

Technical drawings of the THERMOMAX 40 I thermal container, showing front, side, and rear views with dimensions in mm.

Front View Dimensions:

- Total height: 782
- Height to top of container: 685.9
- Height to top of control panel: 554
- Height to top of door handle: 206
- Height to bottom of door handle: 165
- Height to base: 51
- Width: 450
- Distance from right side to base: 125
- Minimum clearance (mind): 60

Side View Dimensions:

- Height to top of container: 682
- Height to top of control panel: 388.5
- Width: 454 (355.1)

Rear View Dimensions:

- Height to top of container: 882
- Height to base: 45
- Width: 450
- Distance from left side to base: 40
- Optional: Feet (indicated by a dashed line and arrow)

Optional Features:

- Optional: Thermal container 40 I (20 l) (indicated by a dashed line and arrow)
- Optional: Feet (indicated by a dashed line and arrow)

Measurements in mm

General Conditions for Operation and Installation:

Any necessary on-site preparatory work for electricity, water and drainage connections at the customer's premises is to be arranged by the machine owner/operator. The work must be carried out by authorised installation technicians in compliance with general, country-specific and local regulations. The WMF service engineers may only connect the coffee machine to existing prepared connection points. WMF Service is neither authorised nor responsible for carrying out any on-site installation work prior to connection. Moreover, WMF service engineers are not authorised to carry out cut-outs and/or drilling at counters or under-counter furniture. The potential equalisation unit is fitted by the WMF Service if required.

Data Sheet WMF 9000 F External Storage with grounds separator

Dimensions and empty weight:	Width: 450 mm Height: 783 mm Depth: 605 mm (640 mm) Clearance height: 165 mm (206 mm with removed spout) Weight: approx. 65 kg
	Onsite preparatory work:
Water connection:	Water supply: 1/2" hose connector with main shutoff valve and dirt filter, onsite Flow pressure: min. 0.36 MPa (3.6 bar) at 6 l/min *) **, max. 0.6 MPa (6 bar) Water temperature: max. 35°C Water drainage: Hose a minimum of DN 40, minimum downward slope of 2 cm/m. If the coffee machine is connected to the drainage system without a grounds separator, it is imperative that a 20 mm drop section is installed in the tube routing by the customer. This drop section can be realised by using, for example, part 352.389.08.1 from Geberit or similar.
Electrical data:	Nominal power rate: 8.4 – 14.7 kW Power supply: 380 - 415 V 50/60Hz 3/N/PE Degree of protection: IPX0 Protection class: I
Installation clearance:	<p>Due to operating, service and safety reasons the machine should be installed with a clearance of not less than 50 mm at the back and sides from the building or non-WMF components.</p> <p>A minimum working space of 800 mm in front of the coffee machine and a free height of 1100 mm from the top edge of the installation surface are recommended. The recommended height of the installation surface above the floor is at least 850 mm.</p> <p>If the connections of the device are to be routed downwards through the counter, please note the space requirements of the lines, which may restrict the usable space in the under-counter area. Additional space is also required for the option "Grounds disposal through counter" (grounds disposal pipe and onsite grounds container). The corresponding cut-outs must be provided on site. If the coffee machine is operated in combination with a water filter, additional space is required in the under-counter area, depending on the size of the water filter. For further information, please refer to the user manual of the water filter.</p> <p><u>Attention:</u> For any thermal containers that may be used, additional space must be planned on the right side of the machine (seen from the operating side).</p>

*) Takes into account the usual pressure losses via the water connection set and water filter so that the machine-side flow pressure of 0.2 MPa (2bar) at 6 l/min required for the maximum hourly output is ensured.

**) Note: In order that the setting routine of the pressure reducer functions effectively, the inlet pressure at the machine connection must be at least 2.4bar at 6 l/min. If the pressure is lower, the pressure difference may not be sufficient to set the pressure reducer according to the setting value.

Ventilation:	If ventilation possibilities are limited, sufficient ventilation needs to be provided (e.g., device on feet, active ventilation, additional ventilation slots/openings in counter area etc.). Ventilation slots must not be covered. Under certain circumstances a forced ventilation on site is required to ensure heat dissipation onsite.
Footprint:	The device must be placed and leveled on a horizontal, sturdy, water-resistant and heatproof base. The device must not be located on a surface that is sprayed or cleaned with a water hose, steam jet, steam cleaner, or similar devices.
Electrical connection:	<p>These specifications for the electrical connection and the standards quoted apply for connecting the coffee machine in EU countries. It may be necessary to also observe additional country-specific regulations. Outside the EU countries, acceptance of the standards quoted is to be checked by the legal entity or natural person who wishes to operate the coffee machine.</p> <p>The local power supply must be constructed according to the currently valid IEC 364 (DIN VDE 0100).</p> <p>Near the machine (max. 800 mm from the machine), a 5-pole CEE/CEKON socket per DIN EN 60309 or a country-specific multi-pole socket for a three-phase connection must be available.</p> <p>The sockets are part of the customer's on-site installation.</p> <p>The mains cable must not come into contact with hot components. If the mains cable for this device has been damaged, it must be replaced by our service personnel or a similarly qualified person, in order to prevent hazards.</p> <p>Important advice concerning accounting systems: When using a card reader and depending on the version of the card reader, an additional and separately protected earthed socket may have to be installed on site. The required fuse protection must be requested from the supplier of the card reader. In order to avoid possible interferences of our shielded data lines by potential equalisation currents between the devices, an additional potential equalisation according to VDE 0800-2 should be provided for the devices connected to a accounting system (see DIN EN 50310).</p>
Other:	<p>Ambient temperature: + 5°C to +35°C (empty the water system in case of frost)</p> <p>Max. humidity: 80% rel. humidity without condensation, no spray water Do not use device outdoors.</p> <p>Cont. sound pressure level: < 70 dB (A)</p>

Please find further information such as user manual, safety data sheet and certificates under:

<https://coffeeconnect2.wmf.com>

All indications refer to coffee machines/equipment as standard version.

Individual solutions may differ from the standard version!

Water supply and drainage

The water supply must be located close to the machine (max. distance 800 mm). An anytime easily accessible and sufficiently dimensioned water tap (preferably ball tap) as well as a dirt filter with mesh size 250 sq.m must be installed below the counter in the water supply.

For connection from below through the counter a cut-out must be made in the hatched area on-site according to drawing (see top view).

With a drain connection, the drain must be installed on the rear wall of the base unit at a distance of 50 cm from the top edge of the counter. For the connection from below through the counter, an opening must be made on site in one of the shaded areas as shown in the drawing (see plan view), or a hole of approx. 80 - 120 mm must be drilled.

For drinking water with carbonate hardness above 5°dKH (carbonate hardness), a WMF water filter should be fitted upstream. If the water filter recommended by WMF service is not connected upstream the coffee machine may be damaged (e.g. by limescale).

If the coffee machine is connected to a drain connection, a funnel siphon must be installed in the drain pipe.

Please observe that the free drain (funnel siphon with sheet metal angle) is fitted vertically. This means that it must always be vertical to the water back pressure level that is reached. It must be fitted in a way that the given gradient of the drain hoses (2%) is observed.

Additionally, the free drain must always be below the drains of the coffee machine and above the actual drain pipe connections (HT40, HT50 or similar) with respect to its height.

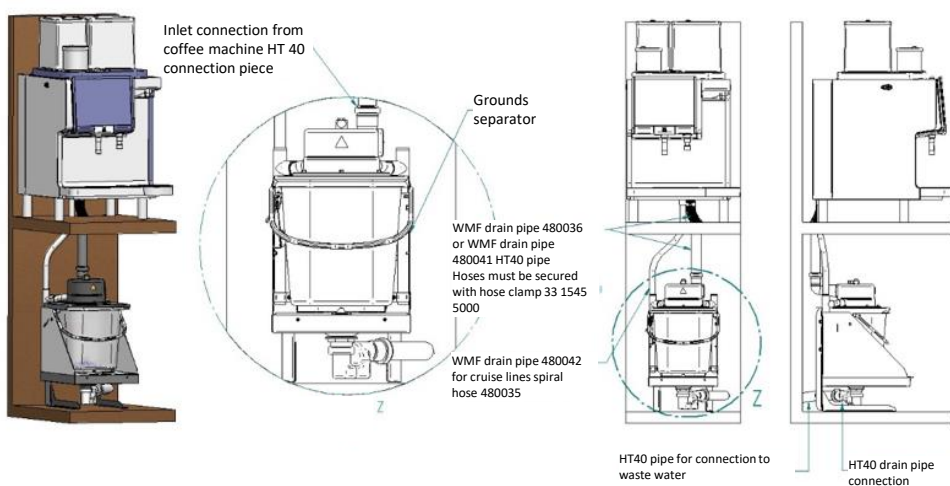
To a funnel siphon with sheet metal angle max. two coffee machines with DN19 hose and black silicone fabric hose should be connected. Other devices (dishwasher, sink etc.) should be installed elsewhere.

The free drain incl. hoses must not be exposed to heavy tensile, pressure or torsional load. Hereby, damage might be caused at the mechanical components of the free drain. Consequently, its usability may get lost.

The on-site preliminary works for the drainage connection must be commissioned by the operator of the machine. They must be carried out by concession plumbers in compliance with the prevailing, national as well as local regulations.

The following drawings serve to illustrate the drains and do not include any other connections, such as power or water infeed!

The following illustrations serve to visualise the processes and do not include any other connections, such as electricity or supply water!



We generally recommend the use of a water filter. Your WMF service partner will be happy to advise you on choosing the right water filter. If the water filter recommended by WMF Service is not installed upstream, the coffee machine may be damaged (e.g. due to limescale).