

Installation plan

PG 8591
PG 8592
PG 8593

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

en - GB, IE

Installation notes

Installation requirements	<p>This machine must be installed by a suitably qualified person with the appropriate electrical and plumbing qualifications in accordance with the installation instructions supplied.</p> <p>This machine must be installed in accordance with all applicable standards and guidelines, including legal requirements and health and safety regulations.</p> <p>This machine must be commissioned and operatives trained in its use by Miele Service or by an approved Miele Service Partner only.</p>
Surrounding area	<p>Condensate can build up in the area surrounding the machine. Any cabinetry and fixtures in the room must be suitable. If the machine is installed under a countertop (built-under model), the protective foil supplied must be stuck to the underside of the worktop and a stainless steel panel must be installed above the door opening to provide protection from the steam. The stainless steel panel can be ordered from Miele.</p>
Preventing a build-up of heat	<p>During the active drying process (TA) there is a risk of heat building up. A build-up of heat at the back of the machine can cause the machine casing and electronic components to overheat. A build-up of heat can also cause condensate to settle on adjoining surfaces. This can lead to a reduced machine lifespan and cause damage to surrounding units and worktops.</p> <ul style="list-style-type: none">- To prevent a build-up of heat, ensure that there is sufficient space for air to circulate behind base units.- Leave a minimum safety gap of 10 mm for air flow between a built-under machine and the worktop above it.- Do not seal any gaps between base units or between base units and the machine.- If necessary, fit ventilation grilles in adjoining units and in the worktop.
Cooling the exhaust air	<p>Activate "Air cooling" if ambient room temperature exceeds 30 °C. This option is found in the System settings menu under "Further settings".</p>
Plumbing	<p>This machine can be connected directly to a cold water supply or a hot water supply using the supplied double check valves, or to a demineralised water supply. Use the Y-piece supplied to connect the inlet hoses to the machine (KW) and to the steam condenser (DK). Alternatively, you may also install an additional cold water supply and connect the steam condenser to this supply.</p> <p>If access to a hot water supply is not available, a Y-piece must be used to connect both inlet hoses (KW cold water and WW hot water) to the cold water supply.</p> <p>The stopcocks must be easily accessible.</p>
Electrical connection	<p>Connection to the electrical supply must be carried out in accordance with local and national safety regulations. The power cord must be protected from the risk of thermal damage.</p>

It is recommended to make electrical connection via a **plug and socket** so that electrical safety checks can be carried out easily. For **hard-wired** machines, connection must be via a main switch to be provided on site, which must completely isolate the machine from the power supply with a contact gap of at least 3 mm. The plug and socket as well as the main switch must be easily accessible after the machine has been installed.

Faulty components must only be replaced by genuine Miele original spare parts. Only when these parts are fitted can the safety standards of the machine be guaranteed. If the connection cable is faulty it must only be **replaced by a Miele approved service** technician to protect the user from danger.

Equipotential bonding and earthing

For added safety the machine should be protected with a **residual current device** with trip current of 30 mA.

Equipotential bonding should be carried out if required. A screw connection for equipotential bonding is provided at the back of the machine. Equipotential bonding and earthing must be completed before the machine is commissioned.

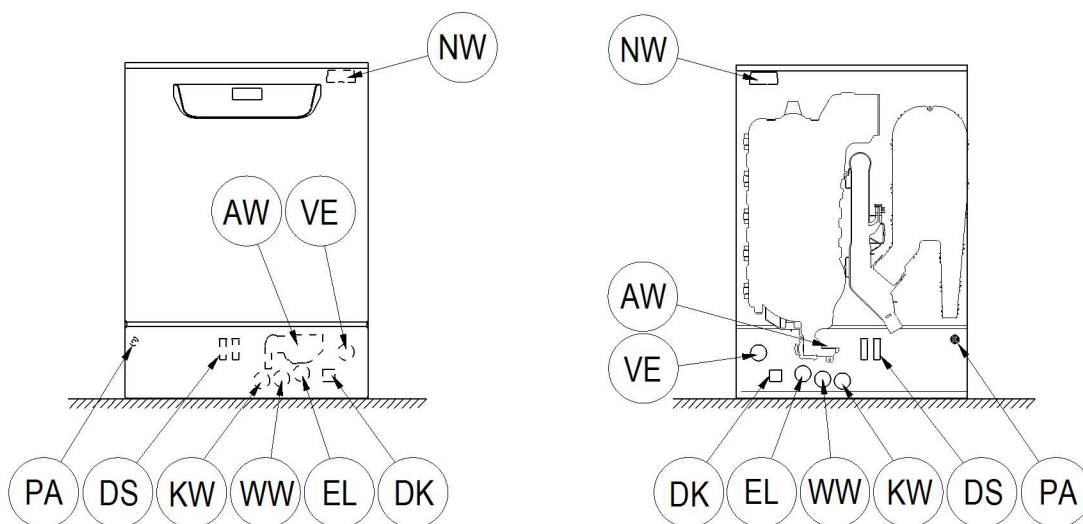
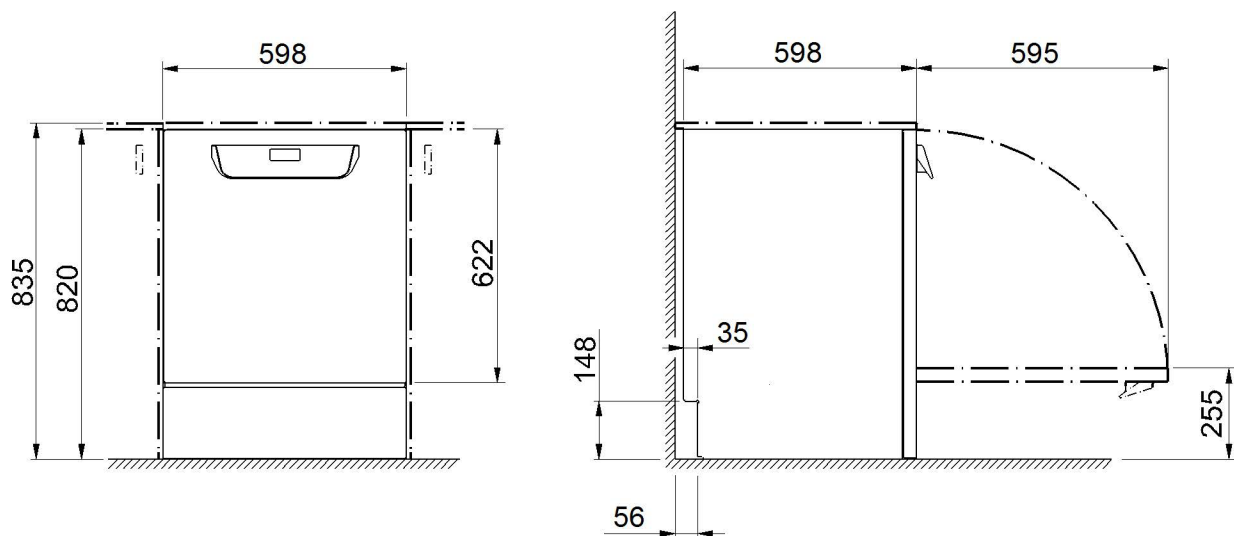
Liquid agents: position of external containers

The liquid agent container for external dispensing must be positioned either **next to or underneath** the machine only. The container may be placed on the floor or in an adjacent cabinet. Do not place the container on top of or above the machine. Make sure that the dispensing hose does not get kinked or trapped.

Communication modules

Ethernet and **RS232 modules** are available as optional extras. They are not supplied with the machine. The connection box for these should be installed near the machine for transferring and printing process data. These must be installed and connected in accordance with **IEC 60950**.

Figures



KW Cold water connection

WW Hot water connection

VE Demineralised water connection

AW Drain connection

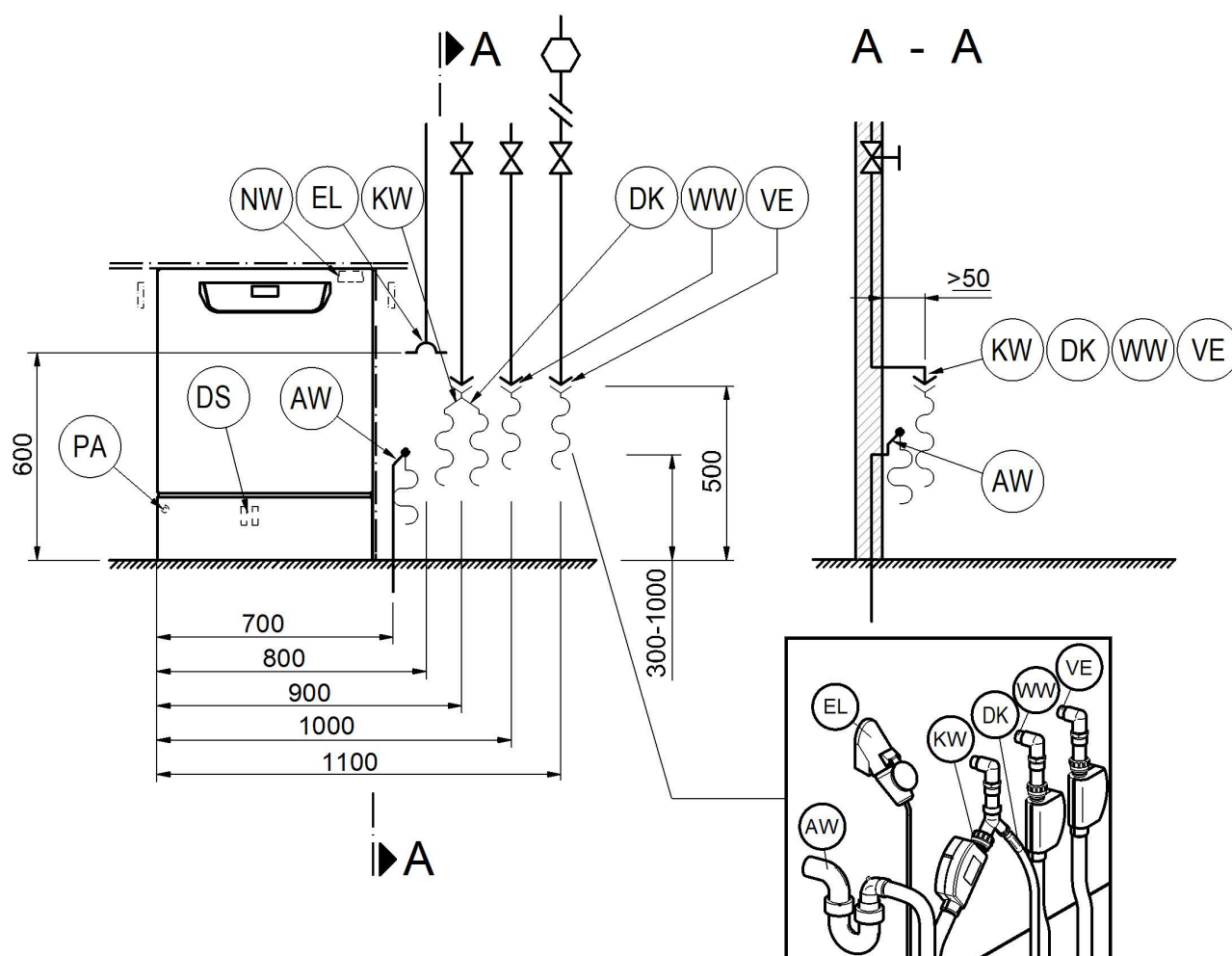
PA Equipotential bonding

EL Electrical connection

DK Cold water connection, steam condenser

DS Dispenser system

NW Network and printer connection (optional)



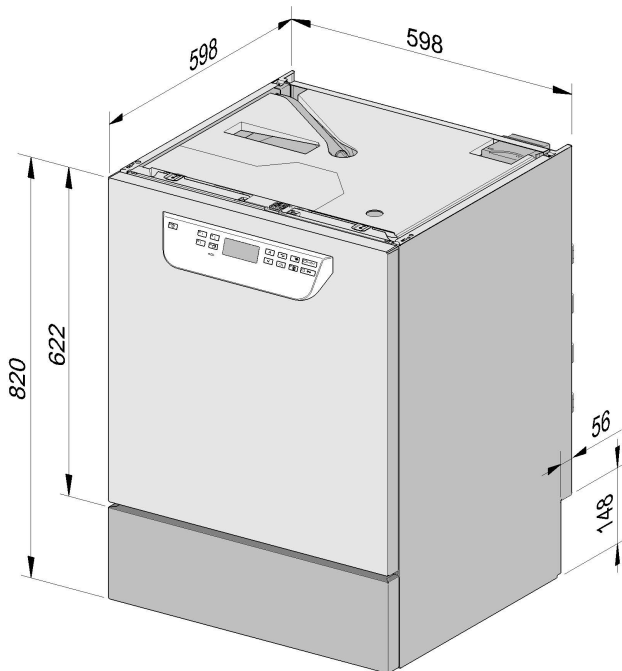
KW	Cold water connection	EL	Electrical connection
WW	Hot water connection	DK	Cold water connection, steam condenser
VE	Demineralised water connection	DS	Dispenser system
AW	Drain connection	NW	Network and printer connection (optional)
PA	Equipotential bonding		

Use the enclosed Y-piece to connect the steam condenser to the cold water supply using the supplied double check valve.

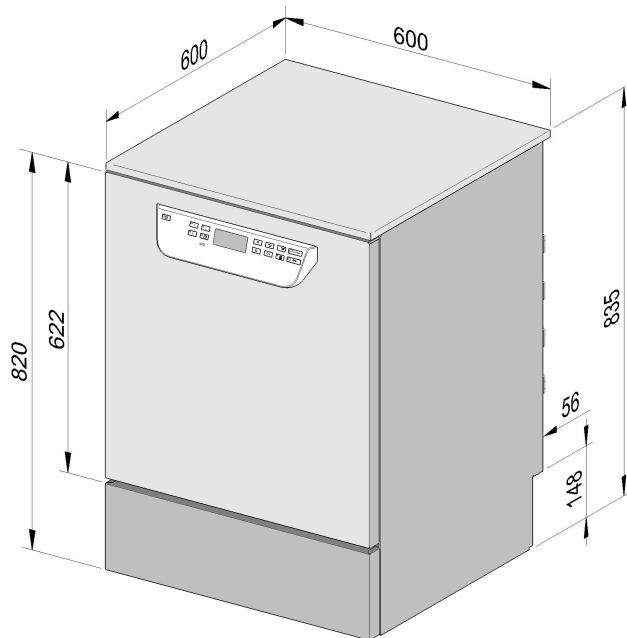
In the UK the (DK) cold (KW) and hot (WW) water inlet hoses must be connected to the potable water using the supplied double check valves.

Figures

Machine versions



PG 8591-93 Undercounter



PG 8591-93 Freestanding

Electrical connection

Voltage (3 phase version)	3N AC 400/50
Total connected load	9.3 kW
Fuse rating	3 x 15-16 A
Connection cable, cross-section min.	5 x 2.5 mm ²
Length of mains connection cable (H05(07)RN-F)	1.8 m

Voltage (singel phase version)	AC 230/50
Total connected load	6.3 kW
Fuse rating	1 x 30-32 A
Connection cable, cross-section min.	3 x 4 mm ²
Length of mains connection cable (H05(07)RN-F)	1.9 m

Cold water connection

(UK: the supplied double check valve must be fitted)

Maximum incoming temperature	20 °C
Max. water hardness	12.6 mmol/l
	70 °dH
Recommended flow pressure:	200 kPa
Minimum flow pressure with extended water intake	100 kPa
Maximum pressure	1,000 kPa
Flow rate	7.5 l/min
On-site threaded union in accordance with DIN 44991 (flat sealing)	3/4 Inch
Length of cold water inlet hose	1.7 m
Length of steam condenser inlet hose	1.7 m

Hot water

(UK: the supplied double check valve must be fitted)

Maximum incoming temperature	60 °C
Max. water hardness	12.6 mmol/l
	70 °dH
Recommended flow pressure:	200 kPa
Minimum flow pressure with extended water intake	100 kPa
Maximum pressure	1,000 kPa
Flow rate	7.5 l/min
On-site threaded union in accordance with DIN 44991 (flat sealing)	3/4 Inch
Length of hot water inlet hose	1.7 m

Technical data

Demin. water

Maximum incoming temperature	60 °C
Recommended flow pressure (DI pressure-resistant)	200 kPa
Minimum flow pressure with extended water intake	100 kPa
Maximum pressure (AD pressure resistant)	1,000 kPa
Flow rate	7.5 l/min
On-site threaded union in accordance with DIN 44991 (flat sealing)	3/4 Inch
Length of demin. water inlet hose	1.7 m

Waste water

Drainage temperature	93 °C
Drain hose length, standard	1.4 m
Drain hose, max. drainage length	4.0 m
Max. drain pump head height from bottom edge of machine	1.0 m
Max. transient flow rate	16 l/min
On-site sleeve for drain hose (dia. x length)	22 x 30 mm

Machine feet

Height-adjustable machine feet	0 - 60 mm
Diameter of machine feet	35 mm
Insert for machine foot, size of thread	M 8

Machine data

Building-under height	820 mm
Height including lid	835 mm
Width	598 mm
Depth	598 mm
Door height	622 mm
Net weight	78 kg
Floor load in operation	1,200 N
Min. access width, incl. transport pallet	670 mm
Min. access depth incl. transport pallet	740 mm
Min. access height, incl. transport pallet	920 mm
Noise level in dB (A), sound pressure LpA during cleaning and drying phases	< 70 dB

Heat dissipation rate to installation site

From heat radiation during operation	0.35 kWh
From load whilst unloading	0.40 kWh

Installation requirements

Permissible ambient temperature	5 - 40 °C
Max. relative humidity up to 31 °C	80 %
Rel. humidity, declining proportionally up to 40 °C	50 %
Max. installation altitude above sea level	2,000 m

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