

INSTALLATION MANUAL



MODELS: AE 061
AE 101
AE 201
AE 102
AE 202

12044977

DEAR CUSTOMER

We would like to thank you for the confidence you have shown in our product on purchasing a professional appliance. We are totally convinced that in time you will be completely satisfied with your purchase.

Take a few minutes of your time and get to know the appliance with this instructions manual and "down to work": the easy to understand graphical information replaces pages full of writing.

Nevertheless, we recommend you thoroughly read this manual compiled by FAGOR's kitchen supervisors, in order to benefit to the maximum from the multiple possibilities and advantages this appliance offers you.

Keep this manual near to the appliance and at all times in an accessible place.

Lastly, we wish you success and hope that you will be fully satisfied with your new oven.

CONTENTS

CONTENTS.....	18
GENERAL SAFETY INSTRUCTIONS	19
GENERAL INFORMATION	19
WARNING.....	19
GENERAL INFORMATION FOR USE.....	19
INSTALLATION MANUAL	20
MINIMUM DISTANCE.....	20
INSTALLATION OF TABLE TOP MODELS	20
ELECTRICAL CONNECTION	21
WATER CONNECTION	23
WASTE WATER CONNECTION.....	24
GENERAL MEASUREMENTS AND CONNECTIONS	25
REMOVAL FROM PALLETS INSTRUCTIONS.....	30

GENERAL SAFETY INSTRUCTIONS

GENERAL INFORMATION

If the appliance is not used for long periods of time, the water and electricity supplies should be disconnected.

WARNING

The installation, incorrect adjustment, inappropriate maintenance or use of the appliance may cause material damages and injuries. Before commissioning the appliance, carefully read the instructions contained in this manual.

Do **not** store or use gases or explosive liquids near the appliance, or introduce liquids containing alcohol inside the machine.

When the oven is hot, do **not** open the door suddenly (danger of burns due to hot steam). Do **not** put cold water in the chamber when it is hot.

Repairs or adjustments carried out by personnel not belonging to FAGOR INDUSTRIAL SAT (Technical Assistance Service) or an authorised SAT will imply the cancellation of the oven warranty.

The installer of the oven must complete the CHECK LIST, after checking the following:

- Electrical connection
- Pneumatic connection
- Hydraulic connection
- Waste water connection
- Conditions of installation
- Conditions of installations
- Explication to user of the general working of the oven (use and maintenance)

GENERAL INFORMATION FOR USE

Before switching on the newly installed appliance for the first time, the inside should be cleaned with a cloth soaked in soapy water. Then switch on the empty oven in Steam mode for ½ hour to eliminate the odours associated with a new appliance.

Before switching on the appliance, check that the mains water tap is open.

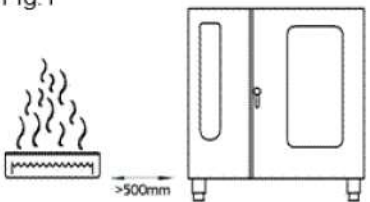
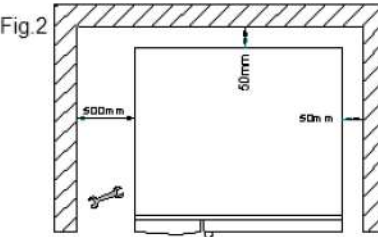
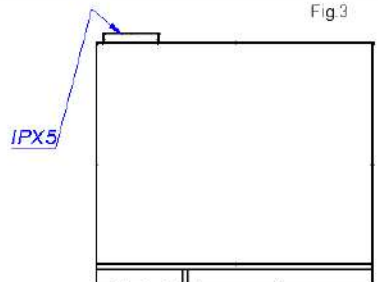
If the oven is not going to be used for a long period of time, the mains water tap should be closed.

Open the oven door carefully to avoid burns from the steam.

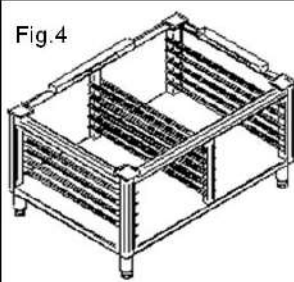
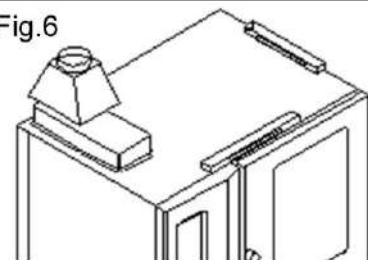
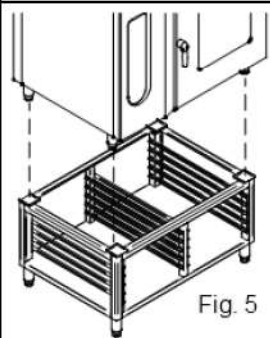
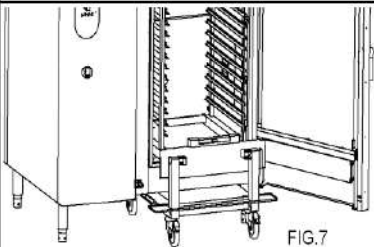
The oven should always be installed below a steam extractor hood.

INSTALLATION MANUAL

MINIMUM DISTANCE

Fig.1 	Minimum distance from other sources of heat on the left side 400 mm. Fig. 1 Warning: An excessive room temperature on the left-hand side of the appliance may trigger the appliance safety disconnection.
Fig.2 	We recommend a distance of 500 mm on the left-hand side of the appliance to leave room for repair and maintenance work. Fig. 2 In any case the unit must maintain a minimum distance of 50 mm. with respect to the walls.
Fig.3 	The IPX5 plate must be fastened on the rear of the ovens. Fig. 3 Check the ovens are stable

INSTALLATION OF TABLE TOP MODELS

Fig.4 	Level the frame horizontally before placing the oven on the frame. Fig. 4	Fig.6 	The appliance must be horizontally level. Fig. 6
Fig.5 	Rest the oven on the frame and line up the supports with the holes on the frame. Fig. 5	Fig.7 	(Optional in model 202) The mobile load trolley (optional) must be horizontal on the appliance. Fig. 7

ELECTRICAL CONNECTION

An AUTHORISED TECHNICIAN should always carry out the appliance's electrical connection.

The legal standards in force in each country on connections to the mains should be taken into account.

Check that the mains voltage corresponds to that indicated on the nameplate.

Use polychloroprene cable sleeves or other similar materials (Ho5RN-F).

A switch device should be installed next to the appliance for all the phases, with a gap of a minimum of 3 mm between contacts. This switch will be equipped with fuses.

The appliance must be earthed, from the connection strip of the appliance to the earth connection of the main power supply.

The manufacturer will not be held liable for damage originated by failure to observe this requirement.

To access the connection strip, release the left side panel (Fig 8), pass the cable hose through the stuffing box on the exterior base and connect as shown on the strip.

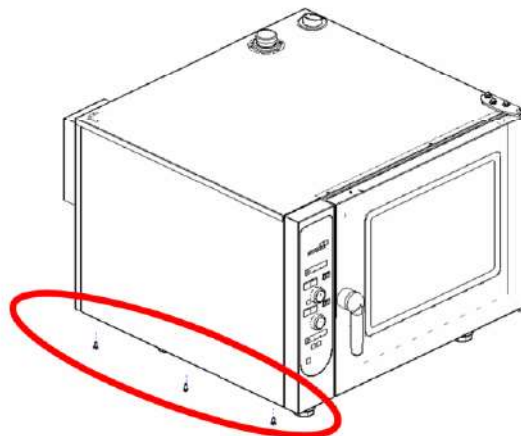


Fig. 8

VERY IMPORTANT: Before installing the left side panel, attach the electrical supply hose securely to the stuffing box.

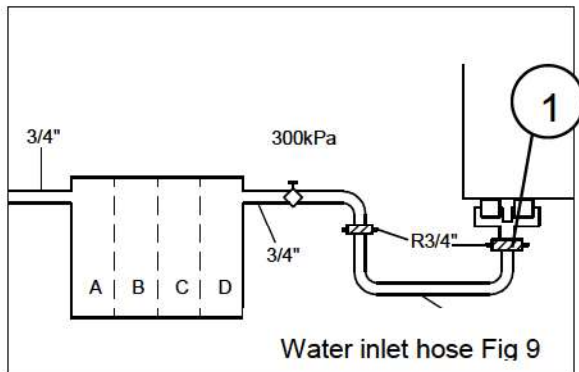
When several appliances are installed in series, they should be earthed to each other using the point assigned for this purpose, located in the fryers base, at the back.

HOSE CROSS SECTION AND FUSE RATINGS

SUPPLY VOLTAGE	CABLE SECTION	FUSE RING FUSE	DIFFERENTIAL DEVICE
400 V 3N 50-60Hz	3x1.5 mm ² + N+T	16 A	300 mA
230 V 3N 50-60Hz	3x4 mm ² +T	32 A	300 mA
TOTAL POWER kW		9.5	
SUPPLY VOLTAGE	CABLE SECTION	FUSE RING FUSE	DIFFERENTIAL DEVICE
400 V 3N 50-60Hz	3x6 mm ² + N+T	32 A	300 mA
230 V 3N 50-60Hz	3x10 mm ² +T	63 A	300 mA
TOTAL POWER kW		18.5	
SUPPLY VOLTAGE	CABLE SECTION	FUSE RING FUSE	DIFFERENTIAL DEVICE
400 V 3N 50-60Hz	3x16 mm ² +N+T	63 A	300 mA
230 V 3N 50-60Hz	3x35 mm ² +T	100 A	300 mA
TOTAL POWER kW		37	
SUPPLY VOLTAGE	CABLE SECTION	FUSE RING FUSE	DIFFERENTIAL DEVICE
400 V 3N 50-60Hz	3x10 mm ² + N+T	63 A	300 mA
230 V 3N 50-60Hz	3x25 mm ² +T	100 A	300 mA
TOTAL POWER kW		30	
SUPPLY VOLTAGE	CABLE SECTION	FUSE RING FUSE	DIFFERENTIAL DEVICE
400 V 3N 50-60Hz	3x25 mm ² + N+T	125 A	300 mA
230 V 3N 50-60Hz	3x70 mm ² +T	180 A	300 mA
TOTAL POWER kW		61	

APE 061**APE 101****APE 201****APE 102****APE 202**

WATER CONNECTION



Only connect drinking water to the appliance.

Connect the appliance to the mains water supply at point 1 (Fig9) using the hose supplied.

The pressure of the incoming water should be between 200 and 400 kPa (2-4 kg/mm²). We recommend 250 kPa.

The water used should have the following properties:

PH 6.5÷7.5

Chlorides < 150mg/litre

Chlorine concentration 0.2÷0.5 mg/litre

Conductivity 400÷2000 µS

Water impurities Ø < 0.08 mm

Water hardness 5-10°F

Recommended filters:

A) Fine filter.

If the water contains impurities such as sand, iron particles or floating substances, we recommend the use of a fine filter at the water input.

B) Activated carbon filter.

If the water has a high chlorine content over 0.2 mg/l (ppm) (this information can be obtained from the relevant water board), an activated carbon filter should be installed.

C) Installation of osmosis recirculation.

When the chloride concentration is above 150 mg/l (ppm) (this information can be obtained from the relevant water board), an osmosis recirculation installation should be mounted. In this case, please remember that the minimum conductivity value is 400 µS/cm.

D) Water descaling:

For water with a high level of limescale (without chloride load) the water should be treated. Systems: H+. Interchange of ions or Kleensteam. We strongly advise against the use of sodium exchangers (normally used in dish washers) due to the formation of sodium sediment and the delay in boiling with common salt.

We recommend the manufacturer, Britta, for the selection of filter systems (A, B, C, D).

Warnin: Before connection, look at the label that shows which is the water inlet.

WASTE WATER CONNECTION

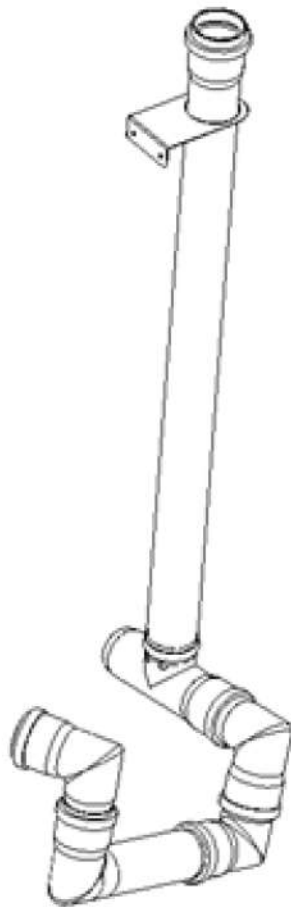


Fig. 12

Use steam temperature resistant tubing, any flexible hose.

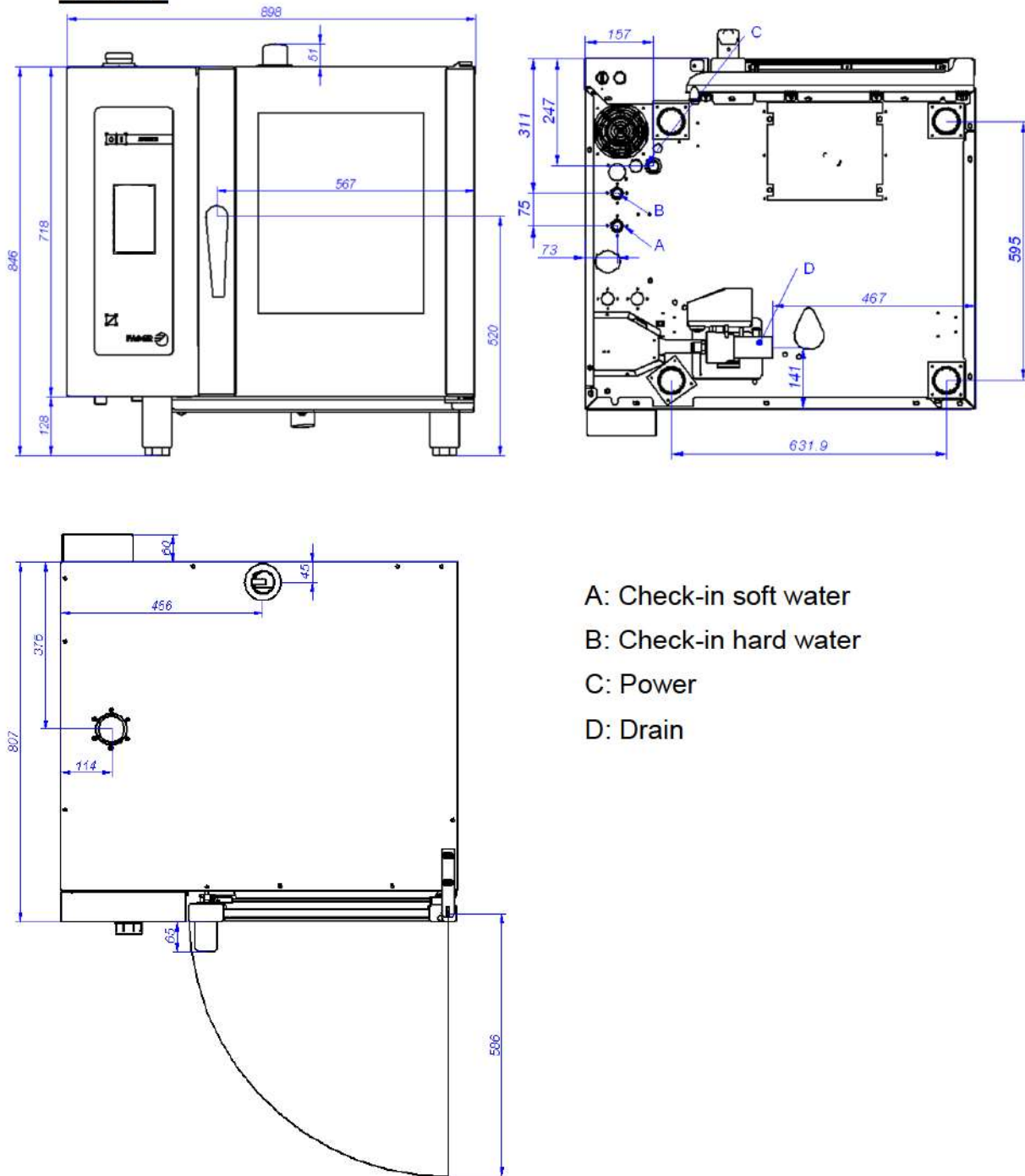
The drain can be installed using a U-bend. For the optimum performance it is recommended to use the drain KIT reference 19012125. Fig12

Observe the proper dimensions for drainage:

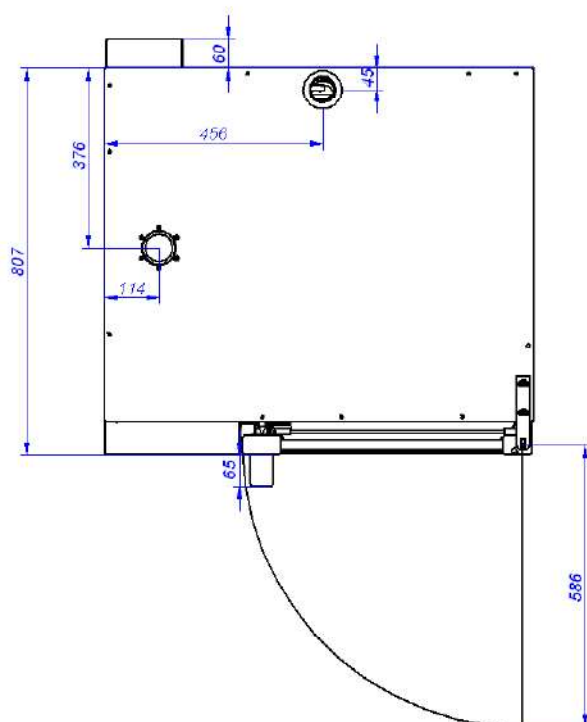
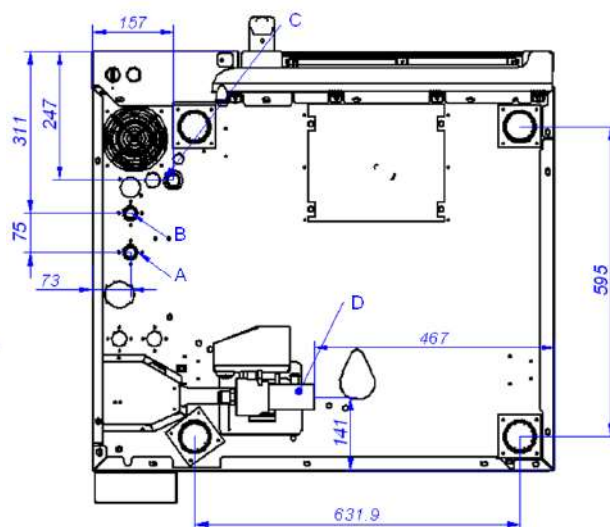
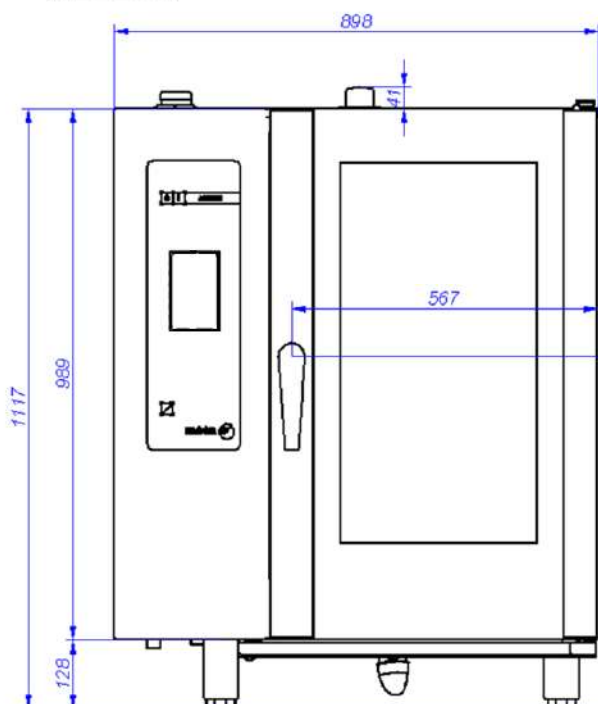
- The pumping volume of the steam generator in a small space of time: 0,7l/sec
- The average residual water temperature :65°C

GENERAL MEASUREMENTS AND CONNECTIONS

APE 061

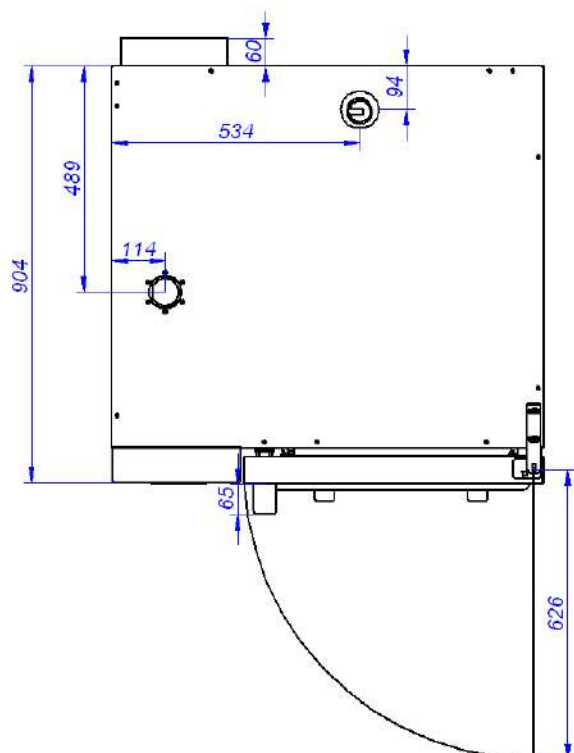
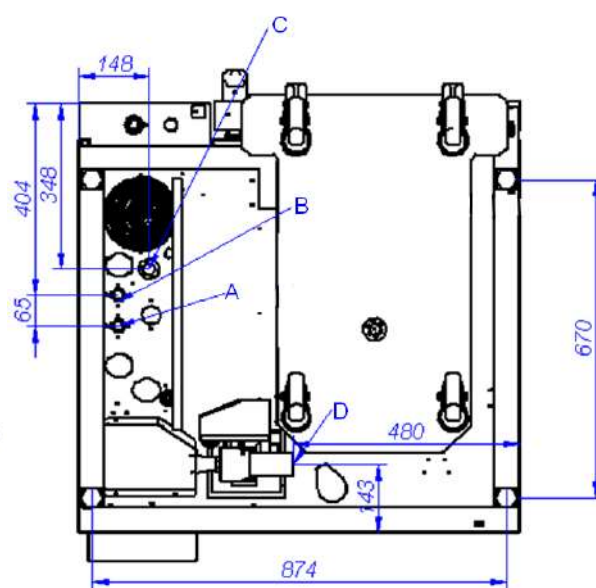
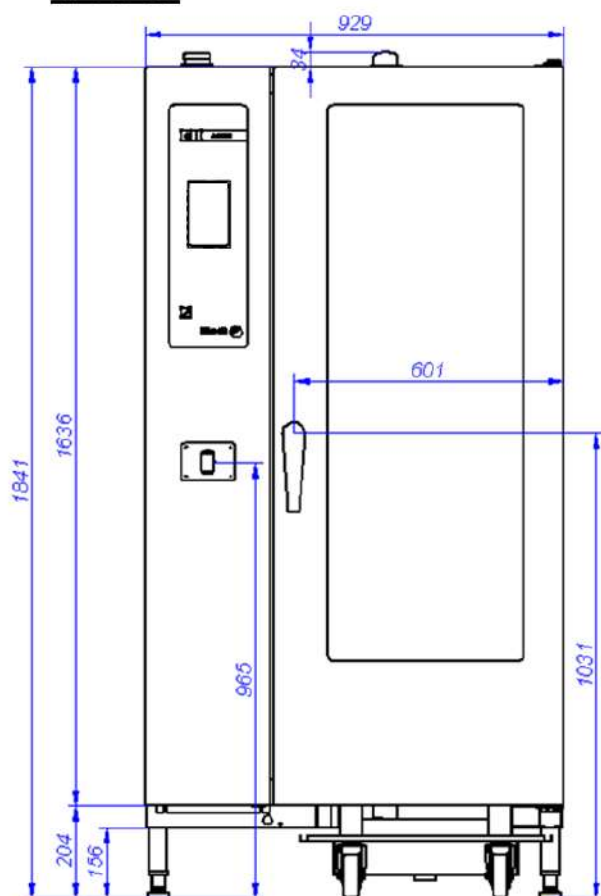


APE 101



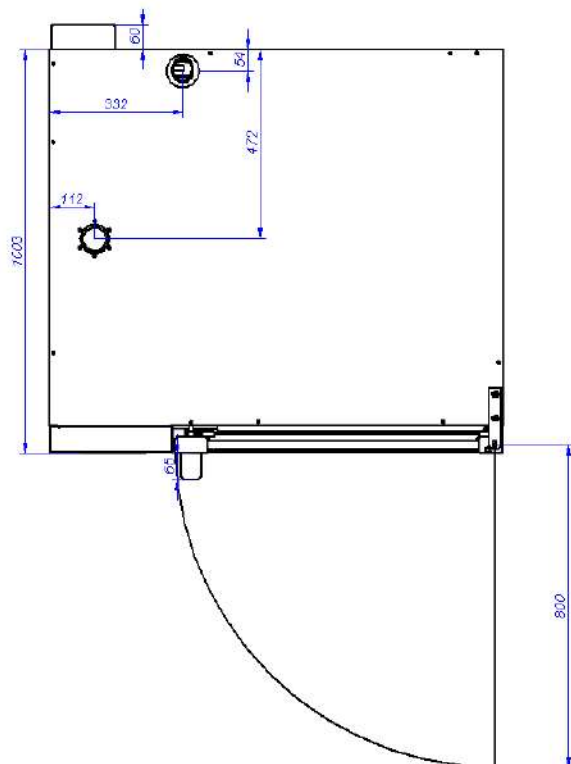
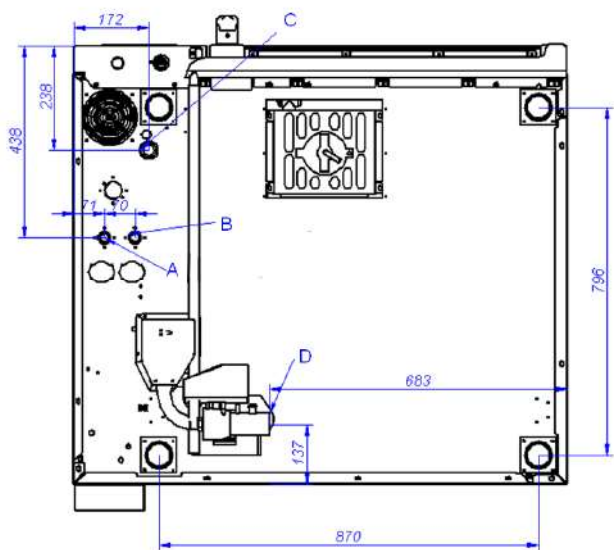
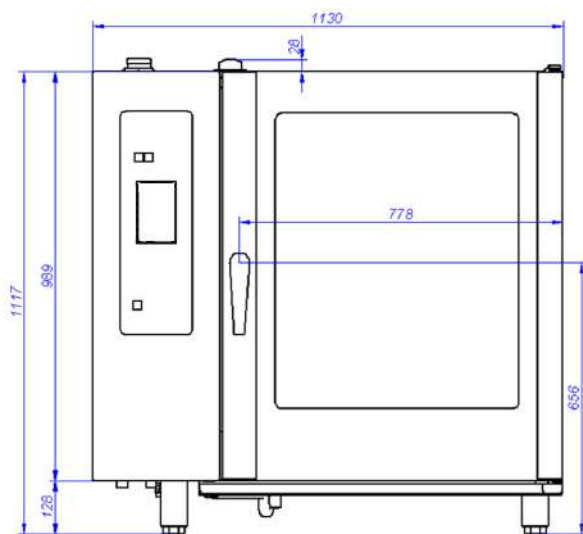
- A: Check-in soft water
- B: Check-in hard water
- C: Power
- D: Drain

APE 201



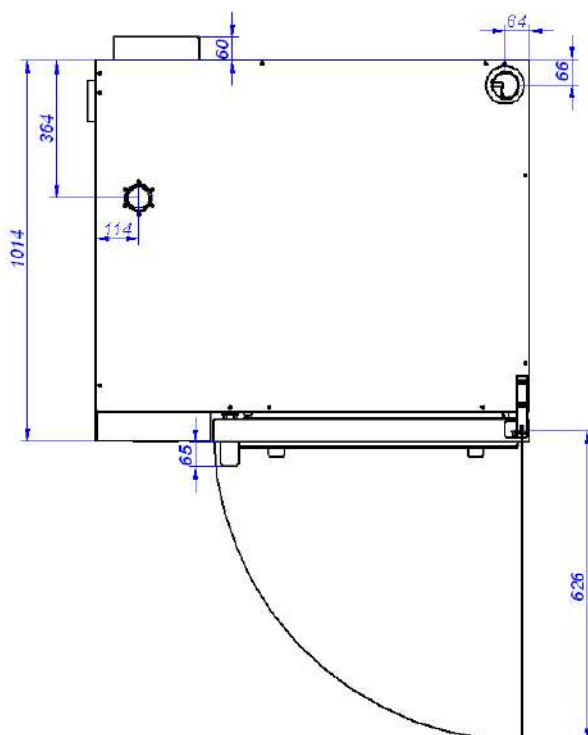
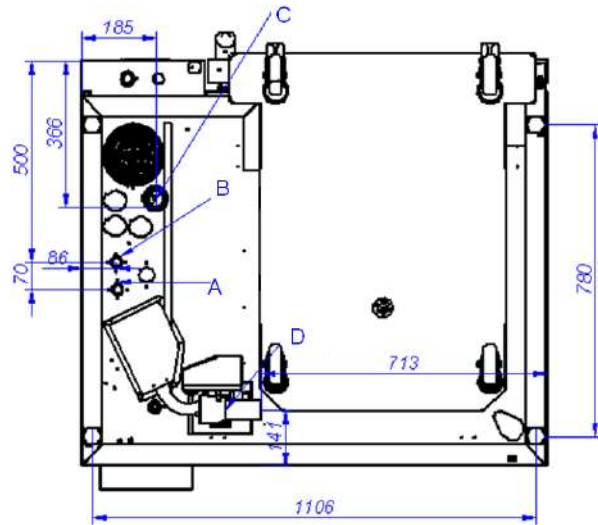
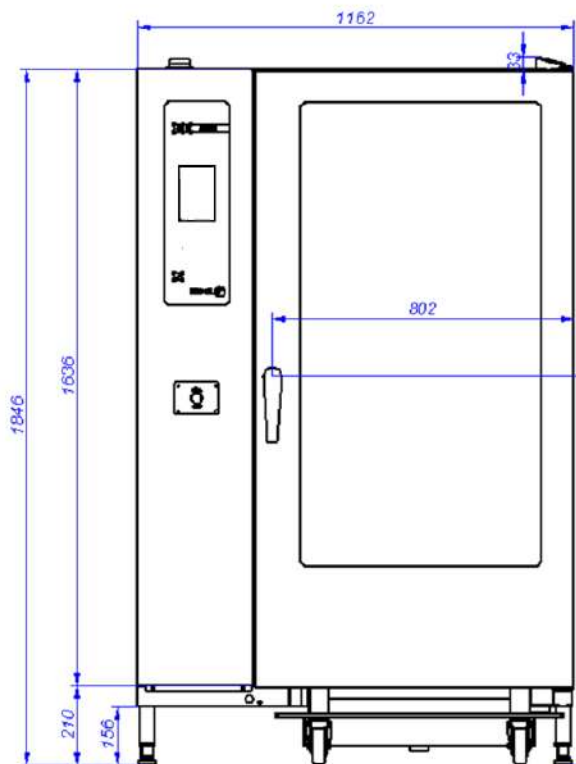
- A: Check-in soft water
- B: Check-in hard water
- C: Power
- D: Drain

APE 102



- A: Check-in soft water
- B: Check-in hard water
- C: Power
- D: Drain

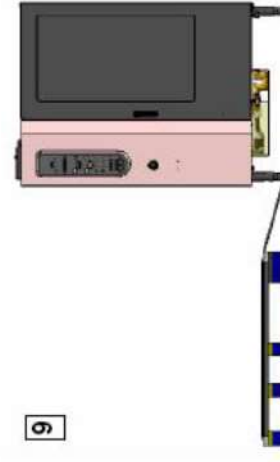
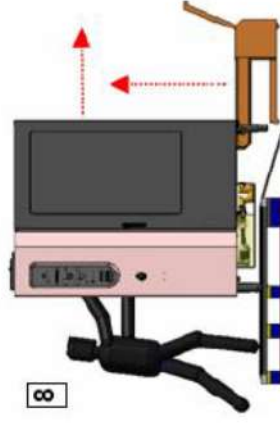
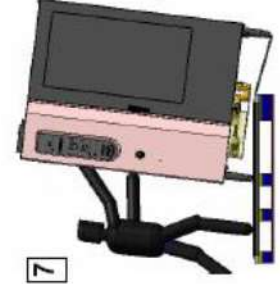
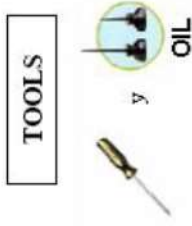
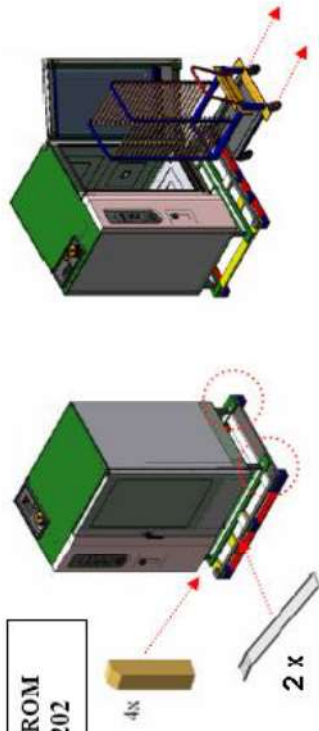
APE 202



- A: Check-in soft water
- B: Check-in hard water
- C: Power
- D: Drain

REMOVAL FROM PALLETS INSTRUCTIONS

REMOVAL FROM
PALLETS 202



INSTALLATIONSHANDBUCH



MODELLE: APE 061
APE 101
APE 201
APE 102
APE 202

12044977