

Electrical connection

 All work on the electrical connection must be carried out by the Miele Professional Service Department, a Miele authorised technician or a qualified electrician.

- The electrical installation must comply with current local and national safety regulations.
- The connection to the power supply must comply with national regulations (plug and socket must be accessible for service and maintenance work after the machine has been installed). An electrical safety test must be carried out after installation and after any service work.
- If the dishwasher is hard wired to the power supply, connection should be made via a mains switch with all-pole isolation. The mains switch must ensure a 3 mm gap between all open contacts, and must be able to be locked in the off position. The means for disconnection must be incorporated in the fixed wiring in accordance with the wiring rules.
- Equipotential bonding should be carried out if required.
- If replacing the mains connection cable, use only original Miele replacement parts or a suitable cable with **core cable ends**.
- For technical data see data plate or wiring diagram supplied.

The machine must only be operated with the voltage, frequency and fusing shown on the **data plate**.

This machine **can be converted to a different type of power supply** in accordance with the conversion diagram and wiring diagram supplied.

Converting the machine to a different type of power supply can lead to longer programme durations, resulting in increased energy consumption in some programmes. The values declared on the label will only be achieved if the machine remains in the state in which it was delivered.

The **data plates** are located at the back of the dishwasher and along the right edge of the open door.

The **wiring diagram** is supplied with the machine.

The **conversion diagram** is attached to the electrical connection plinth panel behind the plinth cover.

Equipotential bonding connection

There is a screw connection point marked  at the back of the appliance, to which additional equipotential bonding can be connected.

Installation

The Miele Waterproof system

As long as your dishwasher has been installed correctly, the Miele Waterproof anti-leak system will protect you from water damage throughout its lifetime.

Water intake

 Water in the dishwasher must not be used as drinking water.

- The machine must be connected to the water supply in strict accordance with current local and national requirements (e.g. Plumbing Code of Australia (PCA)).
- The water used must at least comply with national regulations for drinking water quality.
If the water supply has a high iron content, there is a danger of corrosion occurring on items being cleaned in the dishwasher, as well as the machine itself.
If the chloride content of the water exceeds 100 mg/l, the risk of corrosion to items being cleaned in the dishwasher will be further increased.
- In certain regions (e.g. mountainous regions), the water composition may cause precipitates to form, requiring the use of softened water for the dishwasher.

- The water pressure (flow pressure at the connection point) must be between 50 and 1000 kPa (0.5 and 10 bar).

If the water pressure is lower than this, the fault message **Water intake** will appear in the display (see "Problem solving guide").

If the water pressure is too high, a pressure reducing valve must be fitted.

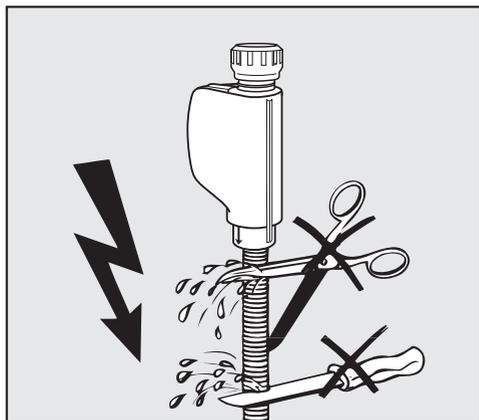
- A tap with a $\frac{3}{4}$ inch male thread must be provided on site. It should be easily accessible so that the water supply can be turned off when the dishwasher is not in use.
- The DN 10 inlet hose is approx. 1.5 m long terminating in a $\frac{3}{4}$ inch female thread. Under no circumstances must the inlet filter or the flow regulator in the connection be removed.

This appliance must be installed according to AS/NZS 3500.1 and AS/NZS 3500.2. This dishwasher has been supplied separately with a separate backflow prevention device (dual check valve).

The dual check valve supplied separately with this product must be installed between the tap and the water inlet hose. Screw the dual check valve onto the tap. Then screw the water inlet hose with the water protection system onto the thread of the dual check valve.

Turn on the the tap gradually to test for leaks. If there is a leak, the connection might not be on securely, or it may have been screwed on at an angle. Unscrew and reconnect the water correctly before tightening it.

⚠ To avoid any damage to the machine, the dishwasher must only be connected to a fully vented plumbing system.



⚠ The inlet hose must **not** be shortened or damaged in any way as it contains electrical components (see illustration).

Installation

Connecting the drain hose

- The machine drainage system is fitted with a non-return valve, which prevents dirty water from flowing back into the dishwasher via the drain hose.
- The dishwasher drainage hose should preferably be connected to a separate on-site drain for the dishwasher only. If no separate connection is available, we recommend connecting it to a dual-chamber siphon.
- The dishwasher is supplied with approx. 1.5 m of flexible drain hose with an internal diameter of 22 mm. Hose clips are supplied with the dishwasher.
- The drain hose must not be shortened. The hose can be extended using a connection piece to attach a further length of hose. The drainage length must not be longer than 4 m and the delivery head no higher than 1 m.
- The drainage system must be able to accommodate a minimum drainage flow of 16 l/min.

 Make sure that there are no kinks in the hose, and that it is not squashed or stretched.

Hose positioning with a low water drainage height

If the on-site drainage connection is situated lower than the guide path for the lower basket rollers in the open door, the water drain hose must be raised to the height of the guide path for the lower basket rollers with a bend in it. Otherwise, a siphoning effect during a programme can cause the appliance to empty itself of water.

Tall unit installation (only available in selected countries)

The accessories APFD 101 and APFD 102 are optional for installing the dishwasher in a tall unit.