Miele

Operating and installation instructions
Commercial tumble dryer
PDR 510 EL
Electrically heated

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. 12 423 001

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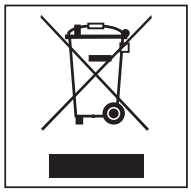
Disposal of the packing material

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 appliance

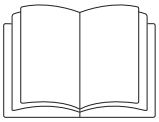
Old electrical and electronic appliances often contain valuable materials. However, they also contain harmful substances which were essential for their correct functioning and safety. These could be hazardous to human health and to the environment if disposed of with general waste or if handled incorrectly.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



Instead, please make use of officially designated collection and disposal points to dispose of and recycle electrical and electronic appliances in your local community. Consult your dealer.

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

Warning and Safety instructions



▶ 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

This tumble dryer complies with current safety requirements. Inappropriate use can, however, lead to personal injury and damage to property.

It is essential to read these operating instructions before using the tumble dryer for the first time. They contain important information for your safety, as well as information on using and maintaining the tumble dryer. This prevents both personal injury and damage to the machine.

▶ 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.

▶ The tumble dryer must not be used in a non-stationary location (e.g. on a ship).

▶ 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.

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.

▶ Benzine, 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.

▶ Danger of squashing or cutting fingers etc. around the drum door hinges and the fluff filter cover. Use the appropriate handles and release catches only.

▶ Always make sure that the drum is stationary before reaching in to remove laundry. Do not touch the drum whilst it is still rotating.

▶ 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.

Technical safety

▶ This tumble dryer must only be set up and commissioned by a Miele Service technician or authorised Miele Service Dealer.

▶ Before installation check the tumble dryer for any obvious damage. A damaged tumble dryer must not be installed and/or used.

▶ Do not make any alterations to the tumble dryer, unless authorised to do so by Miele.

▶ Do not connect the tumble dryer to the power supply by an extension lead (fire hazard due to overheating).

▶ Do not operate the tumble dryer in a room where cleaning machines operate with solvents containing CFCs. During combustion, any vapours that are emitted will break down into hydrochloric acid, leading to consequential damage affecting laundry and the machine. Air exchange must not take place between rooms if machines are set up in separate rooms.

▶ 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 met. If in any doubt, please have the on-site wiring system tested by a qualified electrician. Miele cannot be held liable for the consequences of an inadequate earthing system (e.g. electric shock).

▶ The tumble dryer is only electrically disconnected from the power supply, if

- the plug has been disconnected from the socket.
- it is switched off at the main switch, or the mains electrical fuse is disconnected (on site).

▶ 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.

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

▶ Tumble dryers with damage to the control panel or wire insulation must not be used until they have been repaired.

▶ 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.

▶ 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.

▶ Only operate the tumble dryer when all removable outer panels are in place so that it is impossible to touch an electrical component or moving part.

▶ During the drying process, the door glass and the frame around the drum door will get hot. Please be aware that the laundry may also be hot if it is removed from the tumble dryer before the end of the drying programme.

▶ The tumble dryer must be serviced in a timely and professional manner. Otherwise, there is a potential risk of loss in performance, faults and fire.

▶ In the event of a fault, when replacing components 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.

▶ If the heater element malfunctions, accessible parts can get very hot.

▶ 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".

▶ Only allow clean, fresh air to be fed into the tumble dryer. Air entering the machine must not contain vapours with chlorine, fluorine or other solvents.

▶ 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.

▶ Follow the instructions in “Installation of the ducting”.

▶ 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.

▶ This tumble dryer is supplied with a special lamp to cope with particular conditions (e.g. temperature, moisture, chemical resistance, abrasion resistance and vibration). This special lamp must only be used for the purpose for which it is intended. It is not suitable for room lighting. Replacement lamps may only be fitted by a Miele authorised technician or by the Miele Customer Service Department.

Correct use

▶ Do not damage, remove or bypass the safety features and control elements of the tumble dryer.

▶ 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.

▶ Do not use a pressure washer or water jet to clean 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.

▶ 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.

▶ 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.

▶ Remove all items from the pockets of the laundry to be dried (e.g. lighters, matches, keys).

▶ 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.

▶ 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.

▶ 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.

▶ Benzine, 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.

▶ 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.

▶ The tumble dryer can also be combined with a Miele washing machine in a washer-dryer stack. The appropriate "WTV" stacking kit (available to order) to match your dryer is required.

▶ Make sure that you order the correct plinth for this tumble dryer (available from Miele as an optional accessory).

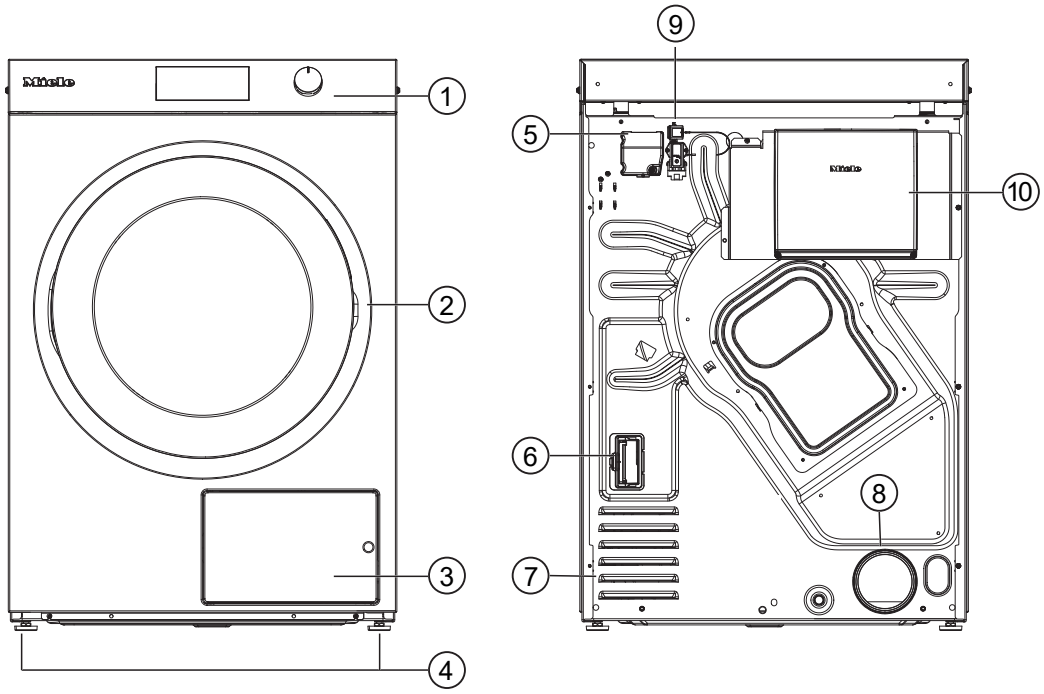
⚠ Miele cannot be held liable for damage caused by non-compliance with these Warning and Safety instructions.

Decommissioning the tumble dryer

▶ Before disposing of a tumble dryer, render the door lock inoperable so that children cannot lock themselves in the machine by mistake and endanger their lives.

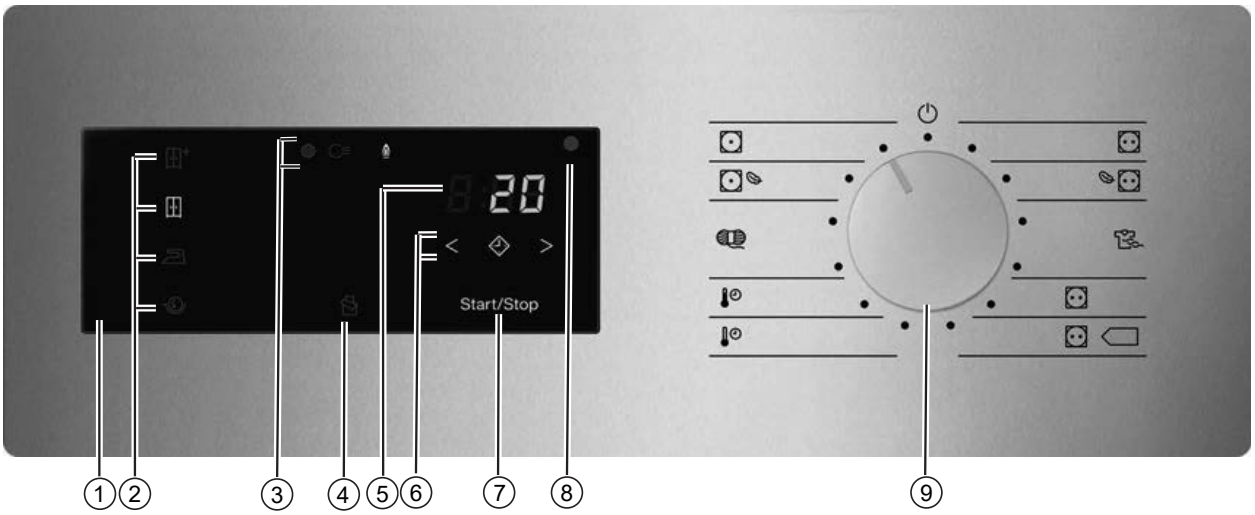
Description of the machine

PDR 510 (electrically heated)



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 Ø 100 mm
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.

⑤ **Time display** *8:88*
Displays messages or 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 or cancelling a programme once it has started. The programme selected can be started as soon as the sensor control starts pulsating.

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 = “Cupbo. Dry +”
- sensor control = “Cupboard Dry”
- 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

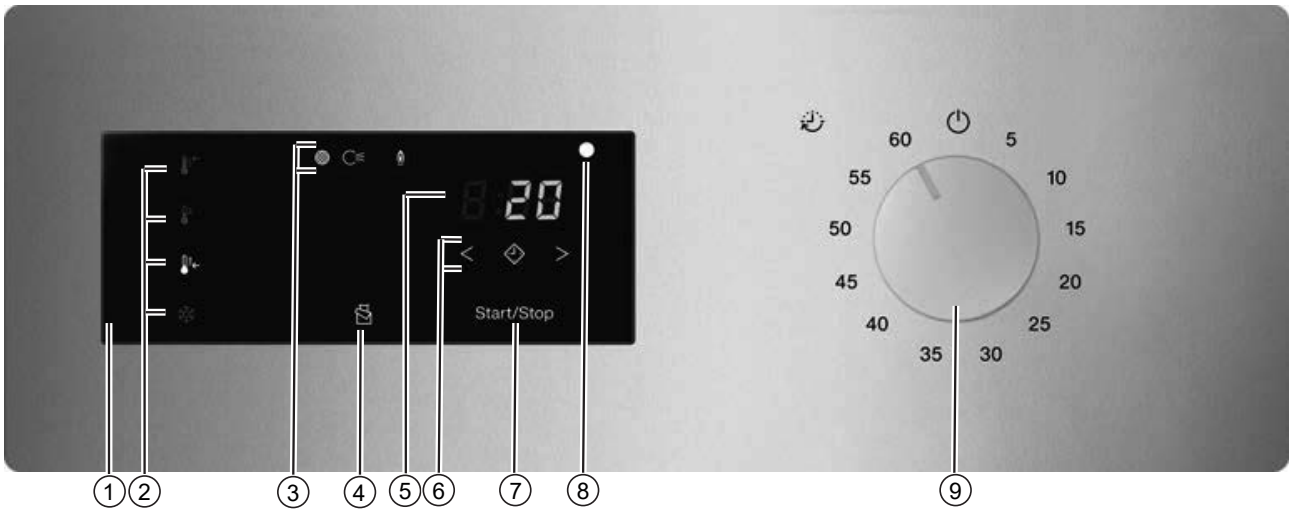
  For drying synthetic fibres and artificial silk to 20 % residual moisture.
- PRO position = “Label programme” programme
- position = “Label programme” programme
- position = “Timed drying cool air” programme

  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.

⑤ **Time display** *8:88*
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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 or cancelling a programme once it has started. The programme selected can be started as soon as the sensor control starts pulsating.

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.

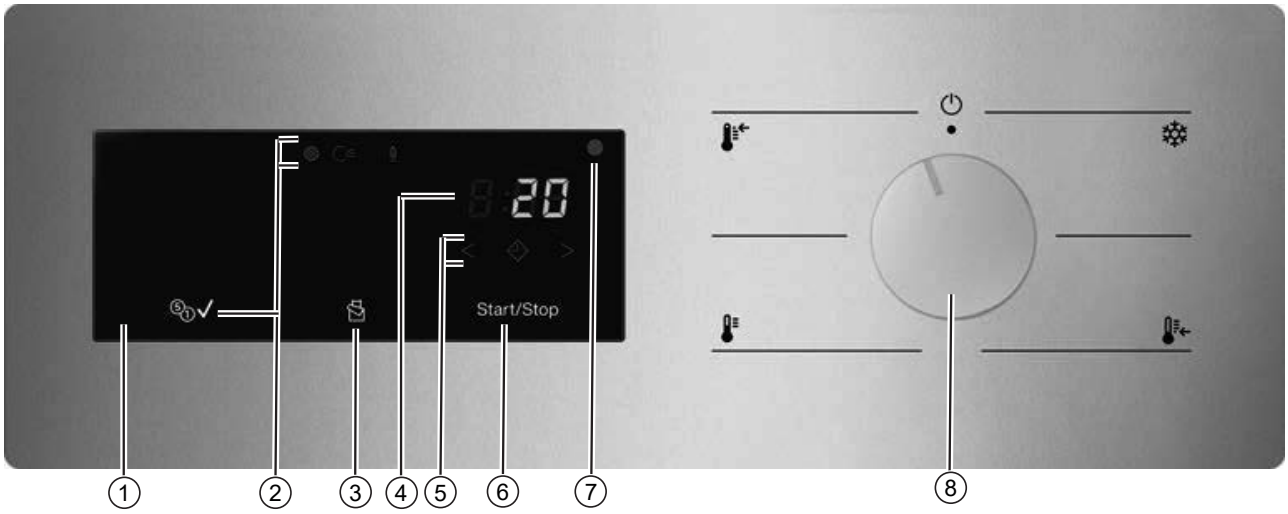
Drying levels (TOP)

- sensor control = “high” temperature setting
- sensor control = “medium” temperature setting
- sensor control = “low” temperature setting
- sensor control = “cool” temperature setting

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.

④ **Time display** *8:88*
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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 or cancelling a programme once it has started. The programme selected can be started as soon as the sensor control starts pulsating.

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.

- 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 = “Cupbo. Dry +”
- sensor control = “Cupboard Dry”
- 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

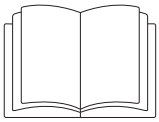
- sensor control = “high” temperature setting
- sensor control = “medium” temperature setting
- sensor control = “low” temperature setting
- sensor control = “cool” temperature setting

Indicators

- indicator light: lights up when the fluff filter needs to be cleaned.
- indicator light: lights up if a fault is present in the ducting.
- indicator light (machines with payment system only): lights up when payment has been made.
- Time display *8:88*: displays messages or the remaining programme running time in hours and minutes. With most drying 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.

Overview of messages in the time display

- -0- = Programme change not possible. Displayed when the programme selector is turned to another drying programme while the drying programme is running.
- ⌊ ⁻ ⌋ (rotating) =
  - The drying programme has been started and will begin in a few seconds.
  - The external exhaust valve is opened while the drying programme is running.
  - The laundry is cooled down after tumble drying.
- II = Drying programme stopped after interruption of energy supply. The drying programme that was originally started was interrupted before the end of the programme (e.g. by switching off the tumble dryer). The drying programme can be resumed by touching the pulsating sensor control Start/Stop.
- 0-o (key) = Drying programme locked
- APP = Set up WiFi or local access point.
- A.PP = Set up WiFi via soft AP (= software access point).
- UPP = Set up WiFi via WPS.
- Con = Connection successfully established
- noC = Connection not successful
- UP = Update available
- h = Peak load active (only if electrically heated tumble dryers are connected to an energy management system)
- PAY (only for operation with optional payment device) = prompts for payment or additional payment if the paid time has expired.



⚠ 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.
Connect the tumble dryer correctly.
Please observe 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.

These settings are also described under “Supervisor level”.

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 laundry into the tumble dryer

Textiles may be damaged.
Before loading, read chapter “1. Notes on correct laundry care” first.

- Open the door.

■ Load laundry into the tumble dryer.

Risk of damage with 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.

Do not overload the drum. Overloading can cause unnecessary wear and tear to the laundry and cause a disappointing drying result. It can also cause more creasing.

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 countdown

- 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.

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.

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.

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 everything from the drum.

Items left in the tumble dryer could be damaged by overdrying when the tumble dryer is used the next time.
Always remove all items from the drum.

■ To switch off the tumble dryer, turn the rotary control to the ⏻ position.

Care notes

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

Programme overview

“Label” programme package

Programme name	Suitable fabrics	Selectable drying levels (residual moisture in %)	Activatable extras	Load size
Cottons	Cotton items with normal residual moisture	- Machine iron (40 %) - Hand iron (25 %) - Normal (0 %) - Normal plus (-2 %)	- Anti-crease*	10 kg
Cottons PRO	Cotton items with normal residual moisture	- Machine iron (40 %) - Hand iron (25 %) - Normal (0 %) - Normal plus (-2 %)	- Anti-crease*	

* If the extra is activated in the programmable function at supervisor level.

“Standard” programme package

Programme name	Suitable fabrics	Selectable drying levels (residual moisture in %)	Activatable extras	Load size
Cottons	Single and multi-layer cotton/linen items	- Machine iron (40 %) - Hand iron (25 %) - Cupboard Dry (0 %) - Cupboard Dry plus (-2 %)	- *Anti-crease	10 kg
Minimum iron	Minimum iron fabrics made of synthetic, cotton or mixed fibre	- Hand iron (20 %) - Cupboard Dry (2 %) - Cupboard Dry plus (0 %)	- Anti-crease*	4 kg
Woollens	Woollen items	-	-	2 kg
Delicates	Delicate synthetic, cotton or mixed fibre fabrics	- Hand iron (20 %) - Cupboard Dry (2 %) - Cupboard Dry plus (0 %)	- Anti-crease*	
Timed drying cool air	Fabrics that need airing	-	- Anti-crease*	4 kg
Timed drying warm air	For drying small loads or for airing individual items	-	- Anti-crease*	
Cottons Low temperature	For drying small loads or for airing individual items	- Machine iron (40 %) - Hand iron (25 %) - Cupboard Dry (0 %) - Cupboard Dry plus (-2 %)	- Anti-crease*	
Minimum iron Low temperature	Items suitable for tumble drying for which mechanical stress should be avoided.	- Hand iron (20 %) - Cupboard Dry (2 %) - Cupboard Dry plus (0 %)	- Anti-crease*	

* If the extra is activated in the programmable function at supervisor level.

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 turn the programme selector while the drying programme is running, *-0-* appears in the time display. *-0-* disappears when you turn the programme selector back to 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, *0:00* will light up.

- Open the door.

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.

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.

Programme	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 & time in/ex 1 Heater bank temperature	01–20	11	See "Heater bank temperature" table
P04	Cottons & time in/ex 1 Process air temperature	00–36	36	See "Process air temperature" table
P05	Cottons & time in/ex 1 Drive running time in primary direction	01–52	22	See "Reversing times" tables
P06	Cottons & time in/ex 1 Drive running time in reverse direction	01–16	01	See "Reversing times" tables
P07	Cottons & time in/ex 1 Drive pause time	01–14	02	See "Pauses" table
P08	Cottons & time in/ex 2 Heater bank temperature	01–20	11	See "Heater bank temperature" table

Supervisor level (programming mode)

Pro-gramme	Designation	Possible set value	Standard setting	Explanation
P09	Cottons & time in/ex 2 Process air temperature	00–36	26	See “Process air temperature” table
P10	Cottons & time in/ex 2 Drive running time in primary direction	01–52	22	See “Reversing times” tables
P11	Cottons & time in/ex 2 Drive running time in reverse direction	01–16	01	See “Reversing times” tables
P12	Cottons & time in/ex 2 Drive pause time	01–14	02	See “Pauses” table
P13	Synthetics/Delicates & time in/ex 3 Heater bank temperature	01–20	08	See “Heater bank temperature” table
P14	Synthetics/Delicates & time in/ex 3 Process air temperature	00–36	16	See “Process air temperature” table
P15	Synthetics/Delicates & time in/ex 3 Drive running time in primary direction	01–52	10	See “Reversing times” tables
P16	Synthetics/Delicates & time in/ex 3 Drive running time in reverse direction	01–16	01	See “Reversing times” tables
P17	Synthetics/Delicates & time in/ex 3 Drive pause time	01–14	02	See “Pauses” table
P18	PRO & time internal/external 4 Heater bank temperature	01–20	19	See “Heater bank temperature” table
P19	PRO & time internal/external 4 Process air temperature	00–36	ROP: 36 TOP/COP: 00	See “Process air temperature” table
P20	PRO & time internal/external 4 Drive running time in primary direction	01–52	28	See “Reversing times” tables
P21	PRO & time internal/external 4 Drive running time in reverse direction	01–16	01	See “Reversing times” tables
P22	PRO & time internal/external 4 Drive pause time	01–14	02	See “Pauses” table
P23	Label Heater bank temperature	01–20	19	See “Heater bank temperature” table
P24	Label Process air temperature	00–36	36	See “Process air temperature” table
P25	Label Drum drive primary direction	01–52	22	See “Reversing times” tables
P26	Label Drum drive reverse direction	01–16	01	See “Reversing times” tables
P27	Label Drum drive pause	01–14	02	See “Pauses” table
P28	Time cold Drum drive primary direction	01–52	28	See “Reversing times” tables
P29	Time cold Drum drive reverse direction	01–16	01	See “Reversing times” tables
P30	Time cold Drum drive pause	01–14	02	See “Pauses” table
P31	Timed drying warm air Heater bank temperature	01–20	19	See “Heater bank temperature” table

Pro-gramme	Designation	Possible set value	Standard setting	Explanation
P32	Timed drying warm air Process air temperature	00–36	36	See “Process air temperature” table
P33	Timed drying warm air Drum drive primary direction	01–52	22	See “Reversing times” tables
P34	Timed drying warm air Drum drive reverse direction	01–16	01	See “Reversing times” tables
P35	Timed drying warm air Drum drive pause	01–14	02	See “Pauses” table
P36	Woollens Heater bank temperature	01–20	19	See “Heater bank temperature” table
P37	Woollens Process air temperature	00–36	36	See “Process air temperature” table
P38	Woollens Drive running time in primary direction	01–52	16	See “Reversing times” tables
P39	Woollens Drive running time in reverse direction	01–16	01	See “Reversing times” tables
P40	Woollens Drive pause time	01–14	04	See “Pauses” table
P41	Minimum iron Gentle Heater bank temperature	01–20	06	See “Heater bank temperature” table
P42	Minimum iron Gentle Process air temperature	00–36	16	See “Process air temperature” table
P43	Minimum iron Gentle Drive running time in primary direction	01–52	22	See “Reversing times” tables
P44	Minimum iron Gentle Drive running time in reverse direction	01–16	01	See “Reversing times” tables
P45	Minimum iron Gentle Drive pause time	01–14	02	See “Pauses” table
P46	Minimum iron Heater bank temperature	01–20	11	See “Heater bank temperature” table
P47	Minimum iron Process air temperature	00–36	26	See “Process air temperature” table
P48	Minimum iron Drive running time in primary direction	01–52	22	See “Reversing times” tables
P49	Minimum iron Drive running time in reverse direction	01–16	01	See “Reversing times” tables
P50	Minimum iron Drive pause time	01–14	02	See “Pauses” table
P55	End tone	00 01 02	01	00 = Off 01 = Normal 02 = Loud
P56	Buttons tone	00 01 02	01	00 = Off 01 = Normal 02 = Loud
P57	Greeting tone	00 01 02	01	00 = Off 01 = Normal 02 = Loud

Supervisor level (programming mode)

Pro-gramme	Designation	Possible set value	Standard setting	Explanation
P58	Fault tone	00 01	00	00 = Off 01 = On
P59	Display 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	7-segment display brightness	01 02 03 04 05 06 07 08 09 10 11 12 13 14 15	07	Seven-segment display brightness
P62	Indicator switch-off behaviour	00 01 02 03 04	04	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	Appliance switch-off behaviour	00 01 02 03	01	00 = No switch off 01 = After 15 minutes 02 = After 20 minutes 03 = After 30 minutes
P65	Extended cooling down	00 01	01	00 = Off 01 = On

Pro-gramme	Designation	Possible set value	Standard setting	Explanation
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 filters	00–55	55	00 = Off xx = xx h 55 = 55 h
P71	Delay start	00 01	01	00 = Off 01 = On
P74	Programme continued after door is opened	00 01	00	00 = Off = programme cancelled when door is opened 01 = On = programme interrupted when door is opened
P78	Payment system lock	00 01 02 03 04 05 06	00	00 = No lock 01 = Immediately after start 02 = After 1 minute 03 = After 2 minutes 04 =After 3 minutes 05 =After 4 minutes 06 =After 5 minutes

Supervisor level (programming mode)

Pro-gramme	Designation	Possible set value	Standard setting	Explanation
P85	Pressure sensor	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	70 °C/158 °F
02	75 °C/167 °F
03	80 °C/176 °F
04	85 °C/185 °F
05	90 °C/194 °F
06	95 °C/203 °F
07	100 °C/212 °F
08	105 °C/221 °F
09	110 °C/230 °F
10	115 °C/239 °F
11	120 °C/248 °F
12	125 °C/257 °F
13	130 °C/266 °F
14	135 °C/275 °F
15	140 °C/284 °F
16	145 °C/293 °F
17	150 °C/302 °F
18	155 °C/311 °F
19	160 °C/320 °F
20	165 °C/329 °F

Process air temperature

Set value in the display	Temperature
00	0 °C/32 °F
01	30 °C/86 °F
02	31 °C/88 °F

Set value in the display	Temperature
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

Reversing times

Set value in the display	Seconds
01	15 s
02	20 s
03	25 s
04	30 s
05	35 s
06	40 s
07	45 s

Supervisor level (programming mode)

Set value in the display	Seconds
08	50 s
09	55 s
10	60 s
11	65 s
12	70 s
13	75 s
14	80 s
15	85 s
16	90 s
17	95 s
18	100 s
19	105 s
20	110 s
21	115 s
22	120 s
23	125 s
24	130 s
25	135 s
26	140 s
27	145 s
28	150 s
29	155 s
30	160 s
31	165 s
32	170 s
33	175 s
34	180 s
35	185 s
36	190 s
37	195 s
38	200 s
39	205 s
40	210 s
41	215 s
42	220 s
43	225 s
44	230 s
45	235 s
46	240 s
47	245 s
48	250 s
49	255 s
50	260 s
51	265 s

Set value in the display	Seconds
52	270 s
53	275 s
54	280 s
55	285 s
56	290 s
57	295 s
58	300 s

Pauses

Set value	Seconds
01	2 s
02	3 s
03	4 s
04	5 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.

Connectivity

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 *P91* 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 *UPS* 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 (software access point) is only possible if the tumble dryer is not already connected to a network.

- On the supervisor level, select *P91* using the < or > sensor controls.
- Then select the internal communication module *-01* using the < or > sensor controls.
- 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.

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.

Technical data

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

Connectivity

- Open or closed doors
- Moved objects
- Varying radio signal sources or interference
- Other appliances with Bluetooth or WiFi wireless technology

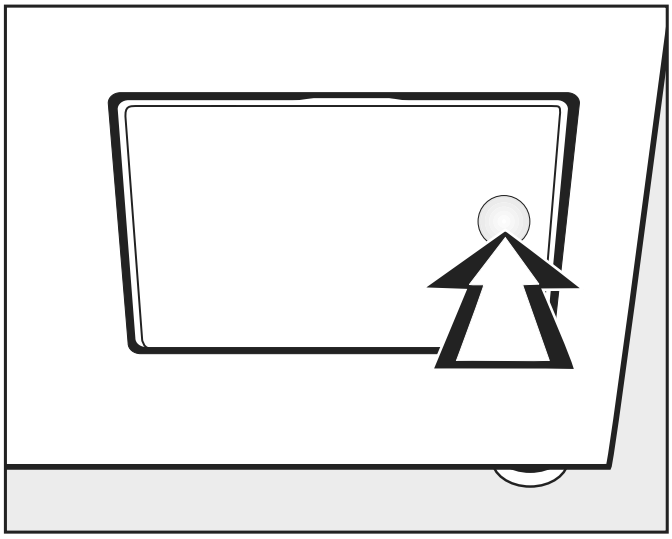
Cleaning the fluff filter

A two-part fluff filter in the air supply area collects fluff released by textiles. Remove and dismantle the fluff filter for cleaning.

Check and clean the fluff filter at the latest when the *Clean out air-ways* message appears.

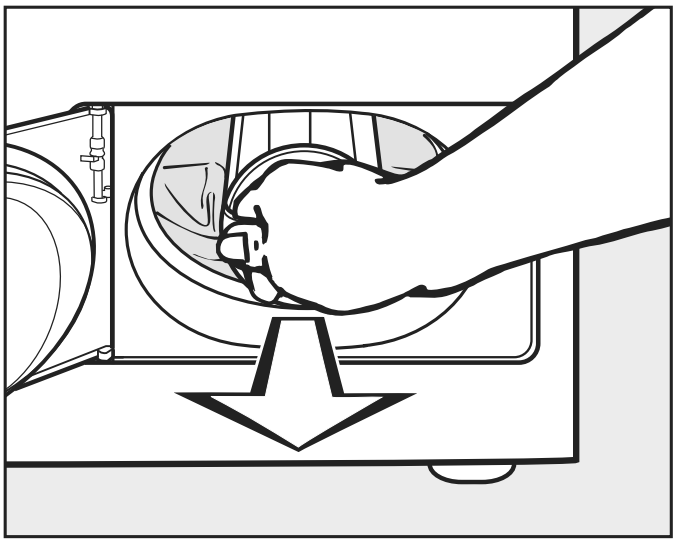
Tip: You can also use a vacuum cleaner so that you can remove the fluff without touching it.

Removing the fluff filter



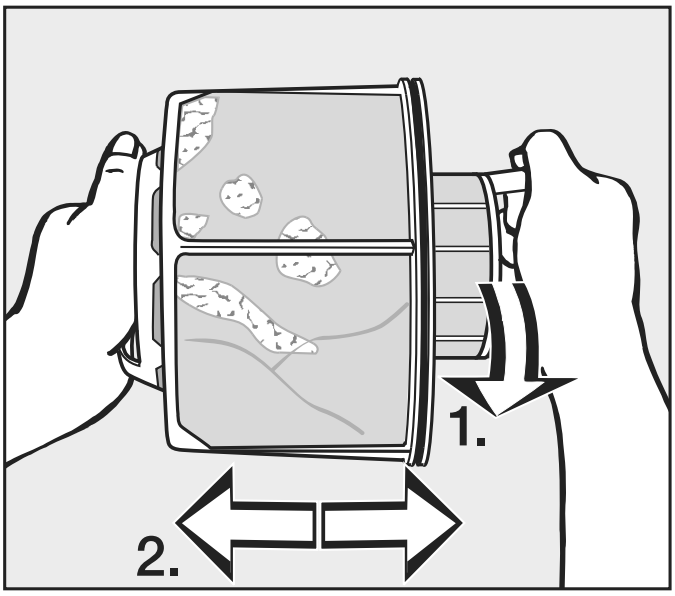
- To open, press against the right side of the fluff filter flap.

When pulling out the fluff filter, do not rotate the handle (see below) as this will dismantle the filter.



- Use the handle to pull out the fluff filter.

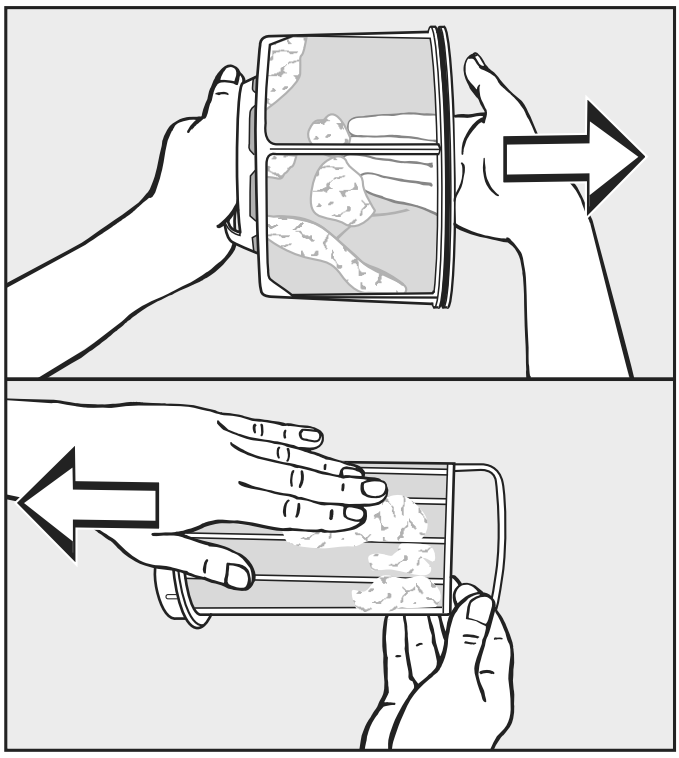
Dismantling the fluff filter



- Hold the fluff filter by the handles.

1. Rotate the inner part of the fluff filter (1).
2. Pull the two parts of the fluff filter apart (2).

Cleaning the fluff filter parts (dry)



- Shake out the fluff and/or pick it off with your fingers.

Cleaning the fluff filter parts (wet)

- Only clean the fluff filter parts under warm running water if there is a lot of compacted fluff on them.

Dry the fluff filter parts before reassembling them. A wet fluff filter could cause operational faults while drying.

Inserting the fluff filter

If there is a lot of visible fluff, clean the air supply area before reinserting the cleaned fluff filter. See next page.

- Insert the inner fluff filter part into the outer part.
- Turn the inner part of the fluff filter clockwise slightly until you feel it engage.
- Hold the fluff filter by its handle and push it as far as it will go into the lower air supply area.

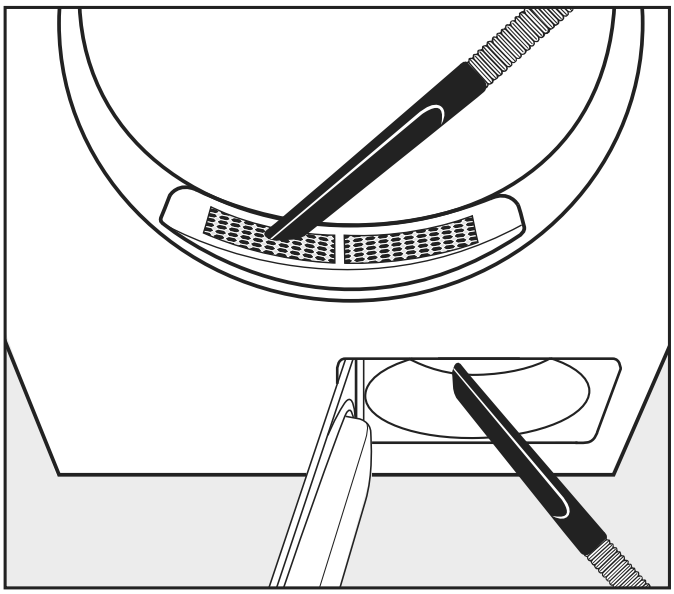
Do not rotate the handle as this will dismantle the filter.

- Close the fluff filter flap.

Cleaning the air supply area

Check the air supply area from time to time and clean it if there is a lot of fluff present.

Rapid cleaning



- Use a vacuum cleaner to remove fluff.
- From cover in door area (top).
- From air supply area in front of the fan impeller (bottom) after first removing and cleaning the fluff filter.

Additional cleaning

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.

⚠ 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.

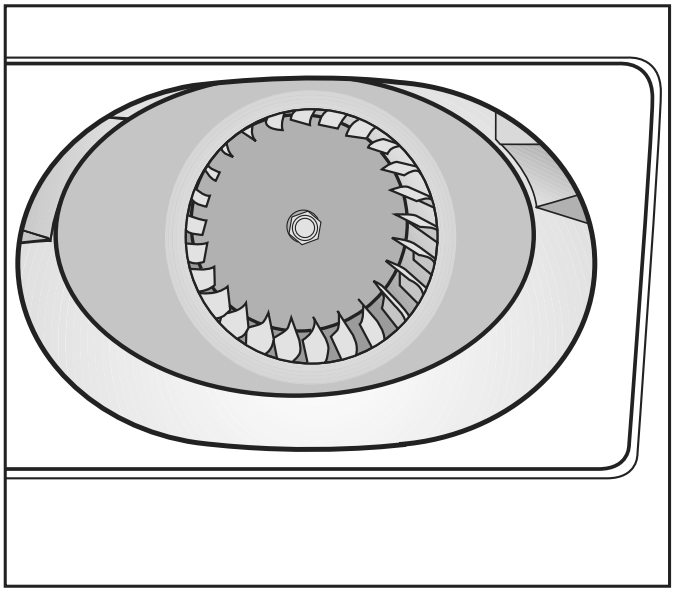
- Clean the seal around the inside of the door with a damp cloth.
- The tumble dryer drum must be wiped clean with a soft, damp cloth after drying items that have been starched.
- Dry all parts with a soft cloth.
- The drum and other stainless steel parts can be cleaned with a suitable stainless steel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

Fan impeller

The fan impeller behind the fluff filter flap may be soiled with detergent residues and fluff.

Check the fan impeller from time to time and clean it if it is heavily soiled.



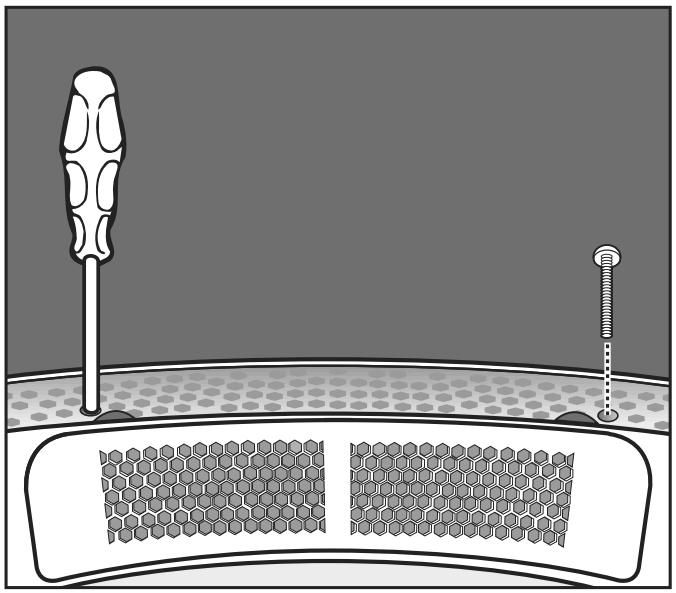
- Using a damp cleaning cloth, carefully remove the coating on the fan impeller.
- Also clean the area in front of the fan impeller.
- Use a vacuum cleaner to remove fluff.
- Remove any fluff from the inside of the open fluff filter flap and the sealing element. Be careful not to damage the sealing element.

Cover in door area

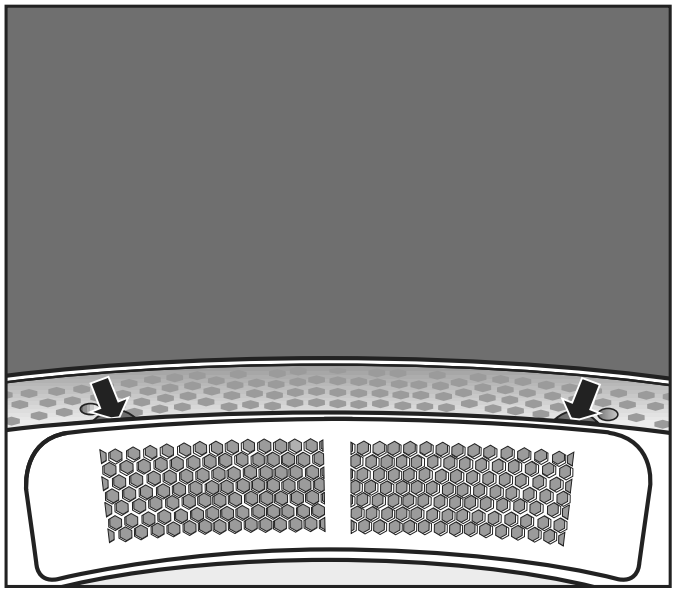
Only remove the cover in the door area in the event of a major blockage.

Removing the cover

- Look in the drum.



- Underneath the cover on the left and right, unscrew the Torx screws through the round holes.



- Reach under the edge of the cover (see arrows) and lift off the cover.
- Clean the air supply area underneath the cover with a vacuum cleaner.
- Clean the cover.
- Clean the air supply area in front of the fan impeller (open the fluff filter flap).

Refitting

- Carefully position the cover on the left or right side of the opening.
- Press down the cover until it engages on the opposite side.

Securing the cover

- Look in the drum.

- Underneath the cover on the left and right, screw in the Torx screws through the round holes.

Fault diagnosis

Message	Cause and remedy
The display remains dark.	There is no power to the tumble dryer. ■ Check the mains plug, main switch and fuses (on site).
The // symbol appears in the time display after the tumble dryer is switched on. The Start/Stop sensor control pulsates.	The drying programme in progress was cancelled due to an interruption to the energy supply or by turning the programme selector to the ⏻ position. ■ Touch the pulsating sensor control Start/Stop. The drying programme is resumed.

Problem	Cause and remedy
The efficiency of the tumble dryer decreases.	The tumble dryer's fluff filter is soiled. ■ Check the tumble dryer's fluff filter for soiling and clean it.
	Insufficient ventilation ■ Make sure that the air intake vent and the tumble dryer ducting are not covered or blocked by objects.
	Room temperature too high (>40 °C) ■ Ensure adequate ventilation of the installation site. ■ Connect the tumble dryer to external air intake ducting and vent ducting.
Feather-filled pillows smell after drying.	Feathers tend to develop a build-up of their own smell or smells from other sources when they are heated. ■ Smells can be reduced through natural ventilation after drying.
Items made of synthetic fibres are charged with static electricity after drying.	Synthetic fibres tend to attract static charge. ■ Static charge can be reduced by adding a fabric softener to the final rinse in the washing programme.
Fluff builds up during drying.	Fluff is principally the result of friction when garments are being worn and to some extent when they are being washed. Tumble drying hardly causes any fluff to form. Fluff is collected by the fluff filter and can be removed easily. ■ See "Cleaning and care".
The drying process goes on too long or even switches off.	You are prompted to clean the air guide area. ■ Please check all the possible causes described below.
	The fluff filter is clogged with fluff. ■ Remove the fluff.
	The air guide area is clogged with hair and fluff, for example. ■ Clean the air guide area. ■ To clean the air guide area under the door opening, remove the cover.
	The vent ducting or its openings are clogged with hair and fluff, for example.

Problem solving guide

Problem	Cause and remedy
	■ Check and clean all components in the vent ducting (e.g. wall pipe, external grille, bends, elbows, etc.).
	The flow of air is insufficient (e.g. because it is installed in a small room). ■ When drying, open a door or window to ensure sufficient ventilation.
	The laundry has not been spun sufficiently. ■ Make sure that your laundry is thoroughly spun at the appropriate spin speed in the washing machine.
	The tumble dryer has been overloaded. ■ Do not exceed the maximum load size for the drying programme selected.
	Metal zips can prevent the tumble dryer from registering the correct laundry moisture content. ■ Open any zips next time. ■ If the problem occurs again, dry garments with long zips using the hot air drying programme.
Condensation is forming in the drum.	The tumble dryer is installed on a shared exhaust air duct. ■ 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.

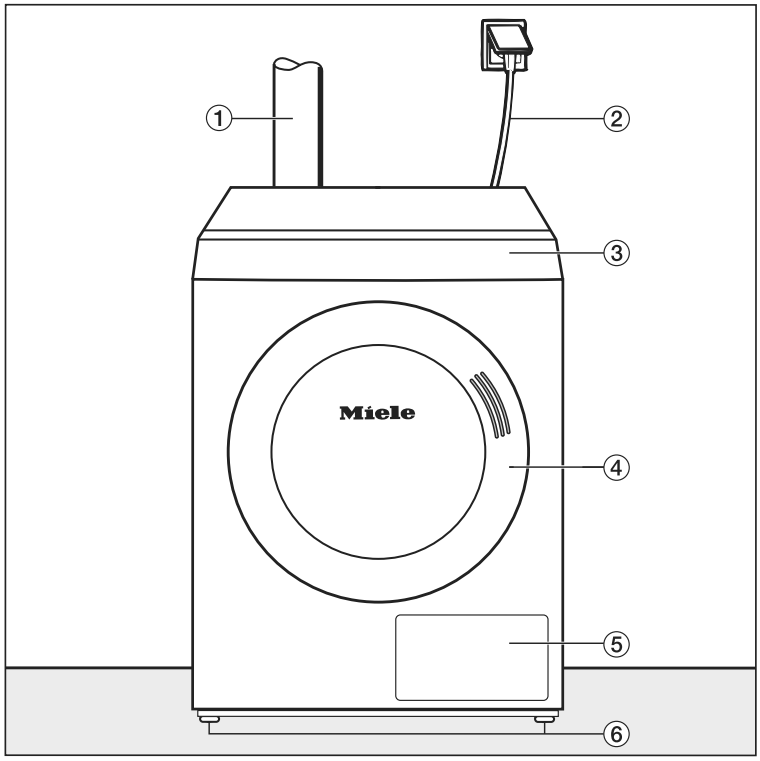
Please quote the model and serial number of your appliance when contacting Miele. This information can be found on the data plate.

Optional accessories

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

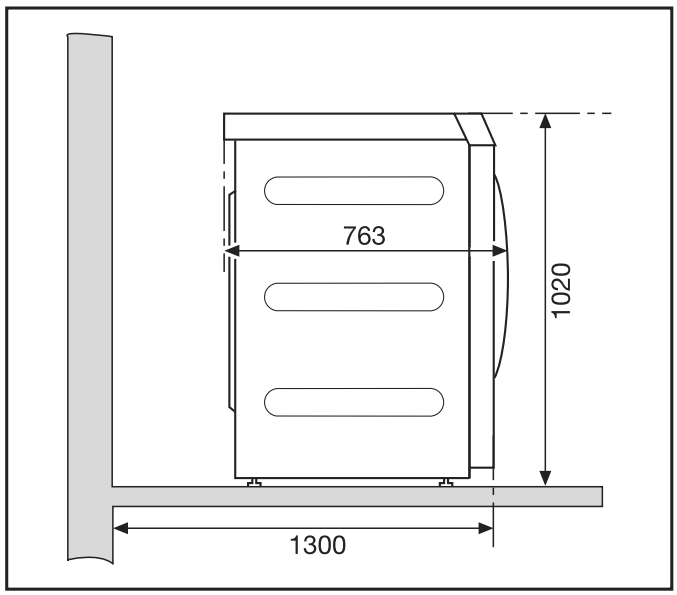
Installation locations

Front view

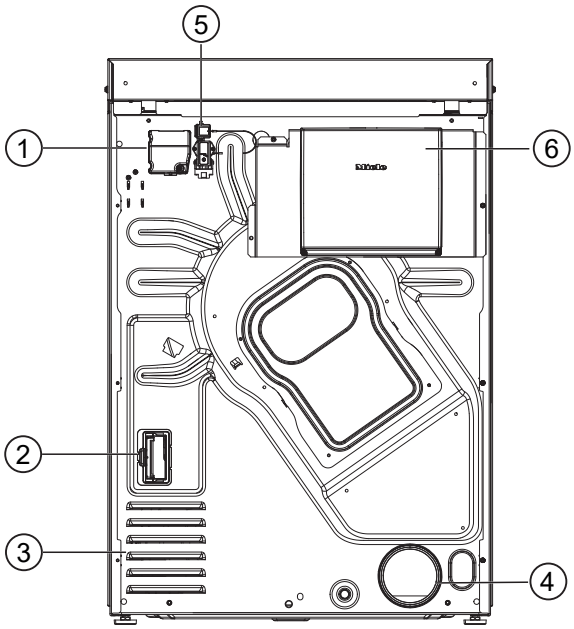


① Vent ducting
② Electrical connection cable
③ Control panel with rotary control
④ Door
⑤ Fluff filter flap
⑥ Four height-adjustable screw feet

Side view

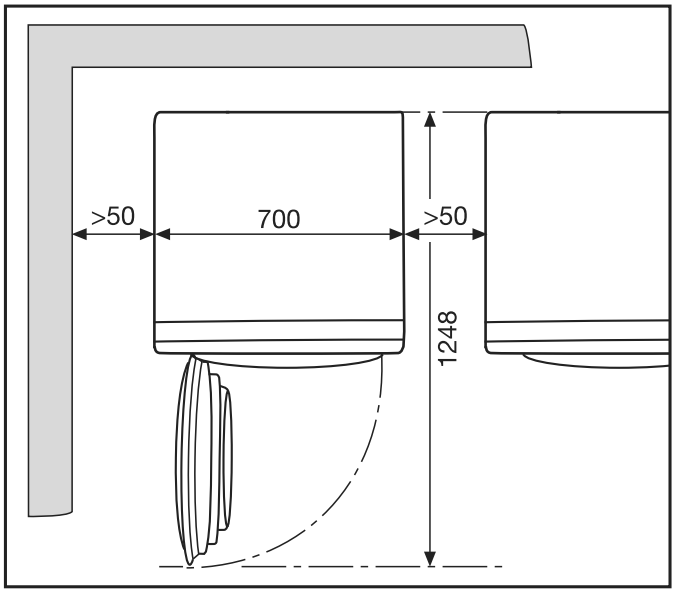


Rear view



① Electrical connection
② Communication module slot
③ Intake vents for drying air
④ Exhaust duct Ø 100 mm
⑤ Connection for communication box
⑥ Communication box (optional)
For setting up a connection with external systems

View from above



Installation on a plinth

Various Miele plinths are available as optional accessories.

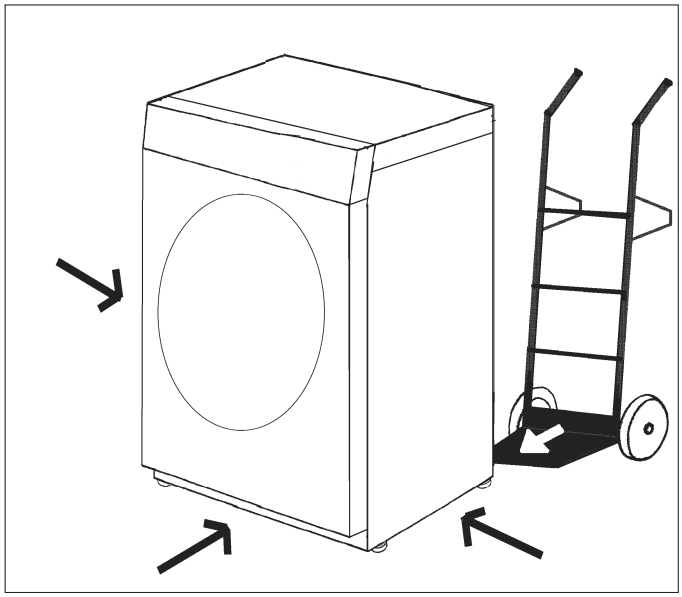
⚠ Risk of injury and damage due to missing tumble dryer fastenings.
When installing on a plinth, an unsecured tumble dryer can slip and fall off the plinth.
If the tumble dryer is installed on a plinth, it must be secured.
The plinth must be secured to the floor.

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.

Installation

Transporting the tumble dryer

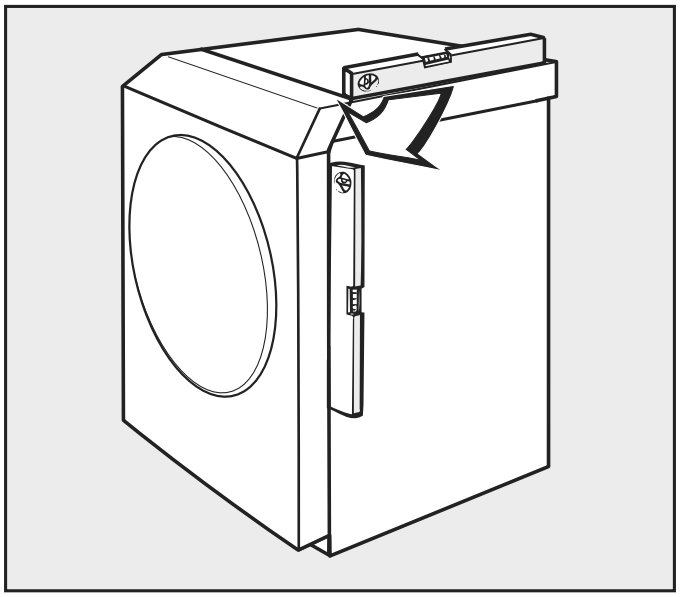


Transport the tumble dryer to its installation site using a suitable transport base (e.g. sack truck).

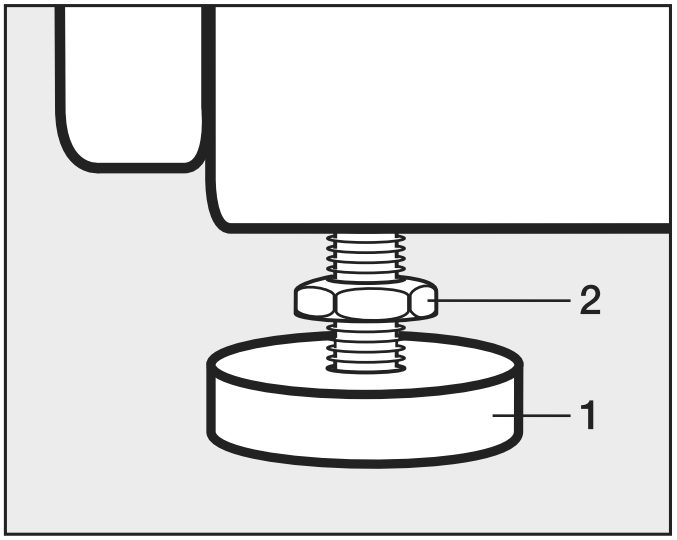
⚠ Risk of injury caused by the tumble dryer tipping over.
When transporting the tumble dryer, there is the risk of the tumble dryer tipping over.
Ensure that the tumble dryer is stable during transportation.

Levelling

⚠
Ensure that no closeable door, sliding door or oppositely hinged door is installed that could hinder opening of the tumble dryer door in any way.



⚠
The tumble dryer must stand perfectly level on all four feet to ensure safe and proper operation.



- Undo the screws (2).
- The screw feet (1) can be adjusted to compensate for any unevenness in the floor.
- Tighten the screws (2) against the housing.

Electrical connection

⚠ Danger caused by improper electrical connection.
There is a risk of serious damage, injury or even death if installation work is carried out incorrectly.
All electrical connection work must be carried out by a qualified electrician in accordance with local and national safety regulations.

The electrical installation must be carried out in accordance with IEC 60364-4-41 or the local regulations.

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.

The tumble dryer can either be hard-wired or connected using a plug-and-socket connection in accordance with IEC 60309-1. For a hard-wired connection, an all-pole isolation device must be available at the installation site.

An isolation device is a switch which ensures a contact opening of more than 3 mm. These include circuit breakers, fuses and contactors (IEC/EN 60947).

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

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).

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

▶ For added safety, a type B residual current device must be connected upstream of the machine in accordance with the installation plan. Installation must be carried out on site by the operator.

▶ If local and national installation specifications require equipotential bonding, good galvanic contact must be guaranteed. Equipotential bonding must have an earth current rating > 10 mA.

Supply air and exhaust air management

Ventilation

The air required for drying is taken from the room where the tumble dryer is installed.
Ensure sufficient room ventilation, e.g. by means of ventilation openings that cannot be closed in the exterior wall.

- It must not be possible to seal off ventilation openings.
- The room ventilation is only working properly if no low pressure occurs. Avoid low pressure, e.g. by means of ventilation openings in the exterior wall.
- For each tumble dryer, there must be a cross section of 237 cm^2 per ventilation opening.

The tumble dryer draws in air at the back. Therefore, there must be a sufficiently large gap between the back of the machine and the wall.
This would otherwise hinder a sufficient flow of air as well as the operational performance of the tumble dryer.
Observe the necessary spacing between the machine and the wall.
Do not reduce the gap between the bottom of the tumble dryer and the floor (e.g. plinth facings, deep pile carpet).

Exhaust air management

The tumble dryer must only be operated if the humid exhaust air generated during drying is led outside through an installed vent ducting.

Exceptions regarding the design of the exhaust air management system must be designed in accordance with the applicable local building regulations. Seek approval from the relevant building inspector.

The tumble dryer exhaust should be finished with a suitable terminal, we recommend a 90° downward facing elbow.

- While installing the ducting, keep the tumble dryer disconnected from the mains power supply.
- Make sure that the duct connections are fully sealed.
- Only use heat-resistant materials with a temperature resistance of at least 80 °C.
- Condensation will form in the exhaust air management system. A condensate drain must therefore be placed at the lowest point in the system.

The opening of the vent ducting (e.g. a wall pipe) must be arranged in such a way that the humid exhaust air:

- Does not flow back into the room where the tumble dryer is installed.
- Does cause damage or unacceptable disturbance.

The air required for drying is taken from the room where the dryer is installed. You must therefore ensure that the room is sufficiently ventilated. Otherwise, there is a risk of suffocation due to exhaust gases being sucked back from other technical systems or fuel-burning installations, and the drying time will be much longer.

The following should be avoided:

- Long vent ducting
- Too many tight bends or elbows

This will help to stop a reduced dryer performance and excessive time and energy requirements.

Use:

- For the vent ducting: exhaust hose* or a plastic waste water pipe (e.g. HT piping systems) with a minimum diameter of 100 mm.
- *optional accessories

Calculating the total ducting length

The friction of the vent ducting with its bends and various components provides resistance to the flow of air. This friction resistance is expressed as a relative pipe length. The **relative pipe length** indicates how much greater the resistance of a bend is, for example, when compared to 1 metre of a straight plastic waste water pipe (table I).

Adding together the relative pipe lengths for all of the components gives the **total ducting length**. The total ducting length expresses the resistance of the entire exhaust air system.

As a larger **duct diameter** has a lower flow resistance, a longer duct requires a greater duct diameter (table II).

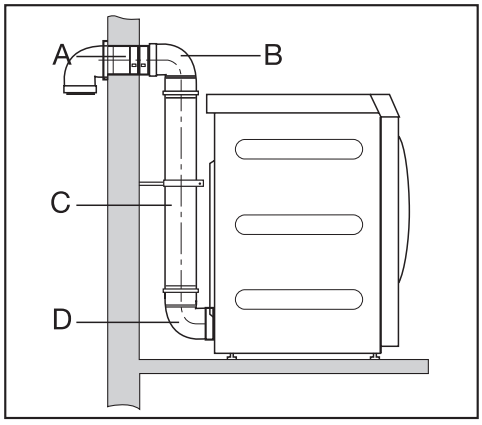
Procedure

1. Measure the length needed for the straight sections of ducting. Multiply this value by the corresponding relative pipe length from **table I**.
2. Calculate the number of bends and components needed. Use **Table I** to help you add together their relative pipe lengths.
3. Add together all of the relative pipe lengths calculated above in order to calculate the total ducting length.
4. Refer to **Table II** for the pipe diameter needed for the total ducting length.

Table I	
Components	**Relative pipe length**
Exhaust air hose (flexible aluminium)* / pipe (temperature resistance min. 80 °C)	
– 1 m laid straight or 1 m straight pipe	1.0 m
– 45° bend (radius of bend = 0.25 m)	0.6 m
– 90° bend (radius of bend = 0.25 m)	0.8 m
Non-return flap*	14.3 m
* optional accessories	

Table II	
Maximum permissible total ducting length	Required diameter
20 m	100 mm
40 m	125 mm
80 m	150 mm

Sample calculation

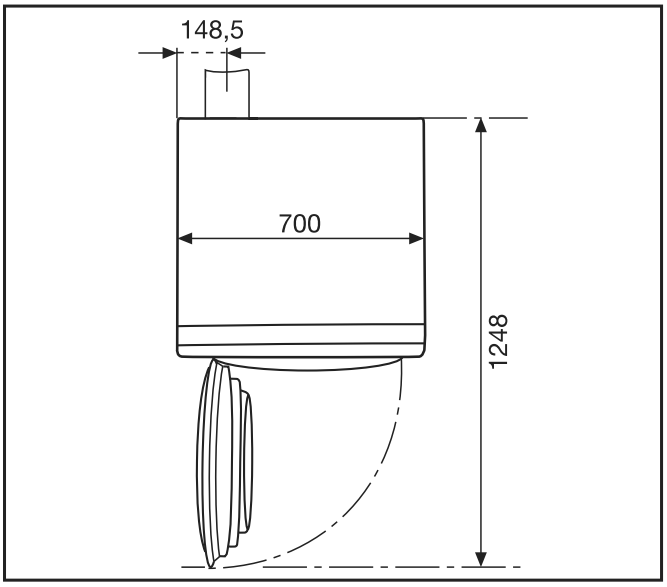


A	**1 bend, 90°** = 1 x 0.8 m relative pipe length	= 0.8 m
B/D	**2 bends, 90°** = 2 x 0.8 m relative pipe length	= 1.6 m
C	**0.5 m pipe** = 0.5 x 1 m relative pipe length	= 0.5 m
	Total ducting length	= 2.9 m

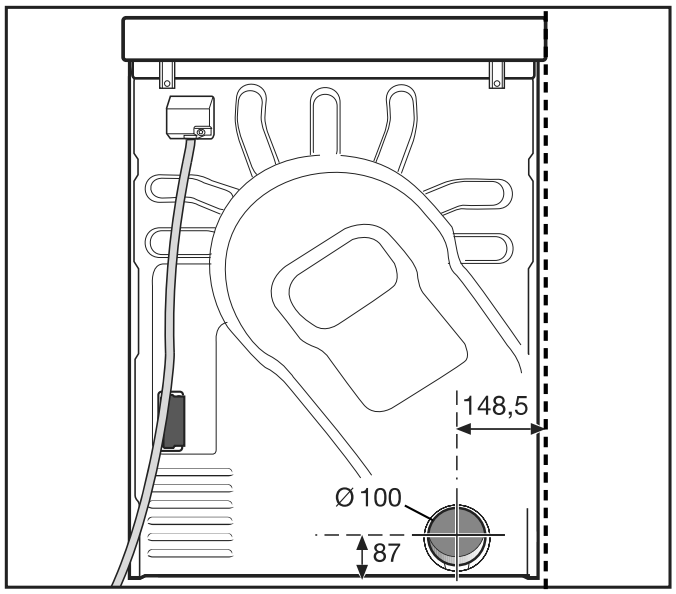
Result: the total ducting length is less than 20 m (as per Table II). A pipe diameter of 100 mm will therefore suffice.

Exhaust duct dimensions

View from above



Rear view

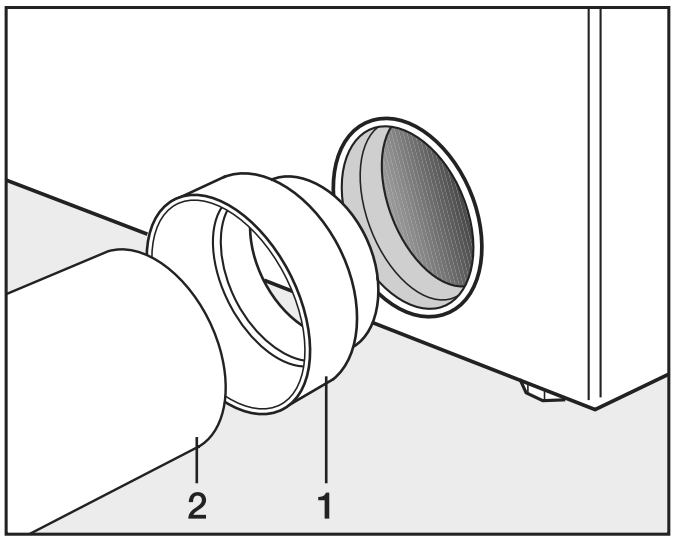


Exhaust air management with plug-in pipes

You will need

- the connector (supplied).
- pipes and connecting pieces from a suitable retailer.

Only use heat-resistant materials with a temperature resistance of at least 80 °C.



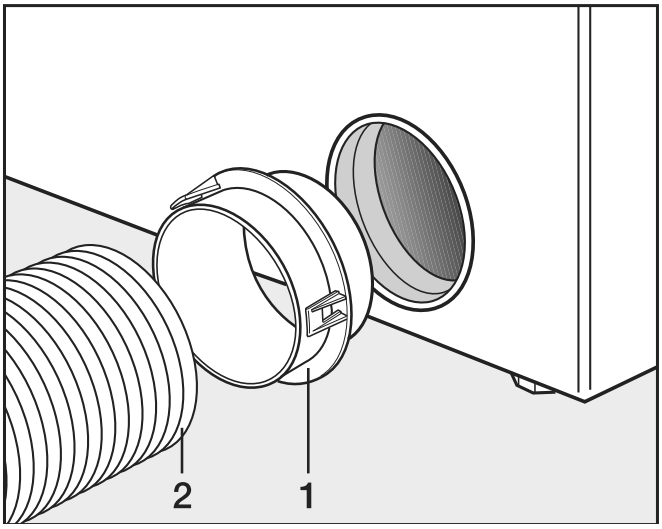
■ Install the connector (1) and the pipe (2).

⚠ Wrap heat-resistant metallic tape around plug connections.

Exhaust air management with flexible aluminium hose

You will need

- the adapter (supplied).
- Flexible aluminium exhaust air hose (optional accessory).



- Install the adapter (1) and the flexible aluminium exhaust air hose (2).

⚠
Wrap heat-resistant metallic tape around plug connections.

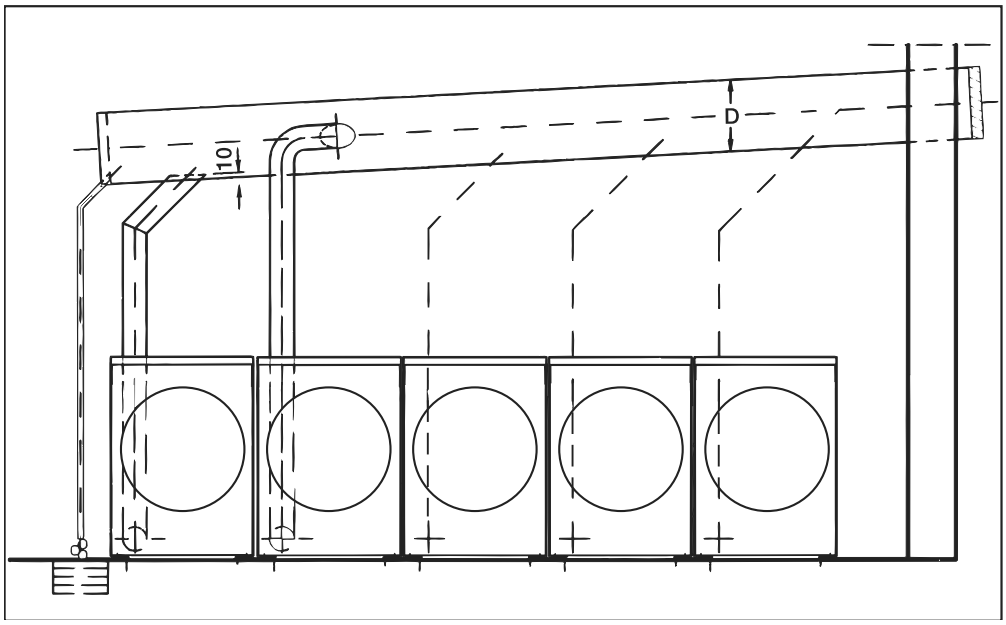
Shared exhaust air ducts

A shared exhaust air duct is only permitted in exceptional cases. The shared exhaust air duct must be approved by the relevant building inspector.

⚠ A non-return flap must be installed for each tumble dryer. Otherwise, the tumble dryers may be damaged by a backflow of condensation and their electrical safety could be affected.

If 3–5 tumble dryers are installed on one shared exhaust air duct, the pipe diameter **D** must be increased.

Number of tumble dryers	**Factor for increasing the pipe diameters from Table II**
3 4–5	1.25 1.5



⚠ 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.

▶ 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.

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.

APCL106

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.

Optional accessories

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 system

The tumble dryer has the option of being controlled by a payment system (e.g. for operation in self-service launderettes). Payment systems for cash-free transactions and payment systems with mechanical or electronic coin validator are available from Miele as optional accessories for individual target groups.

The programming required for connecting a payment system must be carried out by Miele Service or an authorised Miele dealer only. An external power supply is not required for a payment system.

Technical data

	PDR 510 EL
Height	1020 mm
Width	700 mm
Depth	763 mm
Depth with door open	1293 mm
Drum volume	250 l
Maximum load size (dry weight)	10 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	50 dB (A) re 20 µPa
Sound power level, EN ISO 9614-2	58 dB (A)
Permitted room temperature	2–40 °C
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

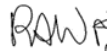
Miele hereby declares that this tumble dryer complies with UK Radio Equipment Regulations 2017, as amended.

The complete text of the UK declaration of conformity is available from one of the following internet adresses:

- Products, Downloads from www.miele.co.uk
- For service, information, operating instructions etc: go to www.miele.co.uk and enter the name of the product or the serial number

Technical data

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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