliance is switched on.
- The appliance door is open.

Accessing supervisor level

- Touch and hold the *Start/Stop* sensor control and close the door.

The *Start/Stop* sensor control flashes rapidly for 2 seconds.

- Continue touching the *Start/Stop* sensor control for at least 4 seconds.

The *Start/Stop* sensor control will light up constantly. This indicates that you have successfully accessed the supervisor level programming mode.

- Release the *Start/Stop* sensor control.

If the illuminated *Start/Stop* sensor control is not released again within 6 seconds, the appliance will detect an accessing error or a door jam.

The maximum time for the access attempt is 10 seconds. The attempt will then be cancelled automatically.

Overview of supervisor level

If the pre-set values in the supervisor level are changed, the tumble dryer's energy requirements may change.

Pro-gramme	Designation	Possible set value	Standard setting	Explanation
P01	Drying level Cottons	01 02 03 04 05 06 07	04	01 = Damper 3 02 = Damper 2 03 = Damper 1 04 = Standard 05 = Drier 1 06 = Drier 2 07 = Drier 3
P02	Drying level Minimum iron	01 02 03 04 05 06 07	04	01 = Damper 3 02 = Damper 2 03 = Damper 1 04 = Standard 05 = Drier 1 06 = Drier 2 07 = Drier 3
P03	Cottons & Timed operation internal/external 1 Heater bank temperature	01–20	20	See “Heater bank temperature” table
P04	Cottons & Timed operation internal/external 1 Process air temperature	00–46	46	See “Process air temperature” table
P05	Cottons & Timed operation internal/external 1 Drum drive running time in primary direction	01–51	35	See table “Reversing cycle”
P06	Cottons & Timed operation internal/external 1 Drum drive running time in reverse direction	01–51	35	See table “Reversing cycle”

Supervisor level (programming mode)

Pro-gramme	Designation	Possible set value	Standard setting	Explanation
P07	Cottons & Timed operation internal/external 1 Drum drive pause	01–14	02	See “Pauses” table
P08	Cottons & Timed operation internal/external 2 Heater bank temperature	01–20	10	See “Heater bank temperature” table
P09	Cottons & Timed operation internal/external 2 Process air temperature	00–46	31	See “Process air temperature” table
P10	Cottons & Timed operation internal/external 2 Drive running time in primary direction	01–51	35	See table “Reversing cycle”
P11	Cottons & Timed operation internal/external 2 Drive running time in reverse direction	01–51	35	See table “Reversing cycle”
P12	Cottons & Timed operation internal/external 2 Drive pause time	01–14	02	See “Pauses” table
P13	Synthetics/Delicates & Timed operation internal/external 3 Heater bank temperature	01–20	04	See “Heater bank temperature” table
P14	Synthetics/Delicates & Timed operation internal/external 3 Process air temperature	00–46	11	See “Process air temperature” table
P15	Synthetics/Delicates & Timed operation internal/external 3 Drive running time in primary direction	01–51	05 TOP/COP: 35	See table “Reversing cycle”
P16	Synthetics/Delicates & Timed operation internal/external 3 Drive running time in reverse direction	01–51	05 TOP/COP: 35	See table “Reversing cycle”
P17	Synthetics/Delicates & Timed operation internal/external 3 Drive pause time	01–14	02	See “Pauses” table
P18	PRO & Timed operation internal/external 4 Heater bank temperature	01–20	20 TOP/COP: 00	See “Heater bank temperature” table
P19	PRO & Timed operation internal/external 4 Process air temperature	00–46	46 TOP/COP: 00	See “Process air temperature” table
P20	PRO & Timed operation internal/external 4 Drive running time in primary direction	01–51	35	See table “Reversing cycle”
P21	PRO & Timed operation internal/external 4 Drive running time in reverse direction	01–51	35	See table “Reversing cycle”
P22	PRO & Timed operation internal/external 4 Drive pause time	01–14	02	See “Pauses” table
P23	Label Heater bank temperature	01–20	20	See “Heater bank temperature” table
P24	Label Process air temperature	00–46	46	See “Process air temperature” table

Supervisor level (programming mode)

Pro-gramme	Designation	Possible set value	Standard setting	Explanation
P25	Label Drum drive primary direction	01–51	35	See table “Reversing cycle”
P26	Label Drum drive reverse direction	01–51	35	See table “Reversing cycle”
P27	Label Drum drive pause	01–14	02	See “Pauses” table
P28	Timed drying cool air Drum drive primary direction	01–51	35	See table “Reversing cycle”
P29	Timed drying cool air Drum drive reverse direction	01–51	35	See table “Reversing cycle”
P30	Timed drying cool air Drum drive pause	01–14	02	See “Pauses” table
P31	Timed drying warm air Heater bank temperature	01–20	20	See “Heater bank temperature” table
P32	Timed drying warm air Process air temperature	00–46	46	See “Process air temperature” table
P33	Timed drying warm air Drum drive primary direction	01–51	35	See table “Reversing cycle”
P34	Timed drying warm air Drum drive reverse direction	01–51	35	See table “Reversing cycle”
P35	Timed drying warm air Drum drive pause	01–14	02	See “Pauses” table
P36	Woollens Heater bank temperature	01–20	20	See “Heater bank temperature” table
P37	Woollens Process air temperature	00–46	46	See “Process air temperature” table
P38	Woollens Drive running time in primary direction	01–51	21	See table “Reversing cycle”
P39	Woollens Drive running time in reverse direction	01–51	01	See table “Reversing cycle”
P40	Woollens Drive pause time	01–14	09	See “Pauses” table
P41	Minimum iron Low temperature Heater bank temperature	01–20	04	See “Heater bank temperature” table
P42	Minimum iron Low temperature Process air temperature	00–46	11	See “Process air temperature” table
P43	Minimum iron Low temperature Drive running time in primary direction	01–51	35	See table “Reversing cycle”
P44	Minimum iron Low temperature Drive running time in reverse direction	01–51	35	See table “Reversing cycle”
P45	Minimum iron Low temperature Drive pause time	01–14	02	See “Pauses” table
P46	Minimum iron Heater bank temperature	01–20	10	See “Heater bank temperature” table
P47	Minimum iron Process air temperature	00–46	31	See “Process air temperature” table

Supervisor level (programming mode)

Pro-gramme	Designation	Possible set value	Standard setting	Explanation
P48	Minimum iron Drive running time in primary direction	01–51	35	See table “Reversing cycle”
P49	Minimum iron Drive running time in reverse direction	01–51	35	See table “Reversing cycle”
P50	Minimum iron Drive pause time	01–14	02	See “Pauses” table
P51	Fan pulsed operation Off/On	00 01	00	00 = Off 01 = On
P55	Finish tone	00 01 02	01	00 = Off 01 = Normal 02 = Loud
P56	Keypad tone	00 01 02	01	00 = Off 01 = Normal 02 = Loud
P57	Welcome tone	00 01 02	01	00 = Off 01 = Normal 02 = Loud
P58	Fault alarm	00 01	01	00 = Off 01 = On
P59	Backlight brightness	01 02 03 04 05 06 07	07	Brightness of the selected backlight
P60	Backlight brightness dimmed	01 02 03 04 05 06 07	02	01 = 10 % of maximum brightness 02 = 20 % of maximum brightness 03 = 30 % of maximum brightness 04 = 40 % of maximum brightness 05 = 50 % of maximum brightness 06 = 60 % of maximum brightness 07 = 70 % of maximum brightness
P61	Display brightness	01 02 03 04 05 06 07 08 09 10 11 12 13 14 15	08	Seven-segment display brightness

Supervisor level (programming mode)

Pro-gramme	Designation	Possible set value	Standard setting	Explanation
P62	Display off status	00 01 02 03 04	02	00 = Off 01 = On after 10 minutes, not during programme in operation 02 = On after 10 minutes 03 = On after 30 minutes, not during programme in operation 04 = On after 30 minutes
P63	Machine off status	00 01 02 03	01	00 = No switch off 01 = After 15 minutes 02 = After 20 minutes 03 = After 30 minutes
P65	Further cooling	00 01	01	00 = Off 01 = On
P66	Cooling down temperature	00–15	15	00 = 40 °C/104 °F 01 = 41 °C/106 °F 02 = 42 °C/108 °F 03 = 43 °C/109 °F 04 = 44 °C/111 °F 05 = 45 °C/113 °F 06 = 46 °C/115 °F 07 = 47 °C/117 °F 08 = 48 °C/118 °F 09 = 49 °C/120 °F 10 = 50 °C/122 °F 11 = 51 °C/124 °F 12 = 52 °C/126 °F 13 = 53 °C/127 °F 14 = 54 °C/129 °F 15 = 55 °C/131 °F
P67	Memory	00 01	00	00 = Off 01 = On
P68	Anti-crease	00 01 02 03 04 05 06 07 08 09 10 11 12	02	00 = Off 01 = 1 h 02 = 2 h 03 = 3 h 04 = 4 h 05 = 5 h 06 = 6 h 07 = 7 h 08 = 8 h 09 = 9 h 10 = 10 h 11 = 11 h 12 = 12 h
P70	Clean the filters	00–55	55	00 = Off xx = xx h 55 = 55 h
P71	Delay start	00 01	00	00 = Off 01 = On

Supervisor level (programming mode)

Pro-gramme	Designation	Possible set value	Standard setting	Explanation
P74	Door opening status	00 01	00	00 = Off = programme cancelled when door is opened 01 = On = programme interrupted when door is opened
P85	Pressure sensor (external)	00 01 02	00	00 = Off 01 = Normally open contact 02 = Normally closed contact
P86	External exhaust flap	00 01	00	00 = No 01 = Yes
P87	External exhaust flap delay	00–99	00	00 = None 01 = 1 s 02 = 2 s 99 = 99 s
P88	Additional fan	00 01	00	00 = Off 01 = On
P91	COM module selection	00 01 02	00	00 = Off 01 = Internal module 02 = External module
P92	External prog. lock	00 01	01	00 = Off 01 = On

Heater bank temperature

Set value in the display	Temperature
01	55 °C/131 °F
02	60 °C/140 °F
03	65 °C/149 °F
04	70 °C/158 °F
05	75 °C/167 °F
06	80 °C/176 °F
07	85 °C/185 °F
08	90 °C/194 °F
09	95 °C/203 °F
10	100 °C/212 °F
11	105 °C/221 °F
12	110 °C/230 °F
13	115 °C/239 °F
14	120 °C/248 °F
15	125 °C/257 °F
16	130 °C/266 °F
17	135 °C/275 °F
18	140 °C/284 °F
19	145 °C/293 °F
20	150 °C/302 °F

Supervisor level (programming mode)

Process air temperature

Set value in the display	Temperature
00	Cold
01	30 °C/86 °F
02	31 °C/88 °F
03	32 °C/90 °F
04	33 °C/91 °F
05	34 °C/93 °F
06	35 °C/95 °F
07	36 °C/97 °F
08	37 °C/99 °F
09	38 °C/100 °F
10	39 °C/102 °F
11	40 °C/104 °F
12	41 °C/106 °F
13	42 °C/108 °F
14	43 °C/109 °F
15	44 °C/111 °F
16	45 °C/113 °F
17	46 °C/115 °F
18	47 °C/117 °F
19	48 °C/118 °F
20	49 °C/120 °F
21	50 °C/122 °F
22	51 °C/124 °F
23	52 °C/126 °F
24	53 °C/127 °F
25	54 °C/129 °F
26	55 °C/131 °F
27	56 °C/133 °F
28	57 °C/135 °F
29	58 °C/136 °F
30	59 °C/138 °F
31	60 °C/140 °F
32	61 °C/142 °F
33	62 °C/144 °F
34	63 °C/145 °F
35	64 °C/147 °F
36	65 °C/149 °F
37	66 °C/151 °F
38	67 °C/153 °F
39	68 °C/154 °F
40	69 °C/156 °F
41	70 °C/158 °F
42	71 °C/160 °F

Supervisor level (programming mode)

Set value in the display	Temperature
43	72 °C/162 °F
44	73 °C/163 °F
45	74 °C/165 °F
46	75 °C/167 °F

Reversing cycle

Set value in the display	Seconds
01	20 s
02	22 s
03	24 s
04	26 s
05	28 s
06	30 s
07	32 s
08	34 s
09	36 s
10	38 s
11	40 s
12	42 s
13	44 s
14	46 s
15	48 s
16	50 s
17	52 s
18	54 s
19	56 s
20	58 s
21	60 s
22	62 s
23	64 s
24	66 s
25	68 s
26	70 s
27	72 s
28	74 s
29	76 s
30	78 s
31	80 s
32	82 s
33	84 s
34	86 s
35	88 s
36	90 s
37	92 s

Supervisor level (programming mode)

Set value in the display	Seconds
38	94 s
39	96 s
40	98 s
41	100 s
42	102 s
43	104 s
44	106 s
45	108 s
46	110 s
47	112 s
48	114 s
49	116 s
50	118 s
51	120 s

Pauses

Set value in the display	Seconds
01	2 s
02	3 s
03	4 s
04	5 s
05	6 s
06	7 s
07	8 s
08	9 s
09	10 s
10	11 s
11	12 s
12	13 s
13	14 s
14	15 s

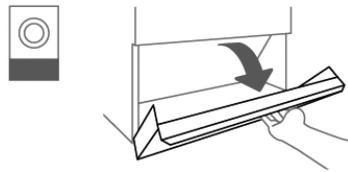
Quitting programming mode

- To quit programming mode, turn the rotary control on the tumble dryer to the  position. The tumble dryer is switched off.

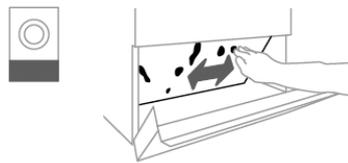
Cleaning the fluff filter

⚠ Risk of fire if the tumble dryer is operated without a fluff filter. If there is no fluff filter, the air channels, heating elements and vent ducting can become clogged during drying and may catch fire. The fluff filter must not be removed for cleaning. Never operate the tumble dryer without the fluff filter in place. Replace a damaged fluff filter immediately.

A fluff filter collects fluff released by textiles. The fluff filter must be cleaned at least once per working day as well as in accordance with the corresponding message in the display. In the event of a heavy build-up of fluff, the fluff filter should be cleaned several times per day.

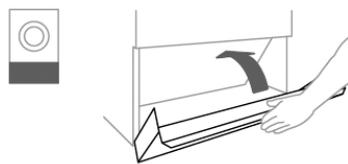


- Open the fluff filter compartment cover.



- Remove the fluff from the fluff filter using your hands.

Do not use pointed or sharp-edged objects to clean the fluff filter. Otherwise, the fluff filter may become damaged.



- Close the fluff filter compartment cover after cleaning the fluff filter.

Cleaning the drum and the outside of the casing

⚠ Risk of death due to electric shock. The tumble dryer must be completely disconnected from the power supply before performing cleaning or maintenance work. Before starting cleaning or maintenance work, always switch off the tumble dryer at the main switch (on site). Do not use a pressure washer or water jet to clean the tumble dryer.

Cleaning and care

⚠ Risk of damage due to solvent-based cleaning agents and abrasive cleaners.

Solvent based cleaning agents, abrasive cleaners, glass cleaners or all-purpose cleaners can cause damage to plastic surfaces and other parts.

Clean the tumble dryer with a slightly damp cloth and a mild non-abrasive cleaning agent or soapy water.

- Clean the seal around the inside of the door with a damp cloth.
- The tumble dryer drum must be wiped clean with a soft, damp cloth after drying items that have been starched.
- Dry all parts with a soft cloth.
- The drum and other stainless steel parts can be cleaned with a suitable stainless steel cleaner if you wish.

The air intake vent is located on the rear of the tumble dryer.

This vent must never be covered or blocked with objects.

Keep the area around the tumble dryer – in particular the air intake – clear of fluff.

Additional annual cleaning

The Miele Customer Service Department or a trained specialist must check the interior of the tumble dryer and the ducting for lint deposits **once per year** and clean the machine if necessary. In the case of electrically heated tumble dryers, the heater bank and the heating shaft must also be checked by the Miele Customer Service Department. In the case of gas-heated dryers, the burner and the burner area must be checked.

Fault diagnosis

Message	Cause and remedy
The display remains dark.	<p>There is no power to the tumble dryer.</p> <ul style="list-style-type: none"> ■ Check the mains plug, main switch and fuses (on site).
Problem	Cause and remedy
The efficiency of the tumble dryer decreases.	<p>The fluff filter in the tumble dryer is dirty.</p> <ul style="list-style-type: none"> ■ Check the fluff filter in the tumble dryer for contamination and clean it if necessary.
	<p>Insufficient ventilation</p> <ul style="list-style-type: none"> ■ Make sure that the air intake vent and the tumble dryer ducting are not covered or blocked by objects.
	<p>Room temperature too high (>45 °C)</p> <ul style="list-style-type: none"> ■ Ensure adequate ventilation of the installation site. ■ If necessary, connect the tumble dryer to external fresh air and exhaust air ducting.
Feather-filled pillows smell after drying.	<p>Feathers tend to develop a build-up of their own smell or smells from other sources when they are heated.</p> <ul style="list-style-type: none"> ■ Smells can be reduced through natural ventilation after drying.
Items made of synthetic fibres are charged with static electricity after drying.	<p>Synthetic fibres tend to attract static charge.</p> <ul style="list-style-type: none"> ■ Static charge can be reduced by adding a fabric softener to the final rinse in the washing programme.
There is a build-up of fluff.	<p>Fluff is principally the result of friction when garments are being worn and to some extent when they are being washed. Machine drying hardly causes any fluff to form and has no appreciable effect on the lifetime of the fabric.</p> <p>Fluff is collected by the fluff filters and fine filter and can be easily removed</p> <ul style="list-style-type: none"> ■ (see “Cleaning and care”).
The drying process goes on too long or even switches off.	<p>In some circumstances, you may be asked to clean the air channels/air guide.</p> <ul style="list-style-type: none"> ■ Please check all the possible causes described below.
	<p>The fluff filter is clogged with fluff.</p> <ul style="list-style-type: none"> ■ Remove the fluff.
	<p>The air guide area is clogged with hair and fluff, for example.</p> <ul style="list-style-type: none"> ■ Clean the air guide area. ■ You can remove the cover in the loading area to clean the air guide area underneath.
	<p>The vent ducting or its openings are clogged with hair and fluff, for example.</p>

Problem solving guide

Problem	Cause and remedy
	<ul style="list-style-type: none"> ■ Check and clean all components in the vent ducting (e.g. wall pipe, external grille, bends, elbows, etc.). <p>The flow of air is insufficient (e.g. because it is installed in a small room).</p> <ul style="list-style-type: none"> ■ When drying, open a door or window to ensure sufficient ventilation. <p>The laundry has not been spun sufficiently.</p> <ul style="list-style-type: none"> ■ Make sure that your laundry is thoroughly spun at the appropriate spin speed in the washing machine. <p>The tumble dryer has been overloaded.</p> <ul style="list-style-type: none"> ■ Do not exceed the maximum load size for the drying programme selected. <p>Metallic components, e.g. zips, have prevented the tumble dryer from registering the correct laundry moisture level.</p> <ul style="list-style-type: none"> ■ Open any zips next time. ■ If the problem occurs again, dry garments with long zips using the hot air drying programme.
<p>Condensation is forming in the drum.</p>	<p>The tumble dryer is installed on a shared exhaust air duct.</p> <ul style="list-style-type: none"> ■ The tumble dryer must always be installed with a non-return flap when using a combined line. ■ Check the non-return flap for possible defects on a regular basis and replace the flap if necessary.

Contact in case of malfunction

In the event of any faults which you cannot remedy yourself, please contact your Miele Dealer or Miele Service.

Contact information for Miele Service can be found at the end of this document.

Please note that telephone calls may be monitored and recorded for training purposes and that a call-out charge will be applied to service visits where the problem could have been resolved as described in this booklet.

Please quote the model and serial number of your appliance when contacting Miele. This information can be found on the data plate.

Optional accessories

Optional accessories for this tumble dryer are available from your Miele dealer or from the Miele Customer Service Department.

Installation

Installation requirements

⚠ Risk of injury or damage to property due to improper installation.

Incorrect installation of the tumble dryer can lead to personal injury or damage to property.

The tumble dryer must only be installed and commissioned by Miele Customer Service Department or an authorised dealer.

- ▶ The tumble dryer must be installed in accordance with all relevant regulations and standards.
- ▶ The dryer must only be operated in a room that has sufficient ventilation and which is frost-free.
- ▶ The tumble dryer must not be installed behind a closeable door or a sliding door. The maximum opening angle of the tumble dryer door must not be limited by objects or doors. It must be possible to fully open the tumble dryer door at any time.

General operating conditions

This dryer is intended only for use in a commercial environment and must only be operated indoors.

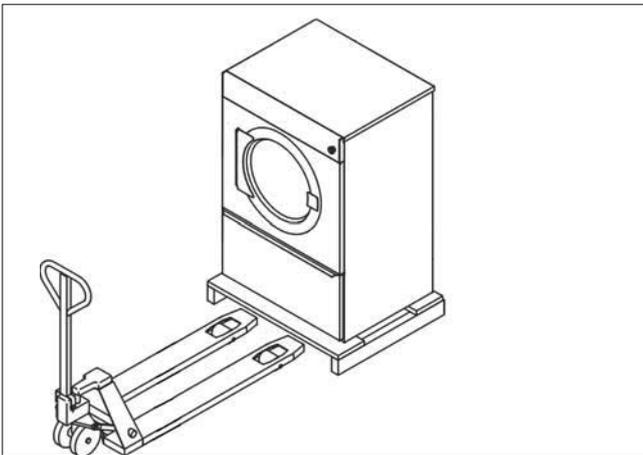
Do not install the tumble dryer in a room where there is a risk of frost.

Depending on the nature of the installation site, sound emissions and vibrations may occur.

Tip: Have the installation site inspected and seek the advice of a professional in instances where increased noise may cause a nuisance.

Transport

The tumble dryer must not be transported without a transport pallet. Suitable transport aids must always be used during transportation.

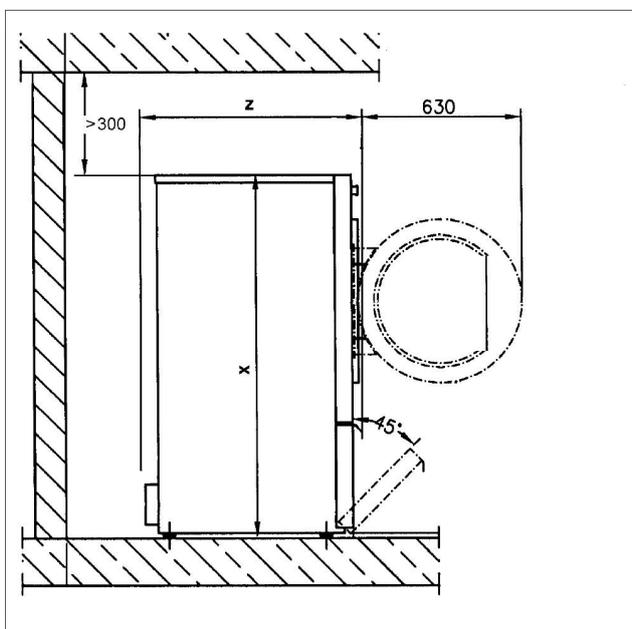
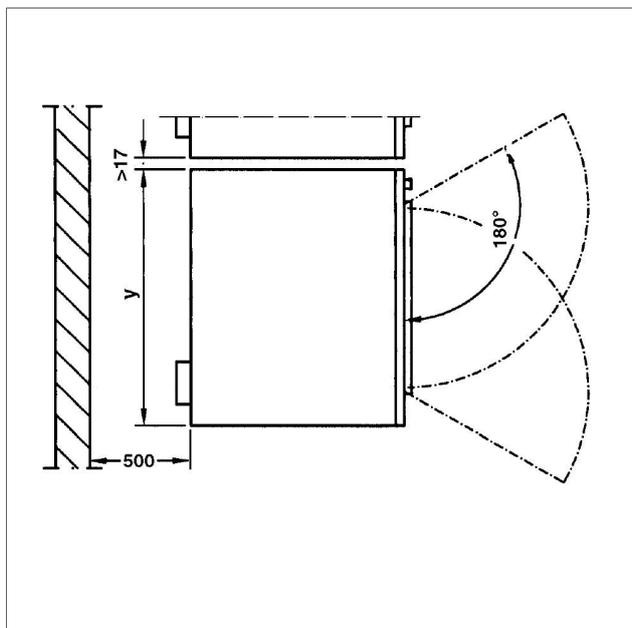


At the installation site, the tumble dryer must be lifted from the transport pallet using suitable lifting gear.

Installing the tumble dryer

- Place the tumble dryer on a perfectly level, secure and horizontal surface that is able to withstand the specified floor load.

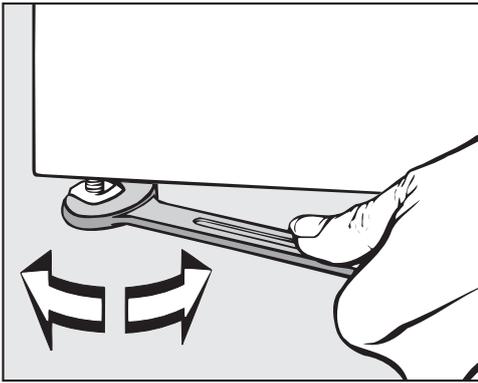
The floor load created by the tumble dryer is concentrated and transferred to the installation surface via the adjustable feet. A base is not required. However, an uneven floor surface must be compensated for.



	PDR 514/518/522/914/918/922	PDR 528/544/928/944
x	1400 mm	1640 mm
y	906 mm	1206 mm
z	PDR 514/914: 852 mm PDR 518/918: 1035 mm PDR 522/922: 1164 mm	PDR 528/928: 1018 mm PDR 544/944: 1384 mm

- To facilitate any future maintenance work, a maintenance corridor with a width of at least 500 mm must be set up behind the machine and must be accessible at all times. The distance between the machine and any walls must not fall below the specified minimum values.
- Adjust the tumble dryer adjustable feet until the machine is level. Use a spirit level to ensure correct alignment.

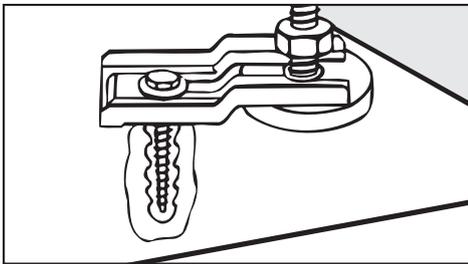
Installation



- After the machine has been aligned, screw the nuts on the adjustable feet tightly to the base plate using an open spanner.

Securing the machine

- The tumble dryer must be secured to the floor by fitting the tensioning strips supplied over the machine feet.



Fittings supplied are for bolting the machine to a concrete floor. For other types of flooring, please purchase suitable fastening materials separately.

Electrical connection

The electrical connection must be established by a qualified electrician.

- ▶ The electrical connection may only be made to an electrical system provided in accordance with all appropriate local and national legislation, regulations and guidelines. Please also observe the regulations set out by your insurance provider and energy supplier, accident prevention regulations, as well as recognised codes of practice.
- ▶ Reliable and safe operation of this tumble dryer is only ensured if it has been connected to the mains electricity supply.

The required supply voltage, power rating and fuse rating can be found on the data plate on the tumble dryer. Ensure that the supply voltage matches the voltage quoted on the data plate before establishing the electrical connection to the tumble dryer.

Connection to a supply voltage other than the one quoted on the data plate can damage the tumble dryer if the voltage is too high.

- ▶ If more than one voltage is specified on the data plate, the tumble dryer can be converted for connection to the relevant input voltage. This conversion must be performed by the Miele Customer Service Department or by an authorised dealer. During the conversion, the wiring instructions given on the wiring diagram must be followed.

Tip: We recommend connecting the tumble dryer to the power supply via a plug and socket so that it is easier to conduct electrical safety checks (e.g. during maintenance or repair work).

It is recommended the tumble dryer is connected with a suitable plug and socket in accordance with IEC 60309-1, however if the installation requires a hard-wired connection, an all-pole means of isolation must be provided on site. Switches with a minimum contact gap greater than 3 mm are suitable disconnectors. These include circuit breakers (MCB), fuses and contactors (VDE 0660) (IEC/EN 60947)

If the mains supply cannot be permanently disconnected, the isolation device (including plug and socket) must be safeguarded against being switched on either unintentionally or without authorisation.

► The tumble dryer must not be connected to devices such as timers which would switch it off automatically.

Limitations to dryer operation due to reconnecting/removing jumpers.

Modifying/removing jumpers at the heater elements in order to set lower heater ratings may result in limitations to dryer operation. Depending on the type of laundry, length of vent ducting, and outside temperature, the desired drying results may no longer be achieved. In the event of a reduction, the specified consumption data will no longer be achieved.

► If it is necessary to install a residual current device (RCD) in accordance with local regulations, a residual current device type B (sensitive to universal current) must be used.

► After installing the tumble dryer, equipotential bonding must be established. The equipotential bonding must comply with the local and national installation specifications.

Air intake/exhaust air

The tumble dryer may only be operated when the ducting has been connected properly and the room is sufficiently ventilated.

Steam connection (only for steam-heated variants)

The steam connection must only be carried out by a registered installation technician. The enclosed installation instructions must be observed as they are important for the steam connection.

Hot water connection (only for hot water-heated variants)

The hot water connection may only be carried out by a registered installation technician. The installation instructions must be observed as they are important for the hot water connection.

If a stopcock is desired, it must be fitted on site.

Gas connection (only for gas-heated variants)

The gas connection may only be carried out by a registered installation technician in accordance with the applicable national regulations.

The use of a gas socket for the supply hose is not permitted as the flow rate is too low for the specified heater rating.

The gas heating is configured at the factory in line with the gas specifications on the sticker on the rear of the appliance.

If the gas type needs to be changed, please request the appropriate conversion kit from the Miele Customer Service Department. Information is required on the appliance type, serial number, gas family, gas group, gas connection pressure and country of installation. This gas conversion may only be carried out by a registered specialist.

Installation

⚠ Risk of electric shock and injury due to using the tumble dryer without the complete casing.

If the casing is dismantled, it is possible to come into contact with live or rotating machine parts.

Once the tumble dryer has been installed, replace all the casing parts that were removed.

Pairing instructions

Follow the steps below to connect the tumble dryer to your network.

Opening the Supervisor level

- Switch on the appliance by turning the rotary control from the  position to any other position.
- Open the door of the tumble dryer.
- Press and hold the start/stop sensor control while you close the door.
- Keep pressing the start/stop sensor control until start/stop flashes and then lights up permanently.

You are now in the Supervisor level.

Establishing the local network connection via WPS

- On the supervisor level, select *PS1* using the < or > arrow buttons.
- Then select the internal communication module *-01* using the < or > arrow buttons.
- Confirm with the start/stop sensor control.
- Restart the tumble dryer by turning the rotary control to the  position.
- Switch the appliance on again by turning the rotary control from the  position to any other position.
- Press and hold the  sensor control for 4 seconds until *APP* appears on the display.
- Then press and hold the  sensor control for 2 seconds until *WPS* appears on the display.

A timer will then start.

- Press the WPS button on your router within the specified time.

The network connection via WPS is being established.

The appliance is now successfully connected.

Establishing a temporary network connection via soft AP

The network connection via soft AP is only possible if the tumble dryer is not already connected to a network.

- On the supervisor level, select *PS1* using the < or > arrow buttons.
- Then select the internal communication module *-01* using the < or > arrow buttons.
- Confirm with the start/stop sensor control.
- Restart the tumble dryer by turning the rotary control to the  position.
- Switch the appliance on again by turning the rotary control from the  position to any other position.
- Press and hold the  sensor control until *APP* appears briefly on the display.

A timer will then start. The tumble dryer now opens the soft AP for 10 minutes.

- Establish the connection with the Device Connector in Miele MOVE.

Once a connection is established, dots flash in the *A.P.P* word.

Then continue with the Device Connector in Miele MOVE.

Connectivity

Establishing the network connection using a LAN cable

The optional XKM 3200 WL PLT communication module is required for wired network connection.

- On the supervisor level, select *P91* using the < or > arrow buttons.
- Then select the COM module *-02* using the < or > arrow buttons.
- Confirm with the start/stop sensor control.
- Connect the appliance to your router/switch using the network cable. The router/switch must be connected to the Internet.

The appliance is now successfully connected.

System requirements for WiFi

- WiFi 802.11b/g/n
- 2.4 GHz band
- WPA/WPA2 encryption
- DHCP activated
- Multicast DNS / Bonjour / IGMP snooping activated
- Ports 443, 80, 53 and 5353 open
- IP DNS server = IP standard gateway/router
- Mesh/repeater use: same SSID and password as standard gateway/router
- SSID must be permanently visible

System requirements for LAN

- DHCP activated
- Multicast DNS / Bonjour / IGMP snooping activated
- Ports 443, 80, 53 and 5353 open
- IP DNS server = IP standard gateway/router

WiFi signal strength – Guide values

The WiFi signal strength is only a rough guide. These details do not provide absolute certainty.

The WiFi signal strength can be read via the MDU or directly on the appliance.

WiFi signal strength		Meaning
MDU		
76–100 %	3/3**	Generally, reliable operation possible
51–75 %	2/3	
26–50 %	1/3	Generally, operation possible
1–25 %	0/3	Generally, reliable operation not possible
0 %		Operation not possible

* Displayed on the appliance

** Number of bars  3/3–0/3

The signal strength can be adversely affected by many factors:

- People in the room
- Open or closed doors
- Moved objects

- Varying radio signal sources or interference
- Other appliances with Bluetooth or WiFi wireless technology

Terms in network technology

Access point

Access point
WiFi access point to the network, which is either integrated into the router or implemented with a separate device.
The access point acts as the interface for all WiFi-enabled units in the network, e.g. computers, smart devices and Miele appliances.

DHCP

Dynamic Host Configuration Protocol
Enables the automatic assignment of IP addresses by a DHCP server (integrated in the router) to all devices in the network (e.g. computers, printers, Miele appliances).
The individual devices must be configured for DHCP.

dLAN

direct Local Area Network
Data transmission via the electrical cables in a building.

DNS

Domain Name System
DNS servers (database systems distributed online across the world) regulate the conversion of domain names (Internet addresses) to IP addresses and vice versa.

Ethernet

Ethernet
Standardised transmission technology for wired networks with various transmission speeds (10/100/1000 Mbit/s).

IEEE

Institute of Electrical and Electronics Engineers
Global professional organisation of engineers predominantly based in electrical engineering and information technology.

Connectivity

IP address

Internet Protocol address			
<p>Each network that is connected to the Internet is assigned a globally unique IP address. The function of the IP address is the same as that of a telephone number in a telephone network.</p> <p>Due to the rapid development of the Internet, all possible IPv4 addresses have been assigned. The protocol IPv6 was introduced to cover the additional demand. Both IPv4 and IPv6 are used in parallel today.</p>			
IPv4	<p>4 blocks made up of numbers between 1 and 255, separated by points.</p> <p>A maximum of 2^{32} (approx. 4.3 billion) addresses are possible.</p> <p>Example: 173.194.0.155</p>		
IPv6	<p>8 blocks made up of 4 digits, separated by colons (hexadecimal system).</p> <p>A maximum of 2^{128} (340 sextillion) addresses are possible.</p> <p>Example: 2001:0638:a000:3501:0230:7000:c000:d76e</p>		
Subnet mask (IPv4)	<p>The subnet mask separates the network address into a network component and a device component, in the same way that a forward slash (/) separates the area code from the local telephone number.</p> <p>The network component must be the same for all devices within a network. The device component is different for each device within a network.</p> <p>There are 5 network classes (A–E). Only network class C is used for private use.</p>		
	Examples:		
	Network address	Subnet mask	Usable address range
	192.168.7.11	255.255.255.0	192.168.7.1–192.168.7.254
172.16.232.15	255.255.0.0	172.16.0.1–172.16.255.254	
Prefix length (IPv6)	Corresponds to subnet mask.		

LAN

Local Area Network
Local networks with a specific area (private homes, companies)

Multicast DNS/Bonjour (Apple)

Multicast DNS/Bonjour (Apple)
<p>Addresses all queries and responses to all appliances in the network that support this service and report with an identical name.</p> <p>Warning! This service must be explicitly permitted in many routers. Miele appliances can only exchange information with each other when this service has been permitted.</p>

Proxy server

Proxy server
Properties: <ul style="list-style-type: none">- Central access points to the Internet- Suitable for large user groups- Cache memory: data that is used frequently can be saved on the proxy server; the data is cached. This reduces the amount of data transferred.- Proxy servers are used as content filters. Unwanted or critical web content is blocked by the proxy server. Content like this is placed on a blacklist.<p>This filter works in both directions. If a user calls up a prohibited page, the proxy server will block the request. If unwanted adverts try to reach the user, the proxy server will also block these.</p>

(WiFi) router

(WiFi) router
A router connects network-enabled components. The type of data line (e.g. LAN, WiFi, dLAN) is not important. <p>Each appliance in the network is assigned a unique address by the router either manually (static) or automatically (DHCP). This unique network address is called an IP address, see Beispiel für ein WLAN .</p>

Smart device

Smart device
Mobile device, e.g. a smartphone or tablet.

Soft access point

Software-enabled access point
Software which enables a WiFi-enabled device (PC, laptop, smartphone, etc.) to work as an access point.

SSID

Service set identifier
The SSID is the name given to a WiFi network which is based on the IEEE 802.11 standard.

WEP / WPA / WPA2

Wired Equivalent Privacy / WiFi Protected Access
Security standards for WiFi networks. <p>Miele components support WPA and WPA2.</p>

WiFi

Wireless Fidelity
Brand name used for WiFi-enabled or certified devices. <p>Often used synonymously with WLAN. The term WLAN is only really used in German-speaking countries. WiFi is international.</p> <p>Miele has also been a member of the WiFi Alliance since 01.01.2019.</p>

Connectivity

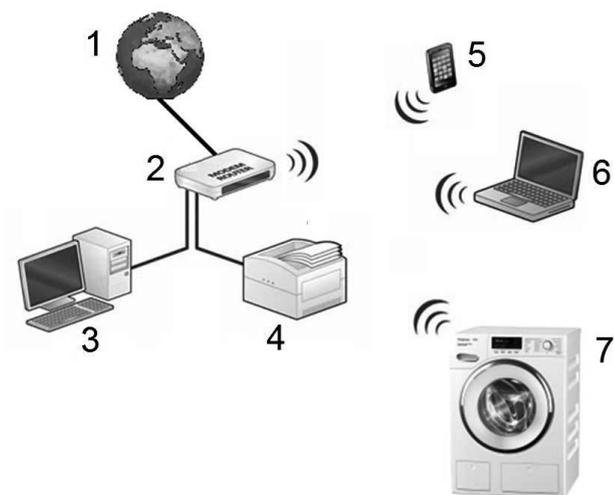
WiFi

Wireless Local Area Network	
Wireless data transmission in a network	
WiFi 802.11b	Wireless network: 2.4 GHz Data transfer: 11 Mbit/s – corresponds to approx. 1.4 MB/s in practice
WiFi 802.11g	Wireless network: 2.4 GHz Data transfer: 54 Mbit/s – corresponds to approx. 6.75 MB/s in practice
WiFi 802.11n	Wireless network: 2.4 GHz and 5 GHz Data transfer: 600 Mbit/s – corresponds to approx. 75 MB/s in practice
WiFi 802.11ac	Wireless network: 2.4 GHz and 5 GHz Data transfer: 1200 Mbit/s – corresponds to approx. 150 MB/s in practice

WPS

WiFi Protected Setup
Standard for making the process of establishing a connection with a wireless network simple.
Standard method: push-button setup If WPS is activated, the connection interface is open for 2 minutes. If WPS has been activated on another device, the devices will establish a connection independently of one another.
Security problem With a connection using WPS, the WiFi password for the router can be read out in plain text almost immediately after the connection has been established. Some router manufacturers deactivate WPS at the factory.

Example of WiFi



- 1 Internet
- 2 WiFi router = 192.168.1.1
- 3 PC = 192.168.1.2

- 4 Printer = 192.168.1.3
- 5 Smartphone = 192.168.1.4
- 6 Notebook = 192.168.1.5
- 7 Washing machine = 192.168.1.6

The router automatically gives each device an IP address (DHCP).

The IP addresses allow data to be transmitted to specific locations via the router.

Optional accessories

Communication box

The optional communication box allows external hardware from Miele and other suppliers to be connected to the Miele Professional machine. External hardware includes, e.g. payment system, peak-load system, pressure sensor or an external vent flap.

The communication box is supplied with mains voltage by the Miele Professional machine. The separately available set consists of the communication box and fasteners for installation on the machine or on the wall.

XKM 3200 WL PLT

The optional Miele communication module can be used to establish a data connection between a Miele Professional machine and a data processor in accordance with the Ethernet or WiFi standard.

This communication module fits into the communication slot which is a standard feature on all machines. The communication module offers the option of intelligent app-based communication with external systems (such as central smart payment terminals or payment systems). In addition, it can display detailed machine and programme status information.

This module forms the basis for wired communication with Miele MOVE.

It is not possible to integrate the machine into the “Miele@home” app for domestic installations.

The communication module is intended exclusively for commercial use and is supplied with mains voltage directly via the Miele Professional machine. No additional power connection is required. The Ethernet interface provided via the communication module complies with SELV (safety extra low voltage) requirements in accordance with EN 60950. Connected external machines must also comply with SELV.

Data protection and data security

When you activate the networking function and connect your machine to the Internet, your machine sends the following data to the Miele Cloud:

- Machine serial number
- Machine model and technical features
- Machine status
- Information about the software status of your machine

Initially, this data cannot be assigned to a specific user and is not saved permanently. Data cannot be saved permanently or assigned to a specific user until after you have linked your machine to a user. Data transmission and processing are governed by Miele's strict security standards.

Factory default settings for network configuration

You can reset all of the settings on the communication module or your integrated WiFi module to the factory default settings. The network configuration should be reset whenever a machine is being disposed of or sold, or if a used machine is being put into operation. This is the only way to ensure that all personal data has been removed and the previous owner will no longer be able to access the machine.

Copyright and licences

For the purpose of operating and controlling the communication module, Miele uses proprietary or third-party software that is not covered by open source licensing terms. This software/these software components are protected by copyright. The copyrights held by Miele and third parties must be respected.

Furthermore, this communication module contains software components which are distributed under open source licence conditions. The open source components contained in the machine along with the corresponding copyright notices, copies of the licensing terms valid at the time and any further information can be accessed locally by IP using a web browser (<https://<IP address>/Licenses>). The liability and warranty arrangements for the open source licences displayed in this location only apply in relation to the respective rights holders.

Payment systems

This tumble dryer can be fitted with a payment system (optional Miele accessory). In this case, a Miele Customer Service technician must programme the relevant settings in the tumble dryer's electronics and connect the payment system.

The Miele Connector Box accessory unit or the COM module is required to connect a payment device.

Original spare parts and accessories

Miele will guarantee to supply functional spare parts for up to 15 years following the discontinuation of your appliance (this does not apply to digital products or products for process documentation). In many cases, genuine Miele spare parts are available for much longer. Miele appliances are highly durable due to their excellent quality. If, however, repair work does become necessary, key functional spare parts will remain available for up to 15 years following discontinuation (this does not apply to digital products or products for process documentation).

Contact the Miele Customer Service Department if you need spare parts and accessories or would like personalised advice.

 Danger due to improperly performed service and repair work.

Service and repair work should only be carried out by a suitably qualified electrician in accordance with all appropriate safety requirements.

Servicing, modification, testing and maintenance of electrical appliances must be carried out in accordance with all appropriate legal requirements, accident prevention regulations and valid standards.

All live wires must be safely disconnected before any maintenance or repair work is commenced on the appliance.

Technical data

Technical data

	PDR 514	PDR 518	PDR 522	PDR 528	PDR 544
Height	1400 mm	1400 mm	1400 mm	1640 mm	1640 mm
Width	906 mm	906 mm	906 mm	1206 mm	1206 mm
Depth	852 mm	1035 mm	1162 mm	1019 mm	1385 mm
Depth with door open	1456 mm	1639 mm	1768 mm	1623 mm	1989 mm
Drum volume	250 l	325 l	400 l	500 l	800 l
Maximum load size (dry weight)	14 kg	18 kg	22 kg	28 kg	44 kg
Supply voltage					See data plate
Fuse rating (on site)					See data plate
Power rating					See data plate
Test certifications awarded					See data plate
Product safety standard	EN/IEC 60335-1; EN 50570; IEC 60335-2-11				
Sound pressure level, EN ISO 11204					< 70 dB(A)
Sound power level, EN ISO 9614-2					< 80 dB(A)
Frequency range					2.4000–2.4835 GHz
Maximum transmission power					< 100 mW

EU declaration of conformity

Miele hereby declares that this PT 013 tumble dryer complies with Directive 2014/53/EU. The complete text of the EU declaration of conformity is available from one of the following Internet addresses:

- Under “Products”, “Download” at www.miele.de/professional/index.htm
- Or go to <http://www.miele.de/professional/gebrauchsanweisungen-177.htm> and enter the name of the product or the serial number

UK declaration of conformity

UKCA mark (UK only) The Supply of Machinery (Safety) Regulations 2008

This **Statement of Compliance** confirms this Miele product fully complies with the **Product Security and Telecommunications Infrastructure (Security Requirements for Relevant Connectable Products) Regulations 2023**.

- 1) Professional Appliance – *Tumble Dryer, commercial PT011, PT012, PT016, PT018*
- 2) Manufactured by: Miele & Cie KG, *PT013, PT014, PT015, PT017*
Carl Miele Street 29, 33332 Gutersloh Germany
Imported by and contact point: Miele Company Ltd, Fairacres, Marcham Road, Abingdon, Oxon, OX14 ITW Great Britain
- 3) The defined support period at the time of first supply is 10 years
- 4) To report vulnerabilities and cybersecurity issues please contact: psirt@miele.com
- 5) Signature 
Name: **Paul Wright**
Company Position: **Head of Technical Management**
Date of signature: **19th March 2024**
Place of signature: **Abingdon, Oxfordshire**

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