Miele
PROFESSIONAL

Installation plan

PLW 6011
PLW 6111

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

M.-Nr. 11 206 290

Installation notes

Installation requirements

This machine must be installed by a **suitably qualified person with the appropriate electrical and plumbing qualifications** in accordance with the installation instructions supplied.
This machine must be installed in accordance with all applicable standards and guidelines, including legal requirements and health and safety regulations.
The machine must be **commissioned** and operatives trained in its use by Miele Service or by an approved Miele Service Partner only.

Environmental requirements

In order to reduce the risk of water damage, the area around the machine should be limited to furniture and fittings that are designed for use in commercial environments.

Installation

The machine must be installed on a level surface.

Plumbing

The cold water, hot water, demineralised water and drain water can be connected directly without a **non-return valve**. The stopcocks must be easily accessible.

If a hot water supply is not available, both inlet hoses (KW/WW) must be connected to the cold water supply with a Y-piece.

Electrical connection

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.
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 a trip current of **30 mA**. Equipotential bonding should be carried out if required. The screw connection point for equipotential bonding **(size M8)** is located at the back of the machine. **Equipotential bonding and earthing must be carried out before the machine is commissioned.**

Vented Air Connection

Vent to atmosphere with a steam condenser.
In order to improve room climate as far as temperature and humidity is concerned the chamber vent can be connected to an external venting conduit. **Prevent condensate backflow** into the washer-disinfector.
Pitch vent ducting and discharge condensate at lowest point. The conduit must be in stainless steel A304 (V2S) or in a plastic material suitable for high temperatures (**constant 95 °C**)
or in polypropylene (PP).
In case of connection with an external system, provide a suitable air break. Vent to atmosphere with steam condenser. Vent multiple washer-disinfectors **individually** (do not use manifold).

RS232 interface

An **RS232 serial interface** is provided on the back of the machine in order to transfer process data to a printer or external process documentation software.
The cable is **not** included as standard. It must be connected and installed in accordance with **IEC 62368**.

Technical data

Electrical connection 400 V/50 Hz

Voltage (standard version)	3N AC 400V/50Hz
Power rating	8.25 kW
Fuse rating	3 x 16 A
Mains connection cable, min. cross-section	5 x 2.5 mm^2
Connection cable length	2 m
Voltage fluctuation, max. permitted	+/- 10%

Cold water

Length of cold water inlet hose	2 m
Maximum temperature	15 °C
Water hardness, max. permitted without water softener (If the water hardness is more than 4 °dH, a water softener must be used. Connection for liquid dispensing system is available.)	4 °dH
Minimum flow pressure	200 kPa
Maximum pressure	800 kPa
Flow rate	12 l/min
On-site threaded union in accordance with DIN 44991 (flat sealing)	3/4 inch

Hot water

Inlet hose length	2 m
Maximum temperature	60 °C
Maximum water hardness (If the water hardness is more than 4 °dH, a water softener must be used. Connection for liquid dispensing system is available.)	4 °dH
Minimum flow pressure	100 kPa
Maximum pressure	800 kPa
Flow rate	12 l/min
On-site threaded union in accordance with DIN 44991 (flat sealing)	3/4 inch

Demineralised water

Length of demin. water inlet hose	2 m
Maximum temperature	60 °C
Max. water hardness	0.8 °dH
Minimum flow pressure	100 kPa
Maximum pressure	800 kPa
Flow rate	12 l/min
On-site threaded union in accordance with DIN 44991 (flat sealing)	3/4 inch

Waste water

Waste water temperature	93 °C
Wall opening for waste water line	40 mm
Centre point of wall opening (height above finished floor)	0.7 m
Max. transient flow rate	50 l/min

Waste air

Waste air flow rate	150 m^3/h
Mean temperature / max. transient	30 / 40 °C
Mean relative humidity / max. transient	70 / 100 %
Max. pressure loss in waste air line	100 kPa

Drying unit and HEPA filter (PLW 6011 only)

Nominal flow rate	35 m^3/h
Initial pressure loss, nominal	120 kPa
Mean diameter	0.2 µm
Barometric pressure	996 mbar
Temperature	23.5 °C
Relative humidity	54 %
MPPS efficiency	99.995 %

Machine feet

Number of machine feet	4
Height adjustment	0-30 mm
Diameter of machine feet	45 mm

Heat dissipation rate to installation site

From heat radiation during operation of PLW 6011	0.44 kWh
From heat radiation during operation of PLW 6111	0.35 kWh

Installation requirements

Permitted ambient temperature	5-40 °C
Relative humidity	20-90 %
Max. installation altitude above sea level	2000* m
* Special versions are available for higher altitudes	

Technical data

PLW 6011 machine data

Height	1715 mm
Width	650 mm
Depth	687 mm
Net weight	192 kg
Floor load in operation	~2000 N
Max. floor load	250 daN/m^2
Min. access width, incl. transport pallet	945 mm
Min. access depth, incl. transport pallet	840 mm
Min. access height, incl. transport pallet	1860 mm
Noise emissions	< 70 dB

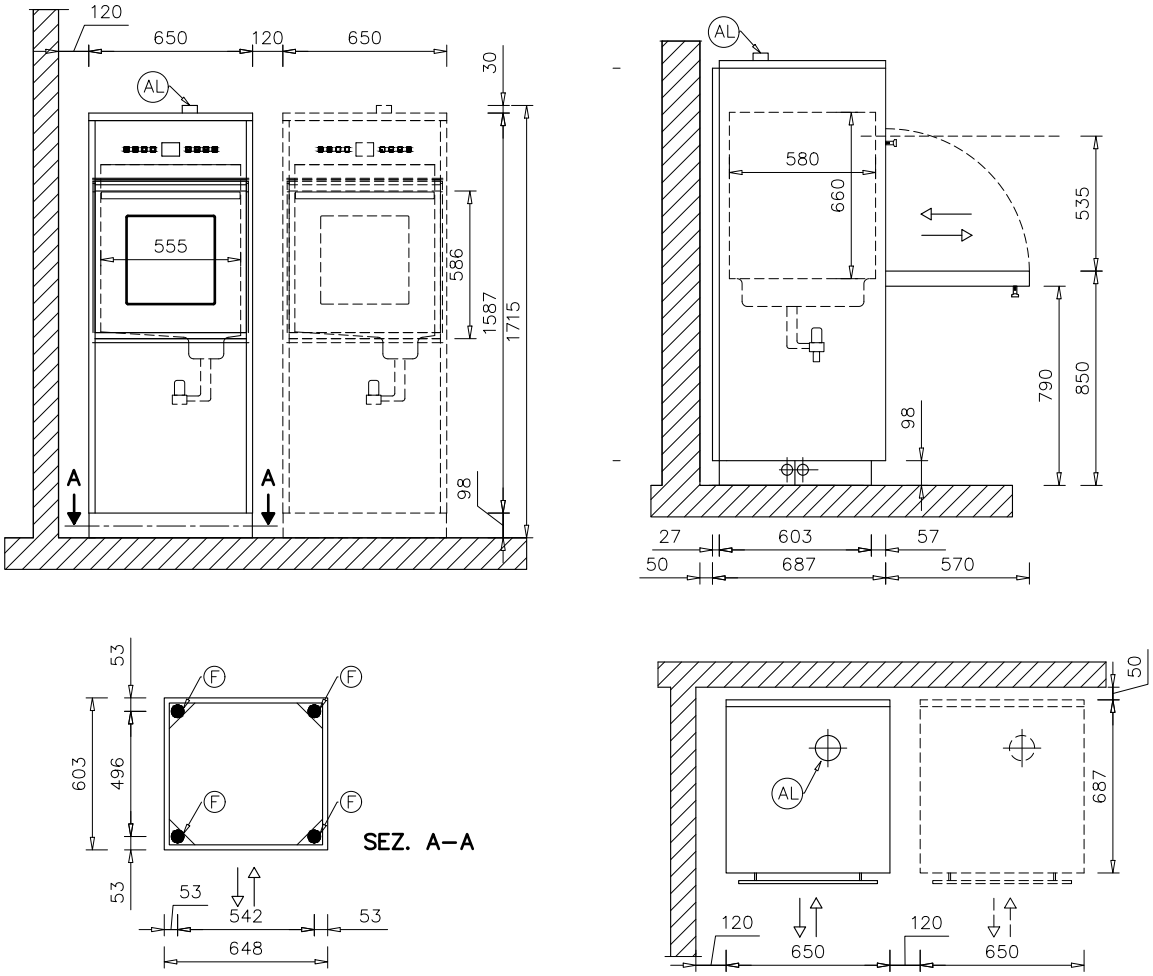
PLW 6111 machine data

Height	1870 mm
Width	650 mm
Depth	687 mm
Net weight	251 kg
Floor load in operation	~3260 N
Max. floor load	400 daN/m^2
Min. access width, incl. transport pallet	945 mm
Min. access depth, incl. transport pallet	840 mm
Min. access height, incl. transport pallet	2110 mm
Noise emissions	< 70 dB

Abbreviations

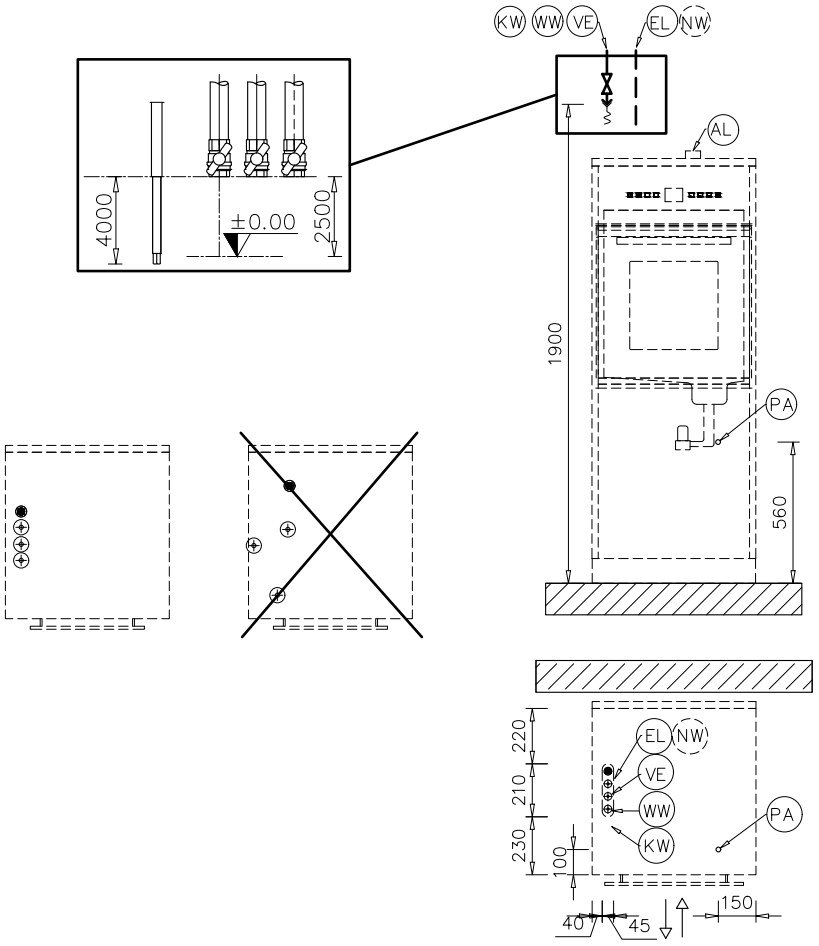
EL	Electrical connection	PA	Equipotential bonding
KW	Cold water connection	AW	Drain connection
VE	Demineralised water connection	HF	HEPA filter
NW	Network and printer connection (optional)	AL	Vent connection
F	Machine feet		

PLW 6011 dimensions

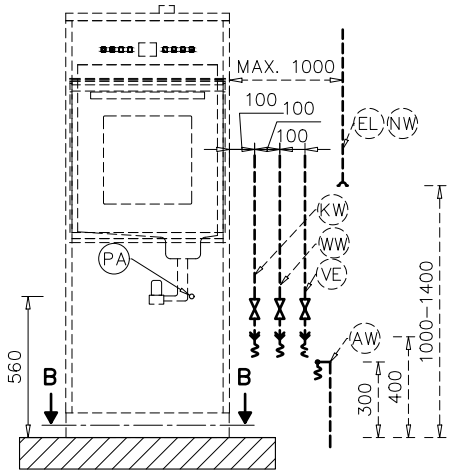


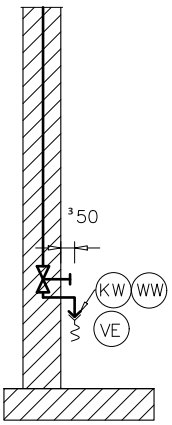
Figures

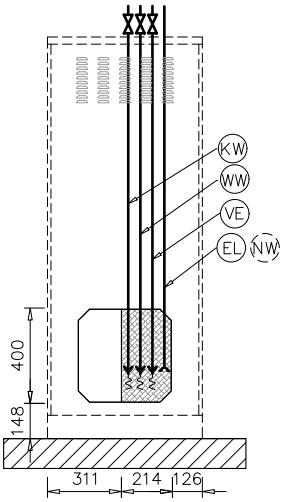
PLW 6011 top connections

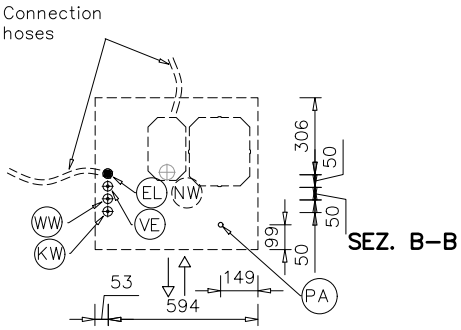


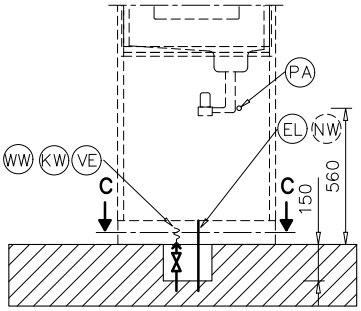
PLW 6011 bottom connections

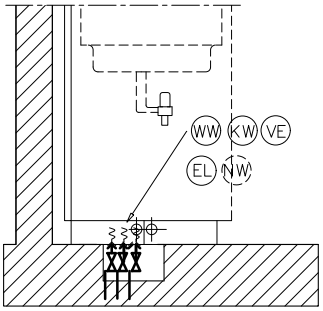


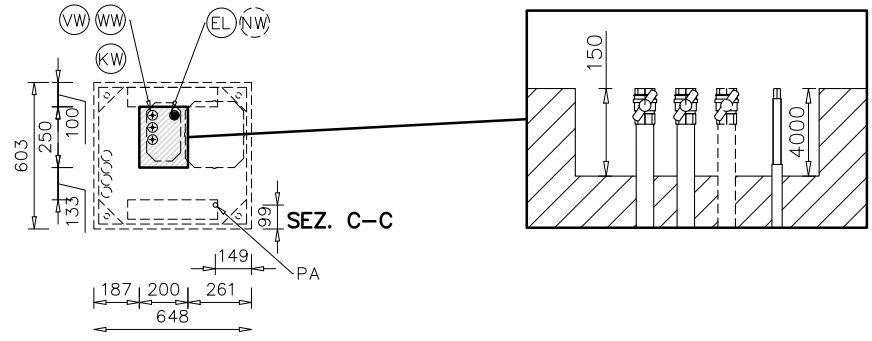


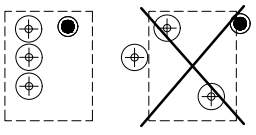






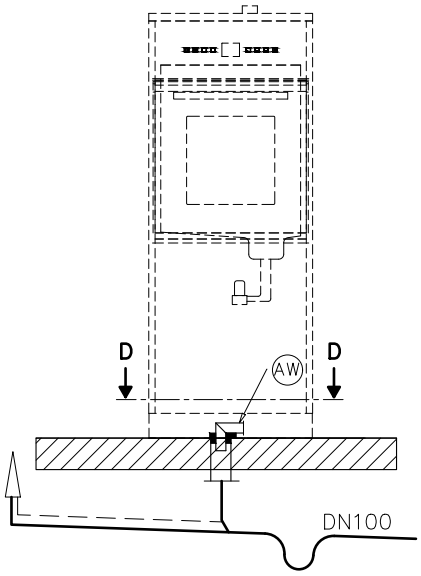


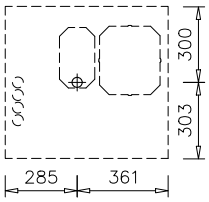




Figures

PLW 6011 drain valve / drain pump





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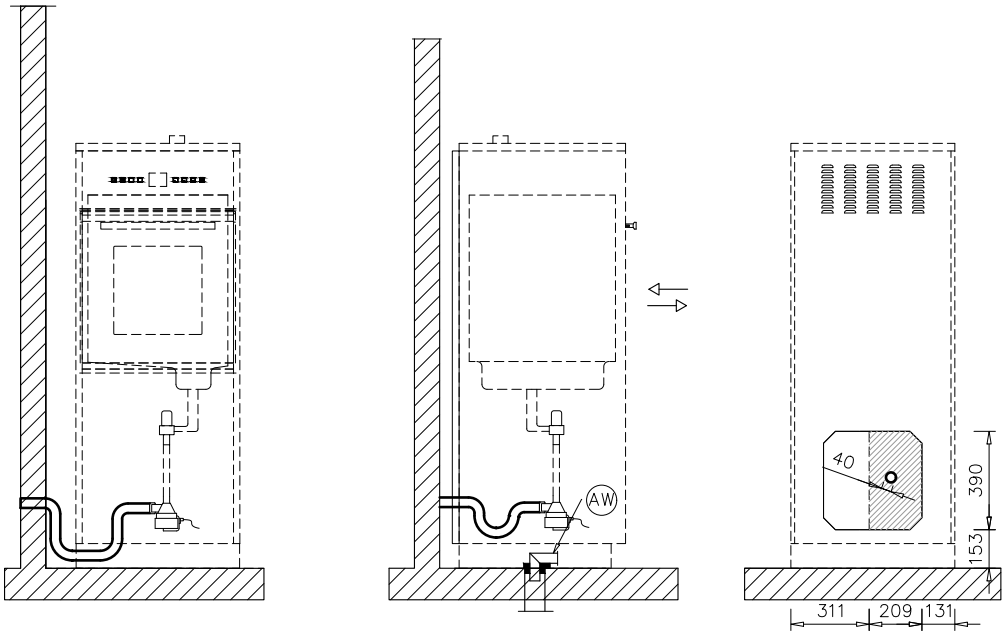
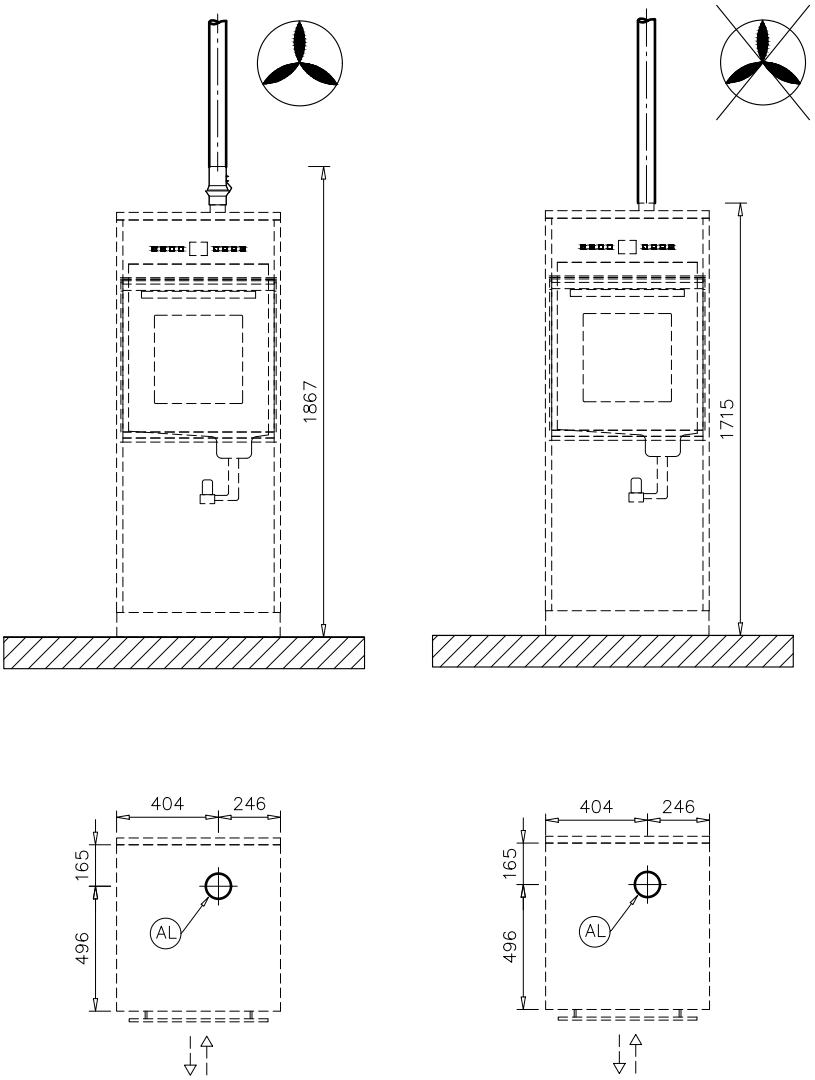


PLW 6011 waste air



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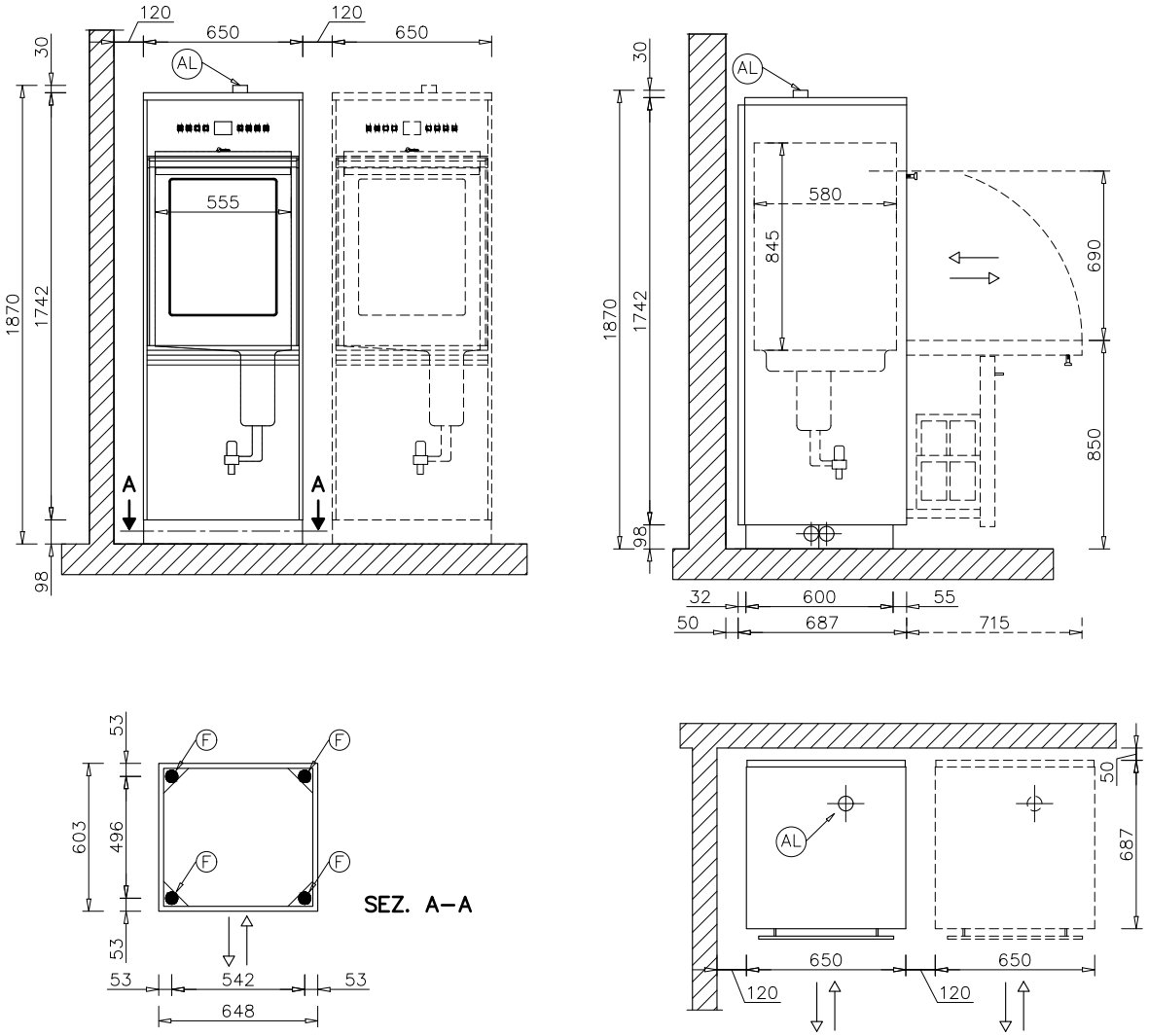

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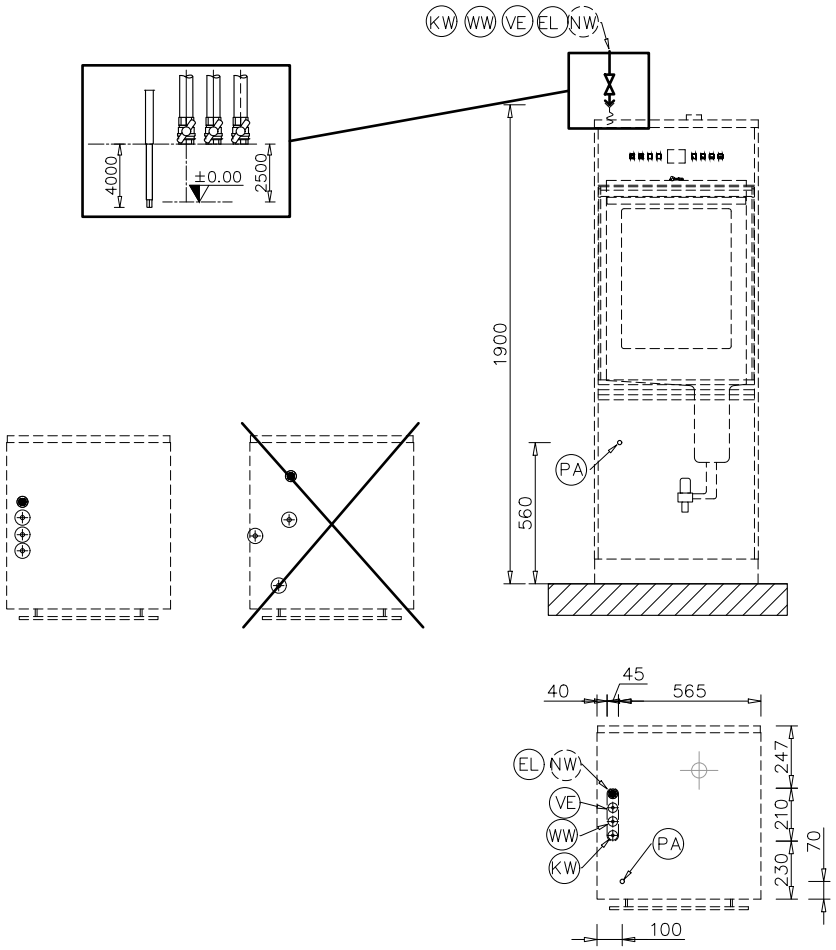

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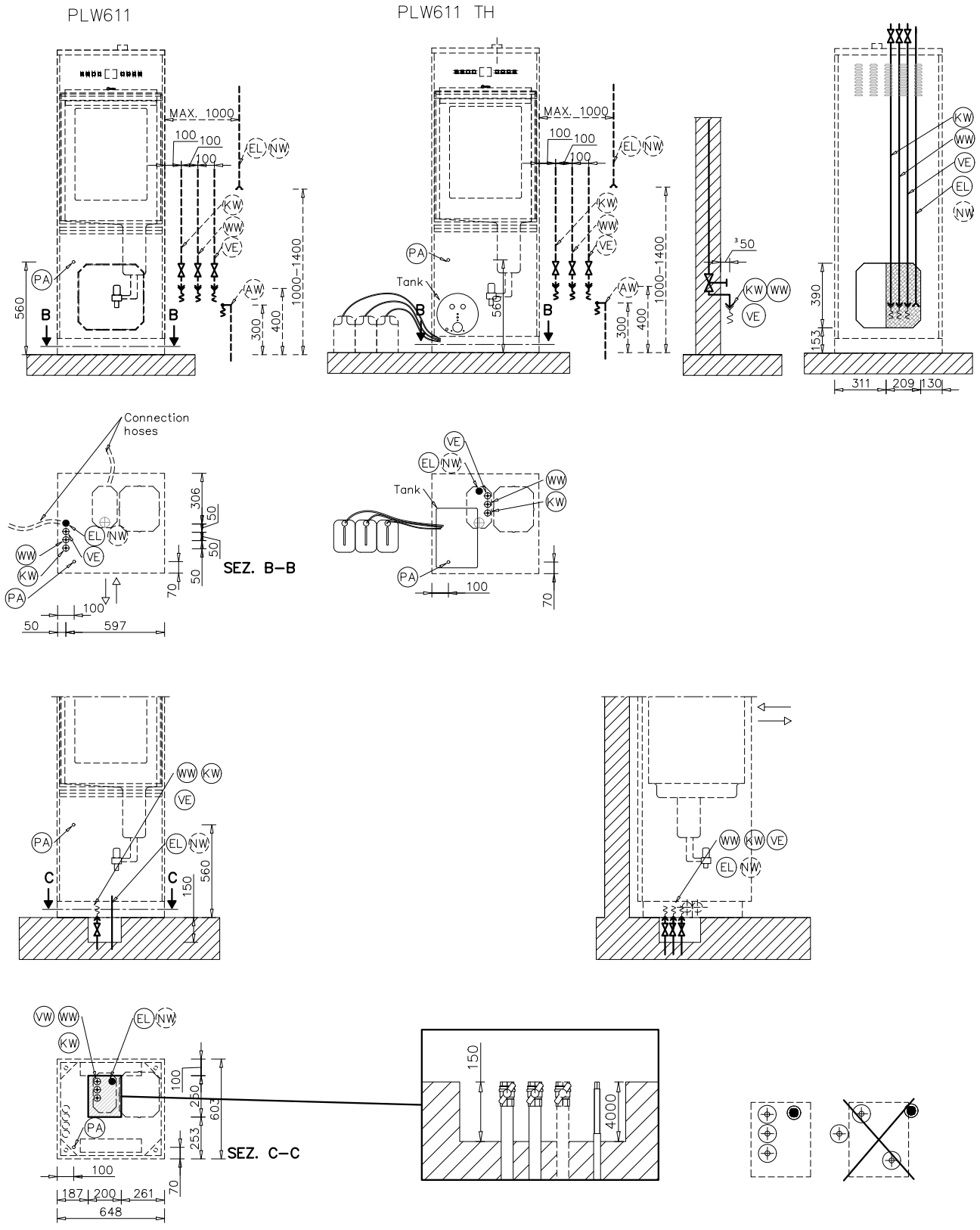
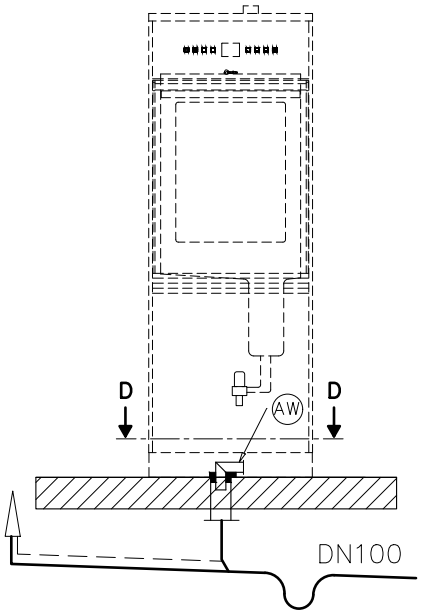
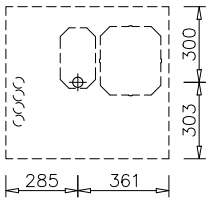


PLW 6111 drain valve / drain pump





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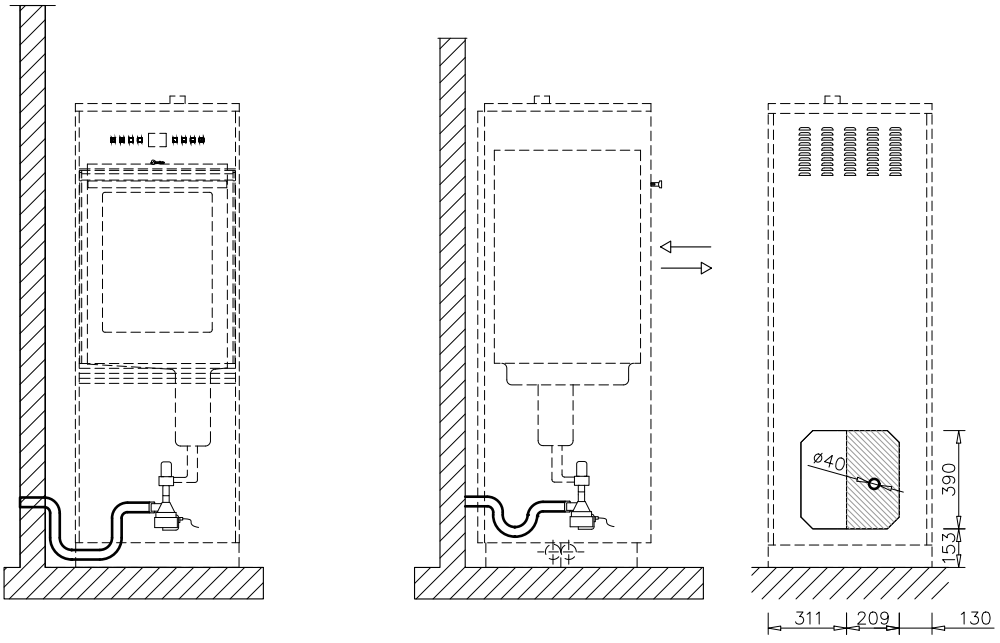

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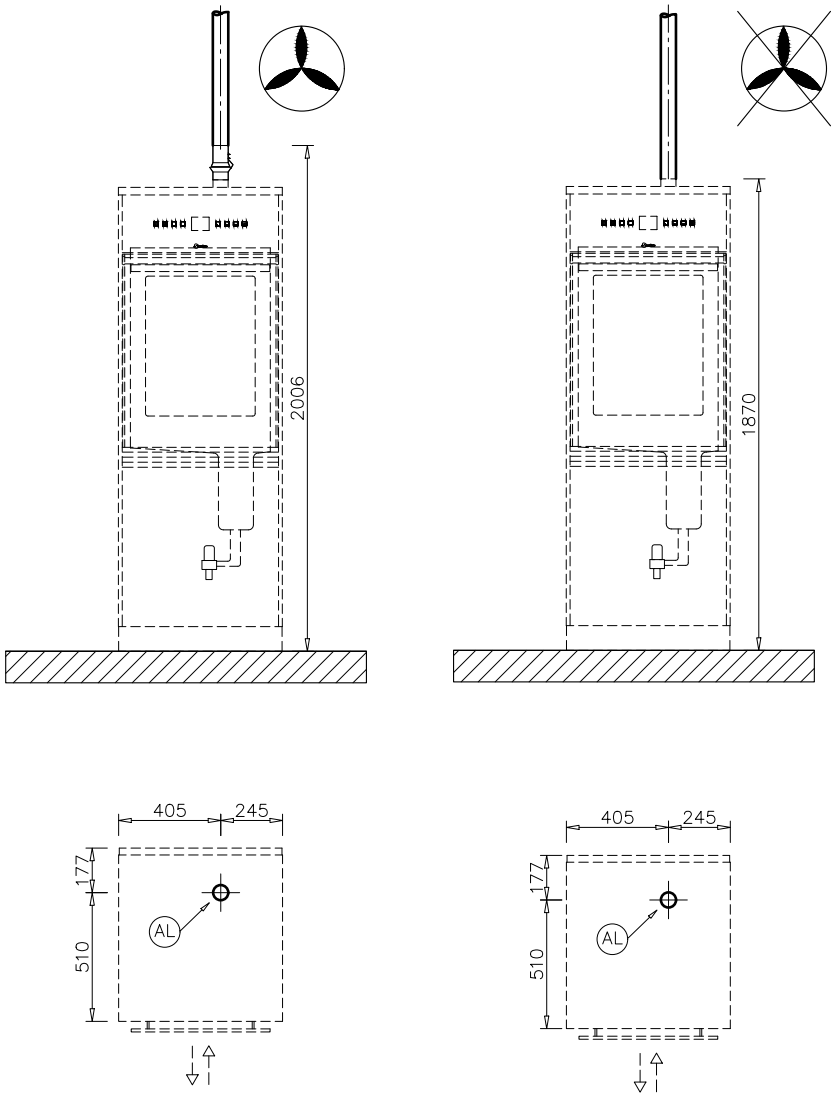
PLW 6111 waste air



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