

Installation plan

PG 8581
PG 8582
PG 8583

It is **essential** to read the operating instructions as well as the service documentation before the machine is installed or used for the first time.

en - US

Installation notes

Installation requirements	Installation should be carried out by authorized installers in accordance with valid regulations, relevant standards and health and safety codes.
Surrounding area	Condensate can build up in the area surrounding the machine. Any cabinetry and fixtures in the room must be suitable for such an environment. If the machine is installed under a countertop (built-under model), a stainless steel panel must be installed above the door opening to provide protection from steam. The stainless steel panel can be ordered from Miele Service.
Plumbing	<p>The cold water, hot water, demineralized water and drain water can be connected directly without a non-return valve. Use the supplied Y-adapter if only one cold water connection is available.</p> <p>The non-return valves of the water pipes must be easily accessible.</p>
Requirements for demineralized water system	Unpressurized demineralized water system requires the installation of an external booster pump, which can be requested through Miele Service. Pump installation must be carried out by Miele Service.
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> <p>It is recommended to make electrical connections via a plug and socket so that service and maintenance can be carried out easily. For hard-wired machines this 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 1/8" (3 mm).</p> <p>The plug and socket as well as the main switch must be easily accessible after the machine has been installed.</p>
Equipotential bonding and grounding	<p>For added safety the machine should be protected with a residual current device with a trip current of 30 mA. If necessary, an equipotential bond with good contact connection must be provided in accordance with all appropriate national and local regulations.</p> <p>Equipotential bonding and grounding must be completed before the machine is commissioned.</p>

Connecting the external dosing system

Up to two dispensing systems for liquid process chemicals can be connected to the rear panel of the machine. The instructions below regarding machine model must be observed:

- PG 8581: not available
- PG 8582: 1 connection
- PG 8583: 1 or 2 connections

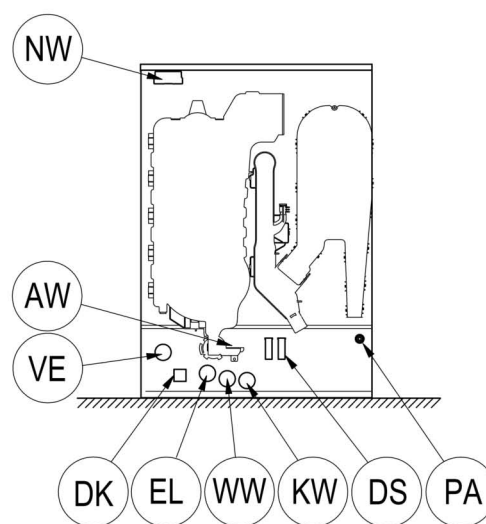
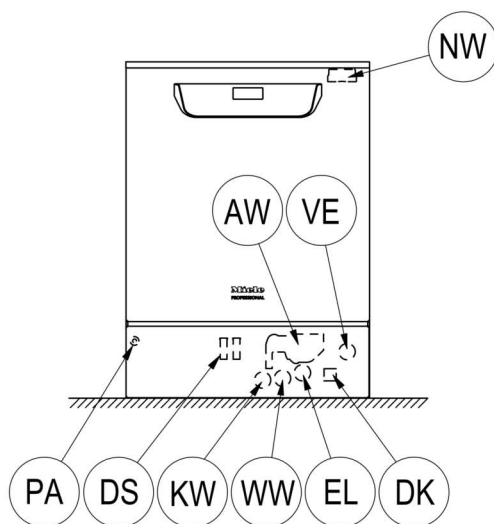
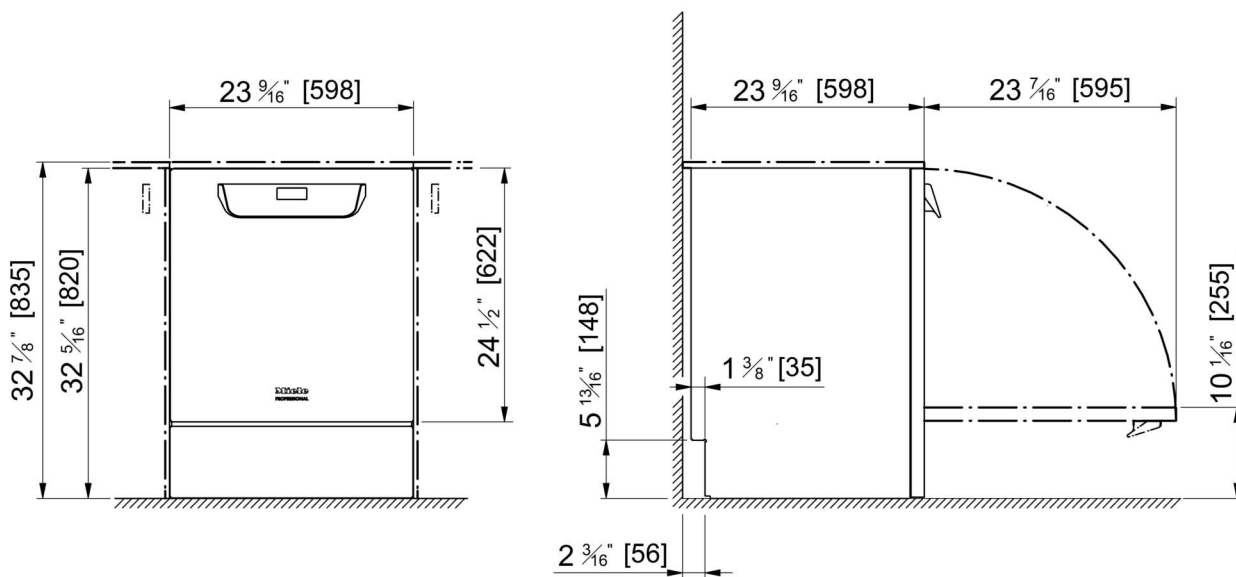
Liquid process chemicals: position of external containers

The liquid process chemicals container for external dispensing must be installed **next to or underneath** the machine. Place the container next to the machine on the floor or in an adjacent cabinet. Do not position the container above the machine. The dispenser hose must not be kinked or trapped.

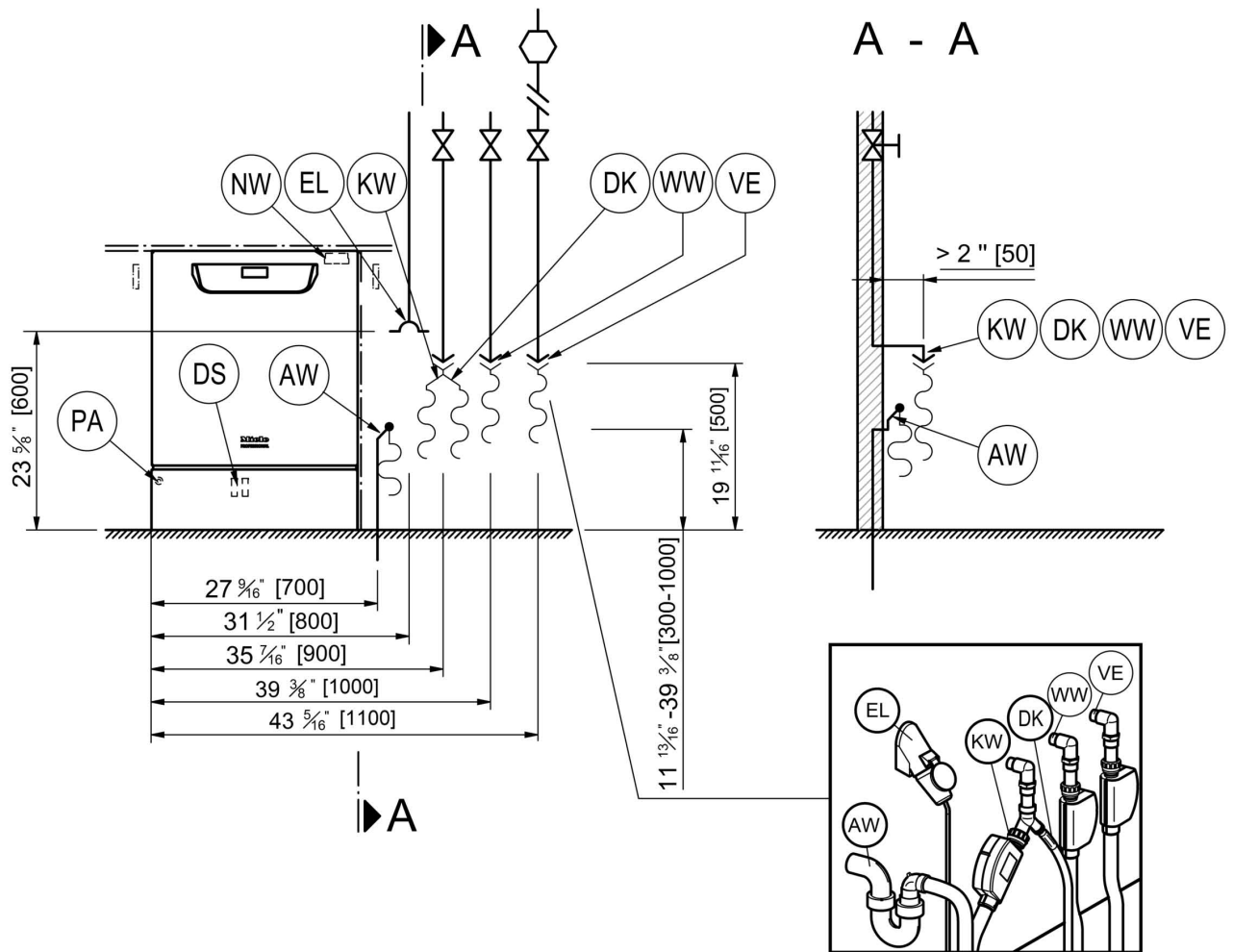
Communication module

An **RS 232 module** is available as an option to facilitate Process Documentation together with the PRT 100 printer.

Dimensions



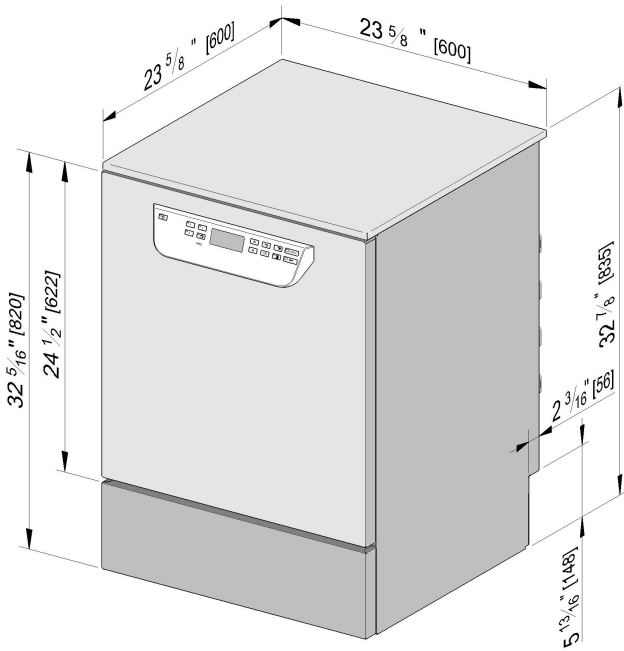
AW	Drain connection	NW	Network and printer connection (optional)
DK	Cold water connection, steam condenser	PA	Equipotential bonding
DS	External dispensing system connection	VE	Demineralized water connection
EL	Electrical connection	WW	Hot water connection
KW	Cold water connection		



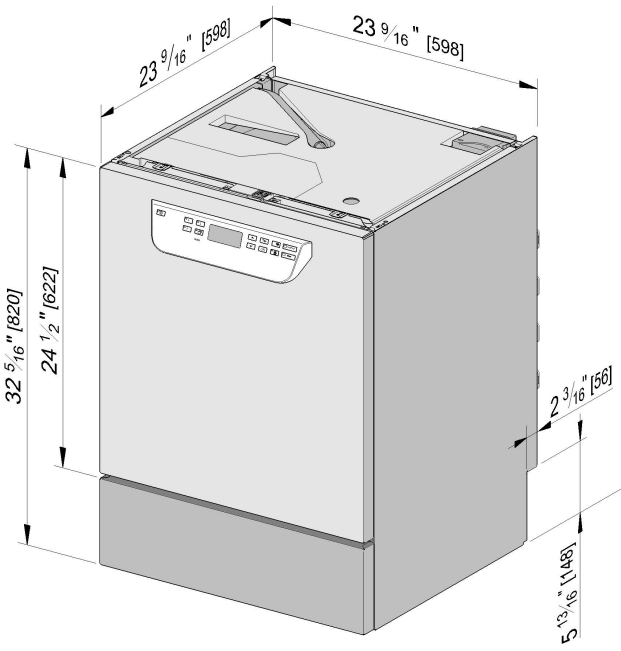
AW	Drain connection	NW	Network and printer connection (optional)
DK	Cold water connection, steam condenser	PA	Equipotential bonding
DS	External dispensing system connection	VE	Demineralized water connection
EL	Electrical connection	WW	Hot water connection
KW	Cold water connection		

Dimensions

Machine with and without lid



Machine with lid (standard)



Machine without lid

Electrical connection

PG 8581, PG 8582

Voltage (default)	2 AC 208V 60 Hz	2 AC 208V 60 Hz
Rated load	6.2 kW	6.2 kW
Fuse rating	2 pole 30 Amp	2 pole 30 Amp
Power cord, cross-section min.	3 x AWG 10	3 x 5.2 mm ²
Length of power cord (UL 921) with plug	approx. 5'9"	approx. 1.8 m
Electrical connection	NEMA L6-30	NEMA L6-30

Voltage (convertible)	3 AC 208V 60 Hz	3 AC 208V 60 Hz
Rated load	6.2 kW	6.2 kW
Fuse	3 pole 20 Amp	3 pole 20 Amp
Power cord, cross-section min.	4 x AWG 12	4 x 3.3 mm ²
Length of power cord (UL 921) with plug	approx. 5'9"	approx. 1.8 m
Electrical connection	NEMA L15-20	NEMA L15-20

PG 8583

Voltage (default)	3 AC 208V 60 Hz	3 AC 208V 60 Hz
Rated load	6.2 kW	6.2 kW
Fuse rating	3 pole 20 Amp	3 pole 20 Amp
Power cord, cross-section min.	4 x AWG 12	4 x 3.3 mm ²
Length of power cord (UL 921) with plug	approx. 5'9"	approx. 1.8 m
Electrical connection	NEMA L15-20	NEMA L15-20

Voltage (convertible)	2 AC 208V 60 Hz	2 AC 208V 60 Hz
Rated power	6.2 kW	6.2 kW
Fuse rating	2 pole 30 Amp	2 pole 30 Amp
Power cord, cross-section min.	3 x AWG 10	3 x 5.2 mm ²
Length of power cord (UL 921) with plug	approx. 5'9"	approx. 1.8 m
Electrical connection	NEMA L6-30	NEMA L6-30

Cold water connections

Use supplied Y-adaptor if only one water connection is available.

Technical data

Max. temperature	68 °F	20 °C
Max. water hardness	73 gpg	70 °dH
Recommended flow pressure	29 psi	200 kPa
Minimum flow pressure with extended intake time	14.5 psi	100 kPa
Max. pressure	145 psi	1,000 kPa
Flow rate	2 gal/min	7.5 L/min
Connection Thread	3/4" Male Garden Hose Thread	3/4" Male Garden Hose Thread
Length of cold water inlet hose	5' 7"	1.7 m
Length of steam condenser inlet hose	5' 7"	1.7 m

Hot water connection

Max. temperature	150 °F	65 °C
Max. water hardness	73 gpg	70 °dH
Recommended flow pressure	29 psi	200 kPa
Minimum flow pressure with extended water intake	5.8 psi	40 kPa
Max. pressure	145 psi	1,000 kPa
Flow rate	2 gal/min	7.5 L/min
Connection Thread	3/4" Male Garden Hose Thread	3/4" Male Garden Hose Thread
Length of hot water inlet hose	5' 7"	1.7 m

Demineralized water

Max. temperature	150 °F	65 °C
Recommended flow pressure (DI pressure-resistant)	29 psi	200 kPa
Minimum flow pressure with extended water intake	4.4 psi	30 kPa
Maximum pressure (DI pressure-resistant)	145 psi	1,000 kPa
Flow rate	2 gal/min	7.5 L/min
Connection Thread	3/4" Male Garden Hose Thread	3/4" Male Garden Hose Thread
Length of demineralized water inlet hose	5' 7"	1.7 m

Requirements for unpressurized demineralized water systems:

Minimum flow pressure with extended water intake (DI unpressurized)	1.3 psi	8.5 kPa
Maximum pressure (DI unpressurized)	8.7 psi	60 kPa
Hose from supply container to machine to be provided on site.		

Drain water

Technical data

Drain water temperature	199 °F	93 °C
Length of drain hose	approx. 4' 6"	1.4 m
Drain hose, max. drainage length	approx. 13' 1"	4.0 m
Drain pump head height from floor level, max.	approx. 3' 3"	1.0 m
Drain hose delivery, max.	4.2 gal/min	16 L/min
On-site hose connector (external dia. x l)	7/8" x 1 3/16"	22 x 30 mm

Machine feet

Machine feet height-adjustable	2 3/8"	60 mm
Diameter of foot	1 3/8"	35 mm
Insert for machine foot, size of thread	M 8	M 8

Technical data

Machine dimensions

Height	32 7/8"	835 mm
Height without lid	32 5/16"	820 mm
Width	23 5/8"	600 mm
Width without lid	23 9/16"	598 mm
Depth	23 5/8"	600 mm
Depth without lid	23 9/16"	598 mm
Height of door	24 1/2"	622 mm
Net weight	163 lbs	74 kg
Dynamic floor load	1,200 N	1,200 N
Width including transport pallet min.	26 3/8"	670 mm
Depth including transport pallet min.	29 3/8"	740 mm
Height including transport pallet min.	36 1/4"	920 mm
Sound emissions in dB (A)	< 70 dB	< 70 dB
Sound pressure LpA, washing and drying		

Heat dissipation rate to installation room

From heat emission during operation	1,194 btu/h	0.35 kWh
From wash load on removal	1,365 btu/h	0.40 kWh

Setup requirements

Permissible ambient temperature	40 - 104 °F	5 - 40 °C
Max. relative humidity 88 °F	80 %	80 %
Rel. humidity, declining proportionally up to 104 °F	50 %	50 %
Max. altitude above sea level	4,921'	2,000 m

**Please have the model and serial number
of your machine available when
contacting Technical Service.**

U.S.A.

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