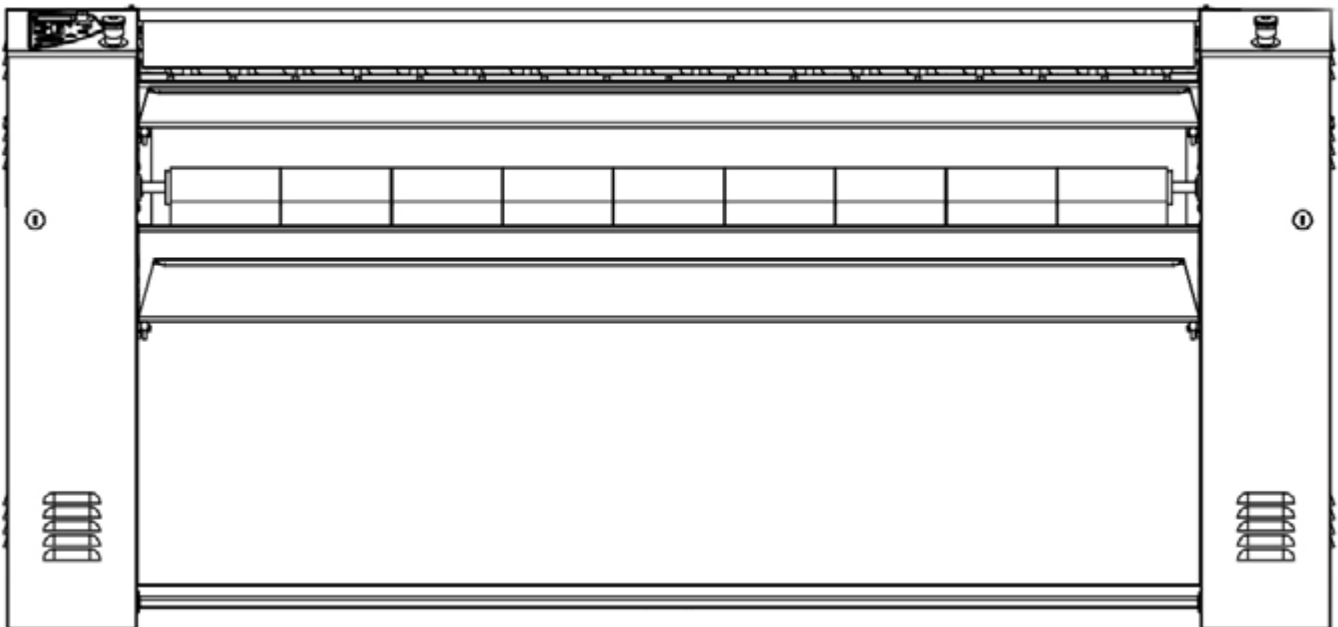


INSTALLATION MANUAL

G line



G 14.25

G 15.35

G 21.50

G 18.35

G 26.50

G 21.35

G 32.50

G 26.35

G 32.35

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DANGER!

Informs of a dangerous situation that, if not avoided, will cause death or severe body injury.



WARNING!

Informs of a dangerous situation that, if not avoided, will cause severe body injury or damage to property.



CAUTION!

Informs of a dangerous situation that, if not avoided, will cause minor body injury or damage to property.

IMPORTANT!

Informs of a procedure that, if not respected, will cause damage to appliance.



WARNING!

Failure to install, maintain, and/or operate the ironer according to the manufacturer's instructions may result in conditions which can produce body injury and/or property damage.



WARNING!

For your safety and to reduce the risk of fire or explosions, do not store or use flammable substances or substances that can generate flammable vapours and in proximity of this appliance.

Do not process with this appliance fabrics containing residuals of flammable substances.

NOTE: The DANGER, WARNING and IMPORTANT instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

It must be understood that common sense, caution, and carefulness must be applied whenever installing, operating or servicing the ironer.



DANGER!

To prevent personal injury, fire or explosion, the ironer may only be positioned, connected, adjusted, installed, and started by fully qualified engineers.

**Read the manual
prior to carrying out any operation.**

Model	G 14.25	G 15.35	G 18.35	G 21.35	G 26.35	G 32.35
Roller Ø	270 mm	325 mm	325 mm	325 mm	325 mm	325 mm
Roller length	1450 mm	1480 mm	1800 mm	2100 mm	2580 mm	3200 mm
Ironing speed	0,8÷3 m/min	1,6÷5 m/min	1,6÷5 m/min	1,6÷5 m/min	1,6÷5 m/min	1,6÷5 m/min
Hourly production	25 kg	43 kg	50 kg	56 kg	75 kg	80 kg
Maximum recommended moisture	50%	50%	50%	50%	50%	50%
Ironer net weight	310 kg	450 kg	490 kg	548 kg	635 kg	715 kg

Table A1

Model	G 21.50	G 26.50	G 32.50
Roller Ø	500 mm	500 mm	500 mm
Roller length	2100 mm	2580 mm	3200 mm
Ironing speed	1,6÷8 m/min	1,6÷8 m/min	1,6÷8 m/min
Hourly production			
electric	75 kg	95 kg	120 kg
gas	85 kg	110 kg	135 kg
steam	95 kg	115 kg	145 kg
Maximum recommended moisture	50%	50%	50%
Ironer net weight	1200	1320	1700

Table A2

TRANSPORT | UNLOADING | UNPACKING

INSPECTION

When ironer is delivered, visually inspect the packing and the parts of the ironer visible through the packing. Before signing any delivery document to the forwarder, make sure the product is delivered intact.

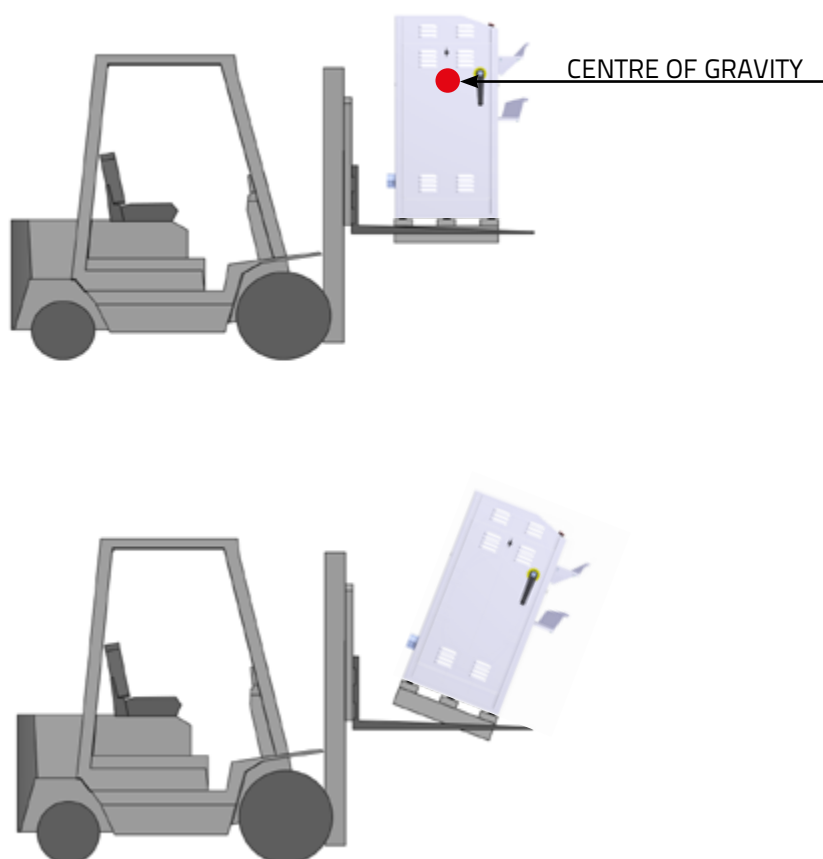
UNLOADING

The ironer must be unloaded from truck and transported keeping forklift forks as wide apart as possible to avoid any torsion to the frame.

In case an unloading with crane is necessary, a balancer should be used to ensure the machine frame remains level during the handling.

IMPORTANT!

To avoid damaging the appliance, do not let it drop when handling.



DANGER!

Remember the center of gravity is high: machine should therefore be handled with extreme precaution, since shocks might cause it to fall.

UNPACKING

Keep all packing (plastic bags, polystyrene foam, nails, screws, metal or plastic straps, etc.) out of reach of children and dispose of suitably, as they are potential sources of danger and pollution.

All packing parts are completely recyclable, so a separate waste sorting should be used whenever possible.

IRONER POSITIONING



CAUTION!

All operations must be carried out by fully qualified engineers.



DANGER!

Make sure that the floor static load limit complies with the equipment weight before positioning the ironer.

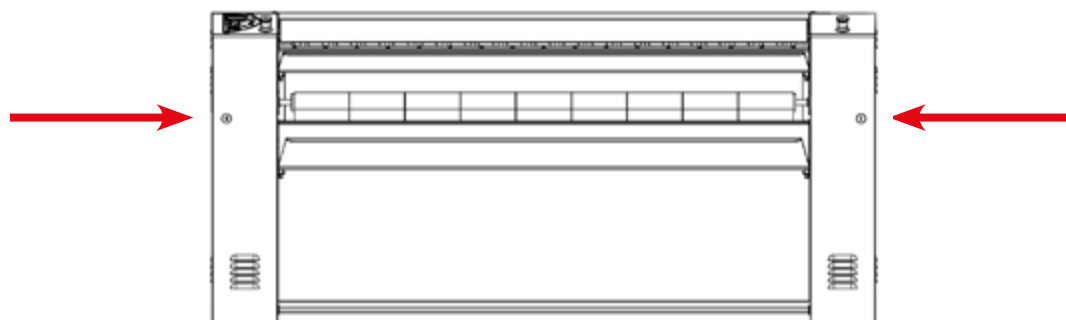
IMPORTANT!

To avoid damaging the appliance, do not let it drop when handling.

G .25 and **G** .35

Open the doors using the key provided and remove the screws fixing the ironer to the pallet.

Slide 2 metal bars having a diameter of 25 mm and a length of 900 mm through the holes provided to the purpose, and hang there 2 sets of belts suitable to lift the ironer weight.



On top of the belts, position a balancer.

Using a forklift, lift up the balancer carefully and place the ironer on the floor, ensuring it is perfectly stable.

G .50

Open the doors using the key provided and remove the screws fixing the ironer to the pallet.

Slide the forklift forks between ironer and pallet, and lift it carefully from the pallet.

Place the appliance on the floor, ensuring it is perfectly stable.

RECOMMENDED CLEARANCE AROUND THE IRONER

For a correct use and operation it is recommended to leave free space around the ironer.

Model	Right	Left	Rear
G 14.25	50 cm	50 cm	50 cm
G 15.35	50 cm	50 cm	50 cm
G 18.35	50 cm	50 cm	50 cm
G 21.35	50 cm	50 cm	50 cm
G 26.35	50 cm	50 cm	50 cm
G 32.35	50 cm	50 cm	50 cm
G 21.50	50 cm	50 cm	70 cm
G 26.50	50 cm	50 cm	70 cm
G 32.50	50 cm	50 cm	70 cm

Table 1

REMOVING THE TRANSPORT SAFETIES

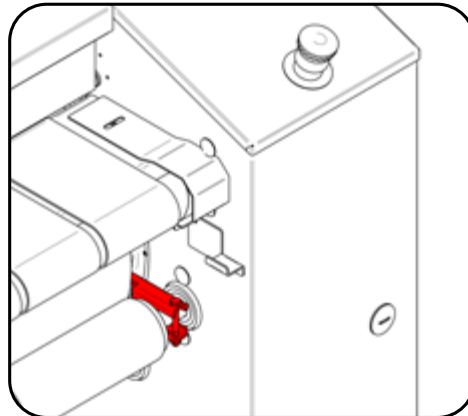
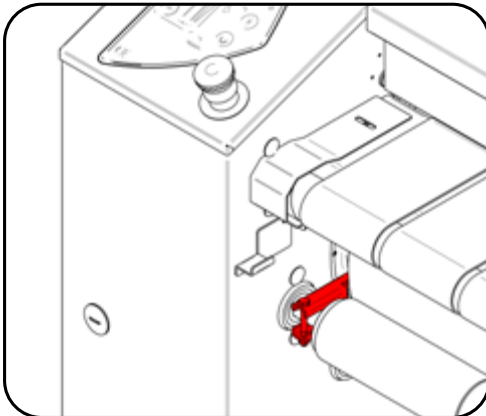


CAUTION!

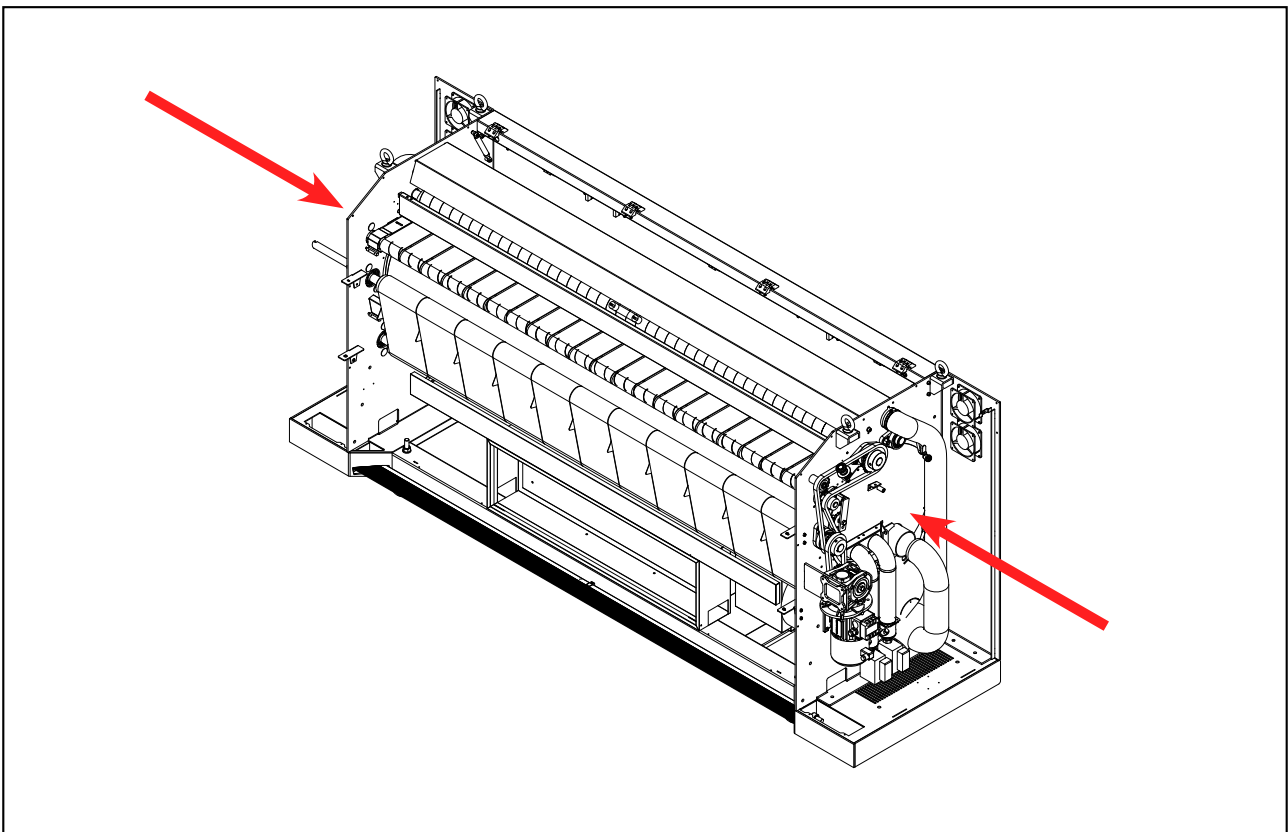
All operations must be carried out by fully qualified engineers.

Before connecting the ironer, it is necessary to remove the safeties installed to protect the machine from damages that might occur during the transport.

G .25 and **G** .35



G .50



Remove the belts sustaining the cylinder weight, on both sides (not used for G32.35).



Remove the screw that fix the transport safeties to the panels and remove the safeties.
Repeat the operation on both sides.
DO NOT DISCARD THE SCREWS.



Remove the transport safeties.



Install the centering teflon guides (2 pcs) that come with the machine. The set is packed inside the left side panel. Fix the centering guides using the screws removed before.

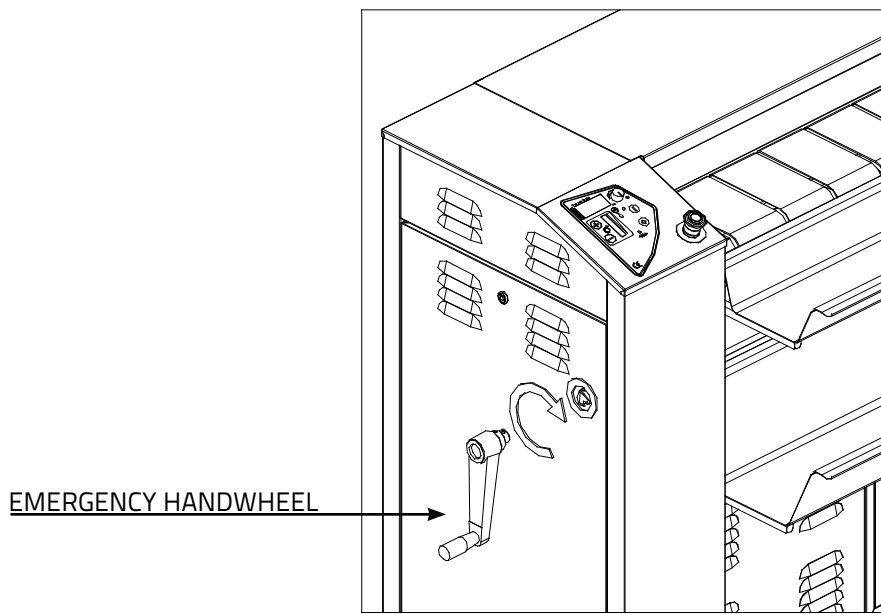


REMOVING THE ANTIOXIDANT PAPER (models with polished cylinder only)

The ironing cylinder is protected from oxidation effects by an anti-oxidation paper that **MUST** be removed on the first installation.

Don't discard the protective paper: wrap it on the ironing cylinder again in case of a prolonged inactivity of the machine (~ more than 1 week).

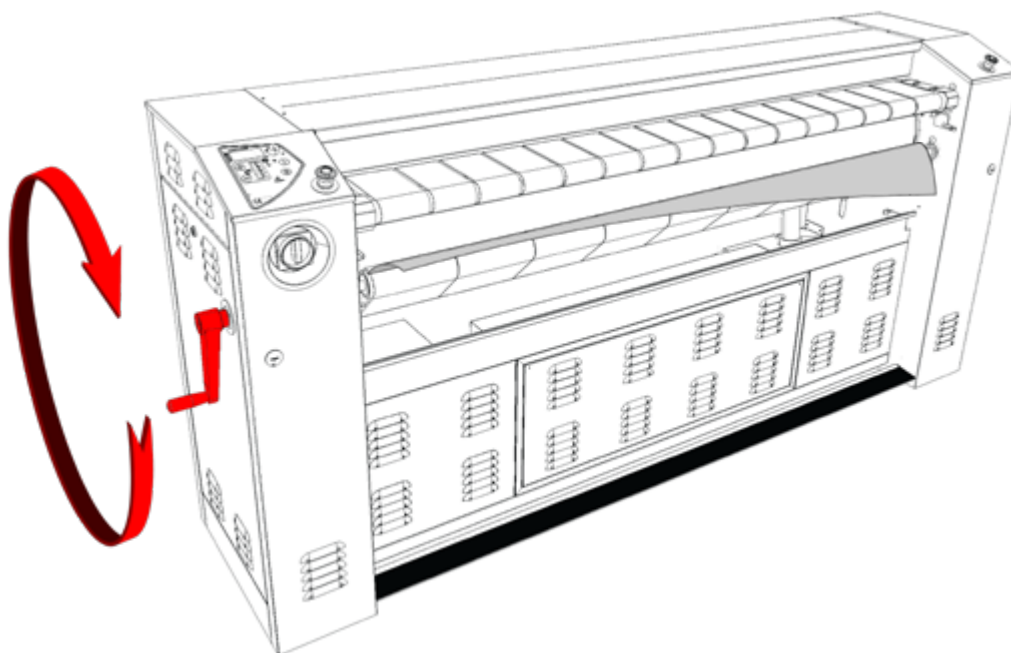
STEP1: Insert the emergency handwheel to the ironer left side as illustrated in the figure below:

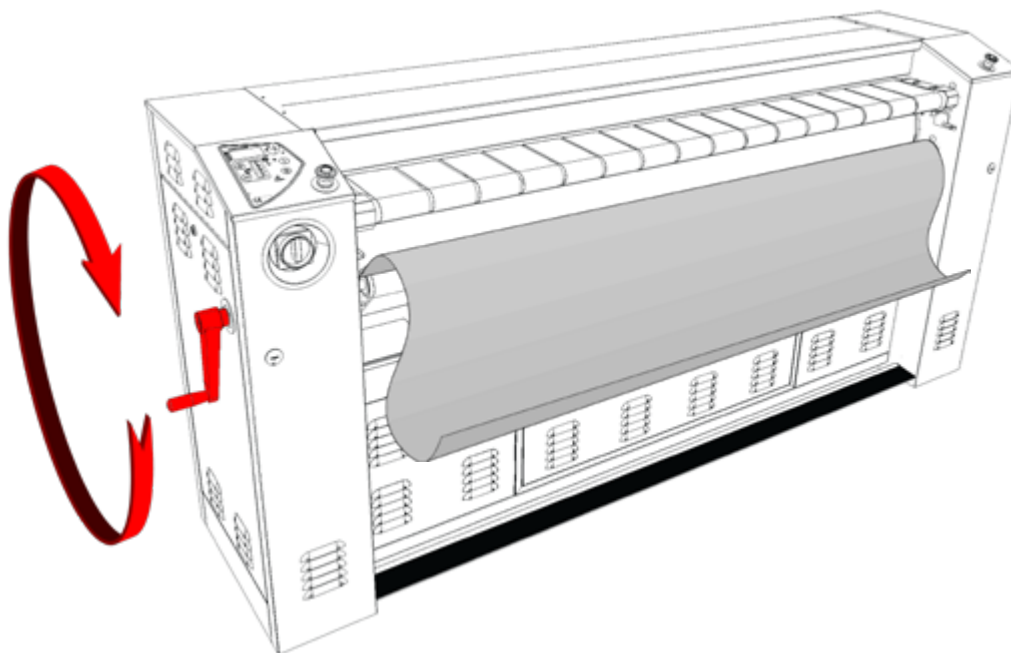


STEP 2: Turn clockwise the handwheel. The anti-oxidation paper will start coming out.

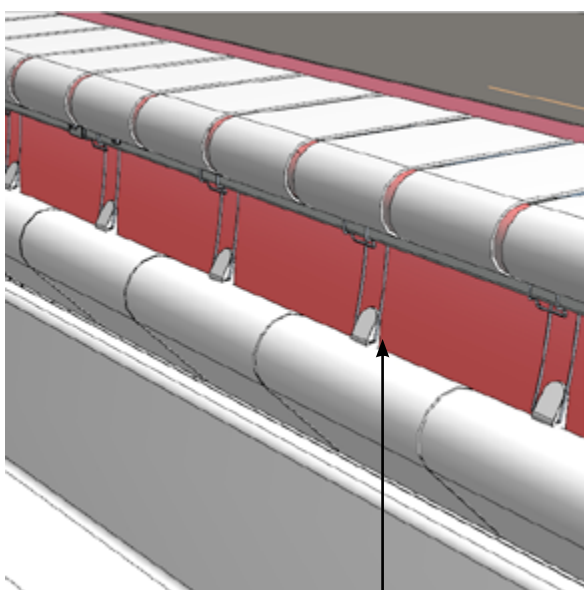
IMPORTANT!

Make sure that paper does not get stuck or trapped in any component.

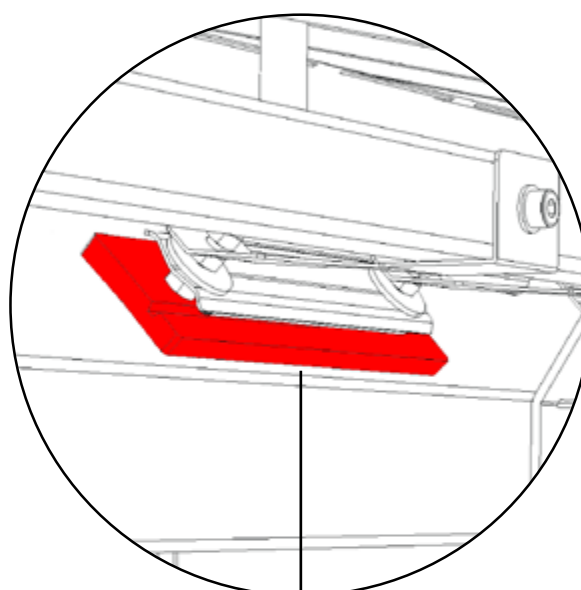




STEP 3: Complete the operation making sure that the detaching linen springs and the brass plates supporting the thermostat sensors are perfectly in contact with the cylinder.



DETACHING LINEN SPRING



BRASS PLATE



WARNING!

Disconnect the handwheel before starting the ironer.

IMPORTANT!

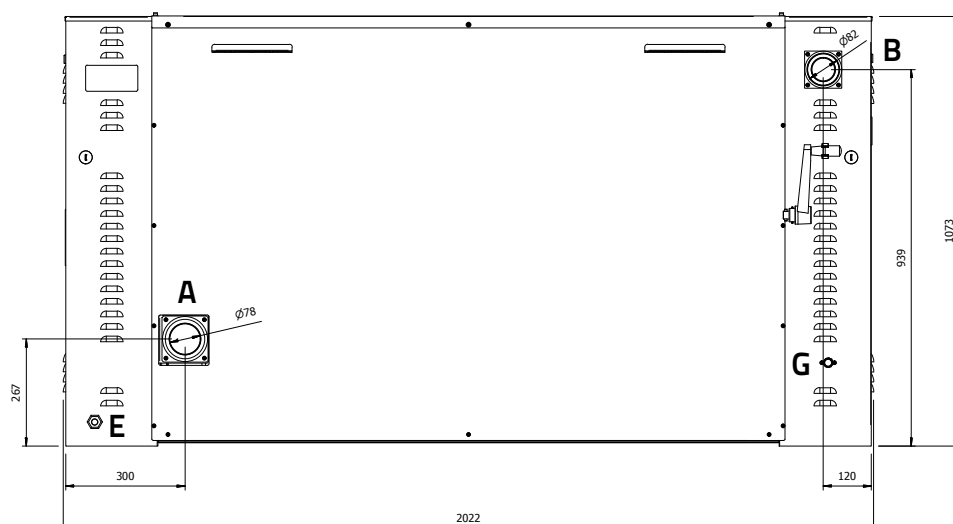
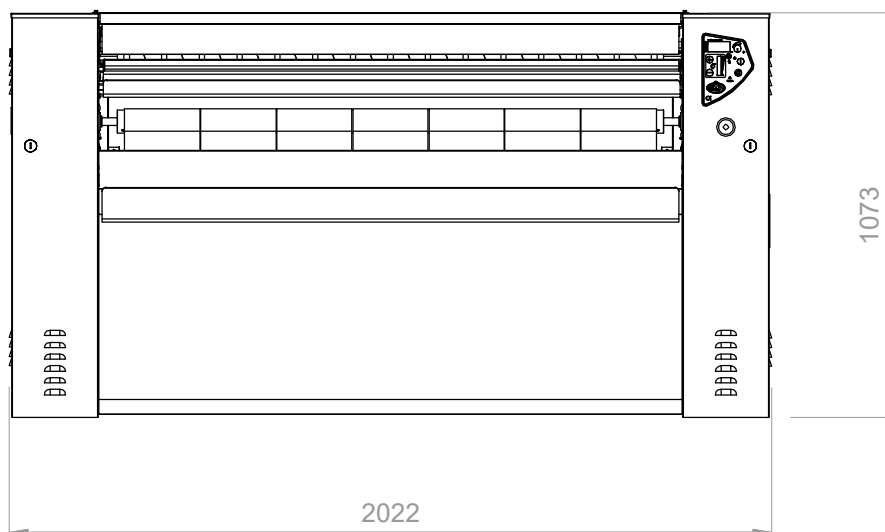
Do not tear the paper, and make sure no piece of paper remains inside the ironer when heating is activated.

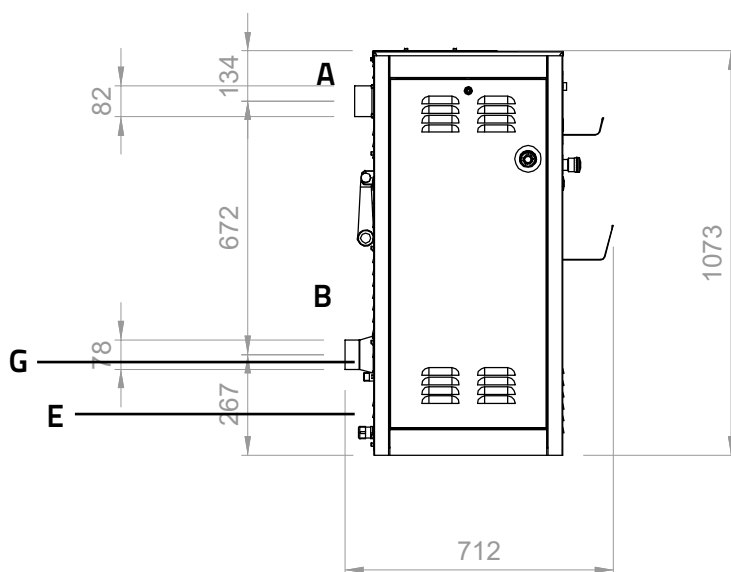
IF THE EQUIPMENT IS NOT INSTALLED AND USED IMMEDIATELY, IT SHOULD BE STORED IN A DRY PLACE:

- Care should be taken that condensation does not occur: if condensation occurs, cylinder will be subject to oxidation.
- In case of extreme ambient conditions during transport or storage, double-check the state of the cylinder surface looking for oxidation traces.
- In case of storage periods longer than 30 days, a systematic inspection schedule should be established.
- In case of oxidation, coat the cylinder with protective anti-oxidation treatment.

CONNECTIONS SCHEME

G 14.25

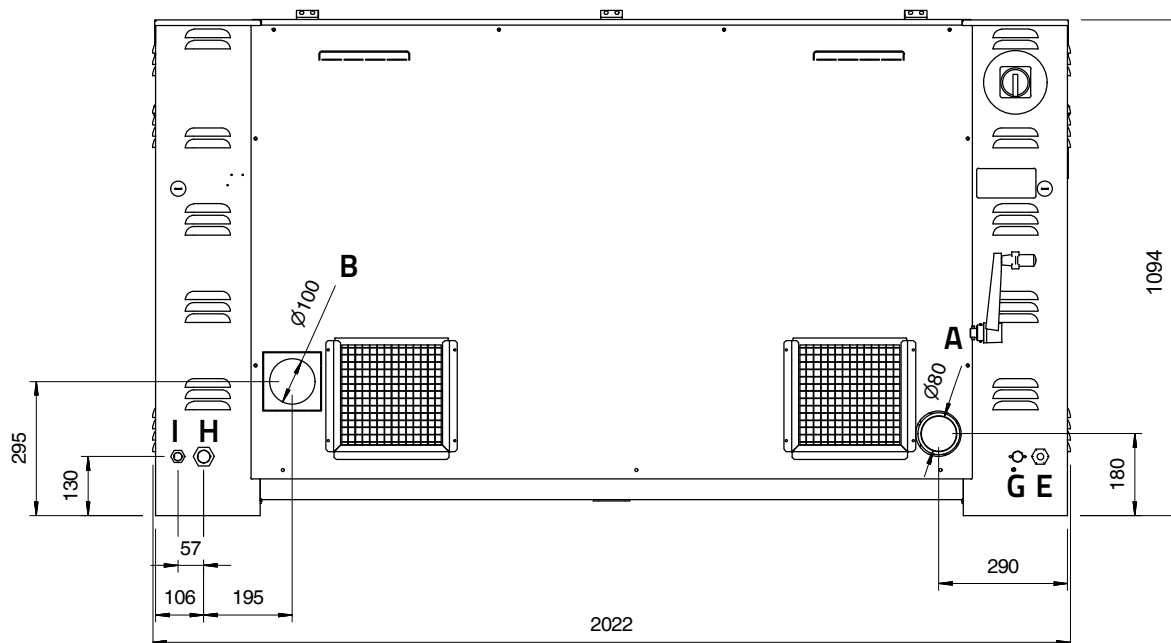
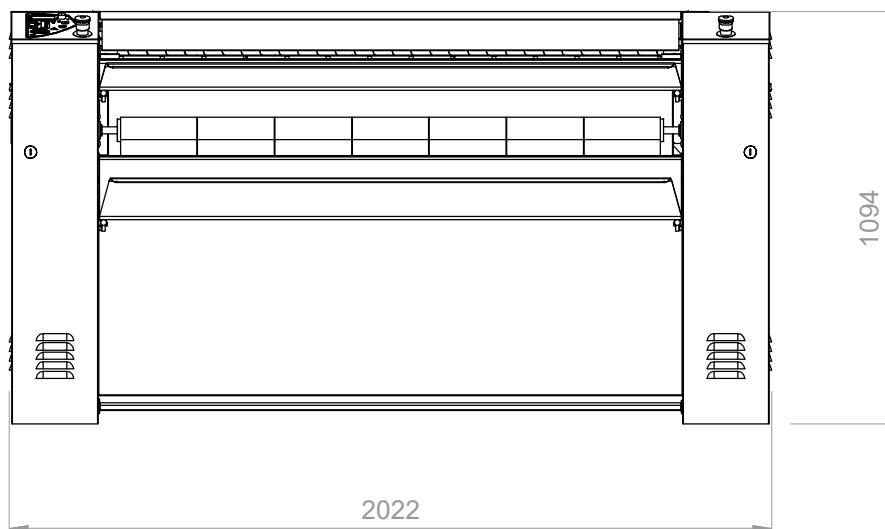


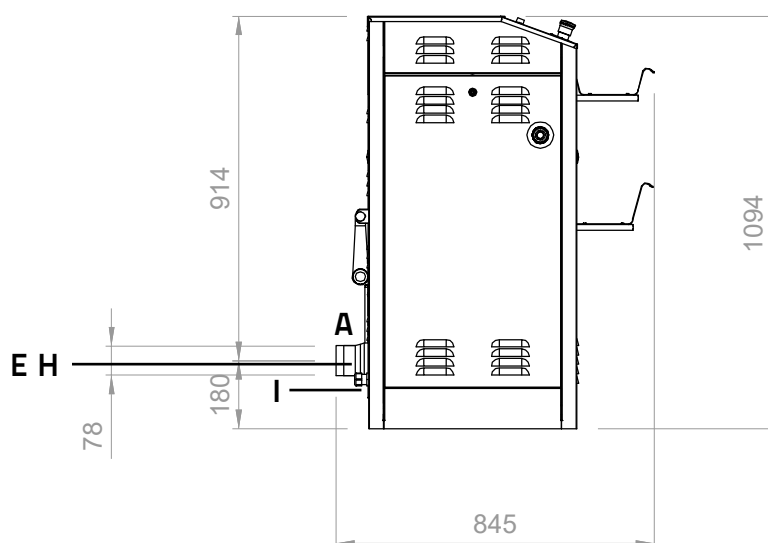


LEGEND

Letter	Correspondence	Notes	
A	Steam output		Ø78 mm, 280 m ³ /h
B	Fumes output	Gas heated models only	Ø80 mm, 100 m ³ /h
E	Electricity connection		PG21
G	Gas connection	Gas heated models only	G 1/2" M

Table 2A

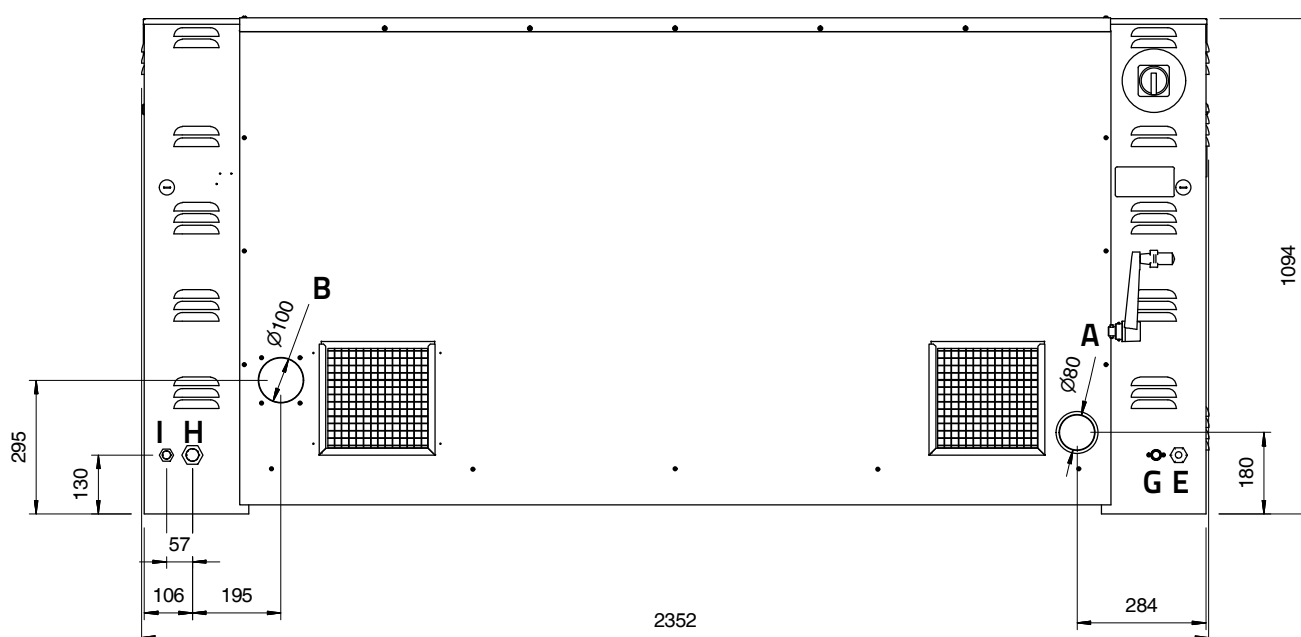
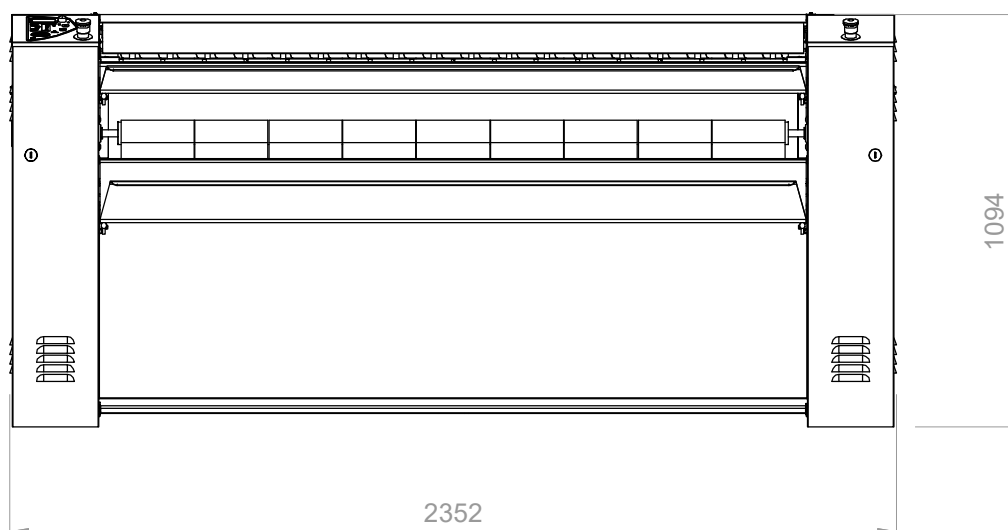


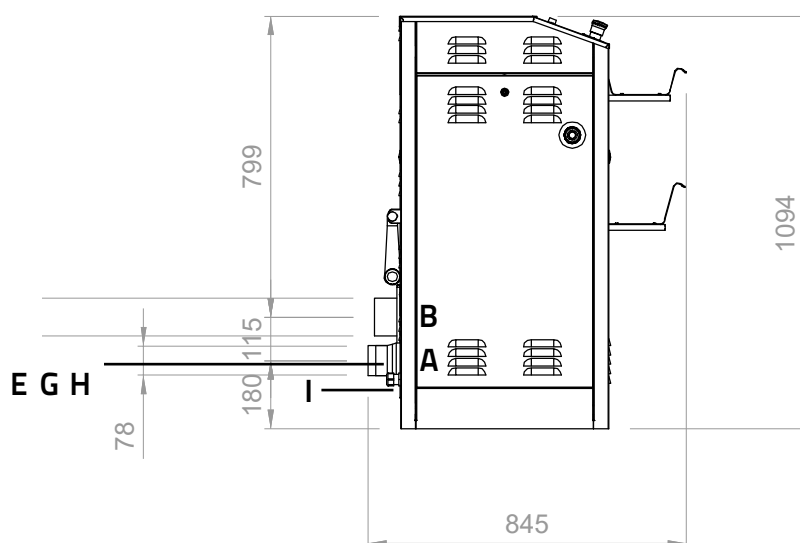


LEGEND

Letter	Correspondence	Notes	
A	Steam output		Ø80 mm, 280 m ³ /h
B	Fumes output	Gas heated models only	Ø100 mm, 140 m ³ /h
E	Electricity connection		PG21
G	Gas connection	Gas heated models only	G 1/2" M
H	Steam connection	Steam heated models only	3/4" M
I	Condensate exit	Steam heated models only	3/8" M

Table 2B





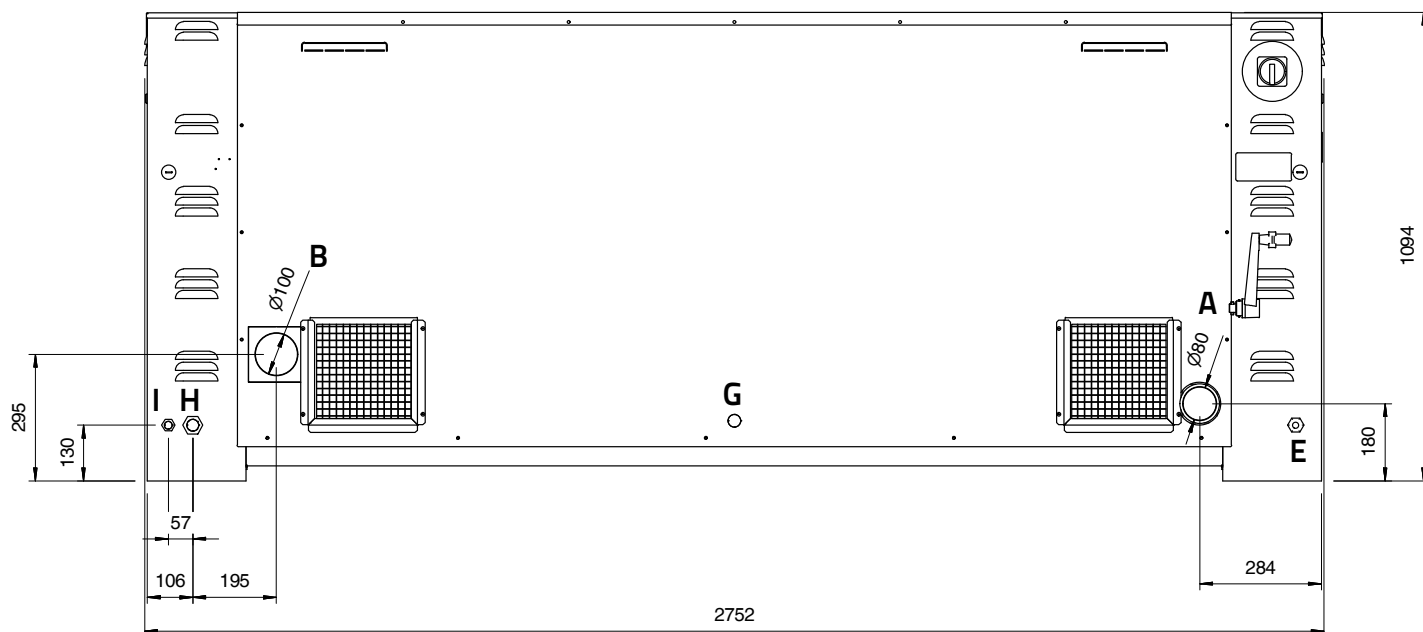
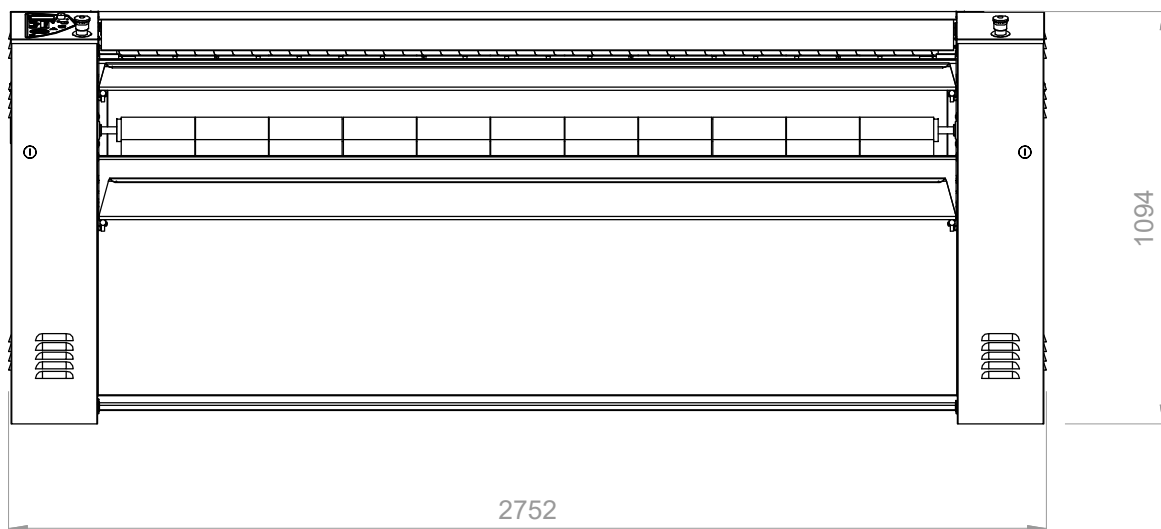
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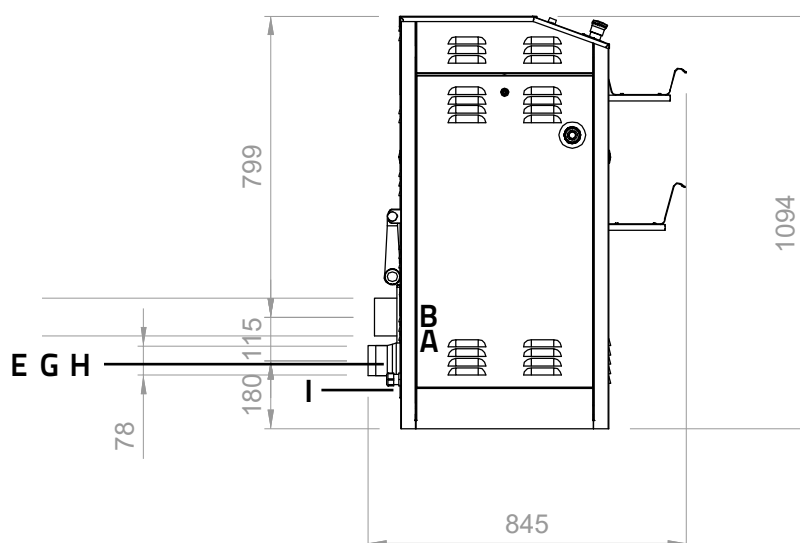
Letter	Correspondence	Notes	
A	Steam output		Ø80 mm, 280 m ³ /h
B	Fumes output	Gas heated models only	Ø100 mm, 140 m ³ /h
E	Electricity connection		PG21
G	Gas connection	Gas heated models only	G 1/2" M
H	Steam connection	Steam heated models only	3/4" M
I	Condensate exit	Steam heated models only	3/8" M

Table 2C

CONNECTIONS SCHEME

G 21.35





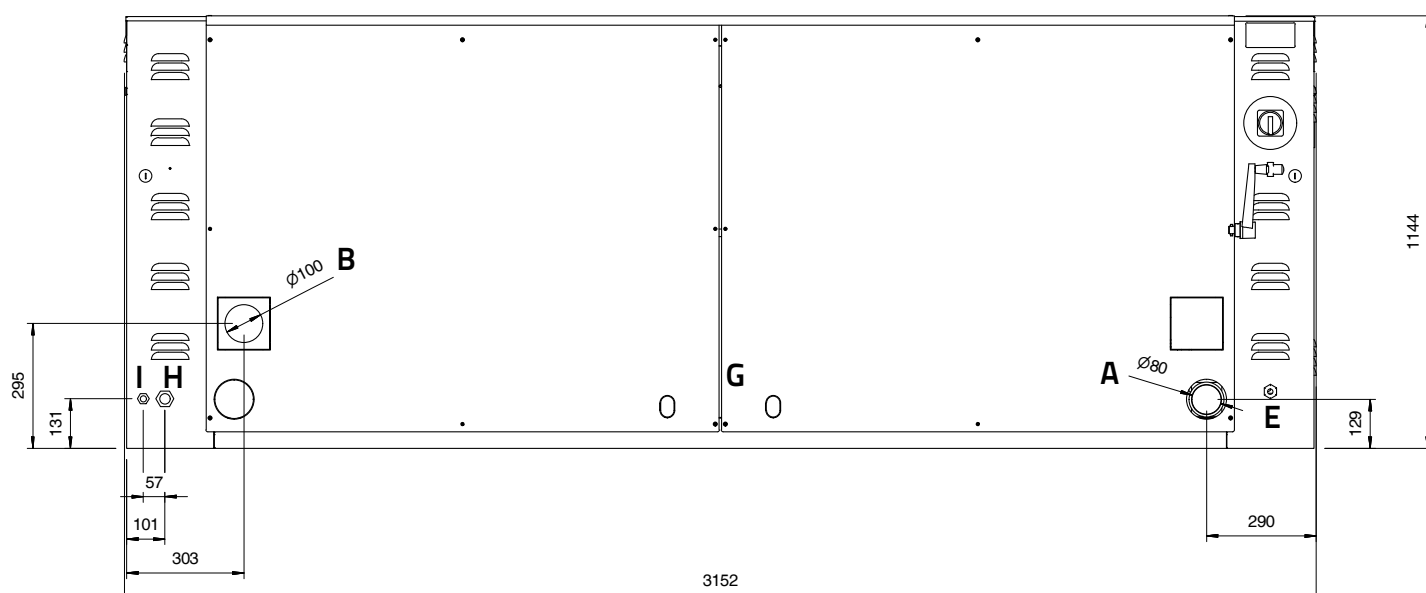
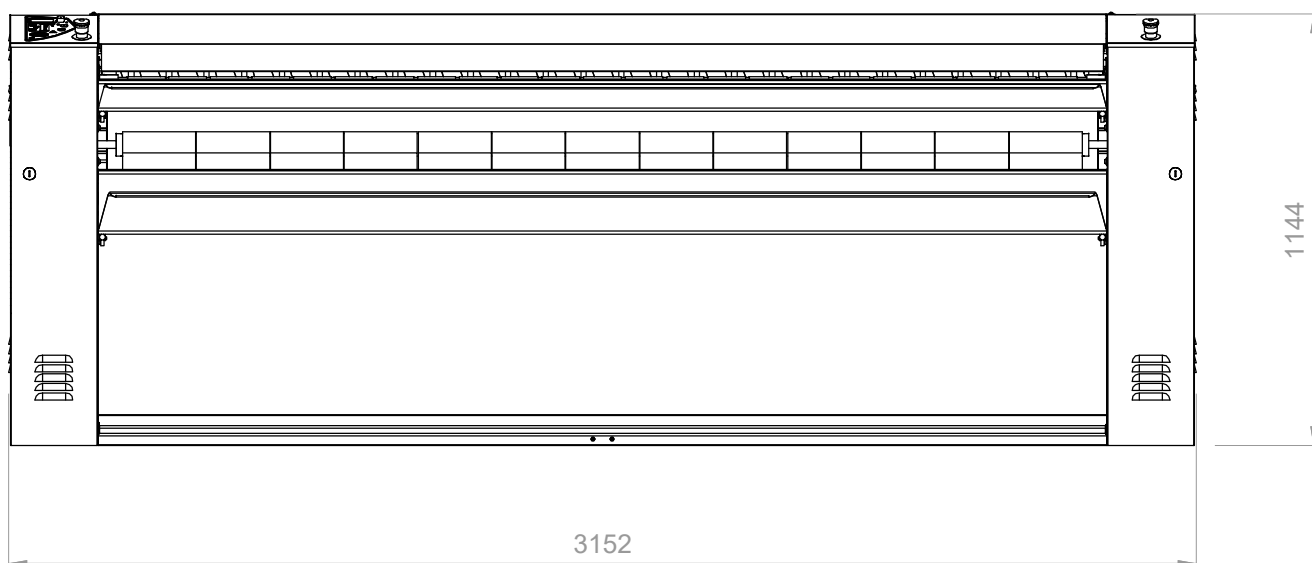
LEGEND

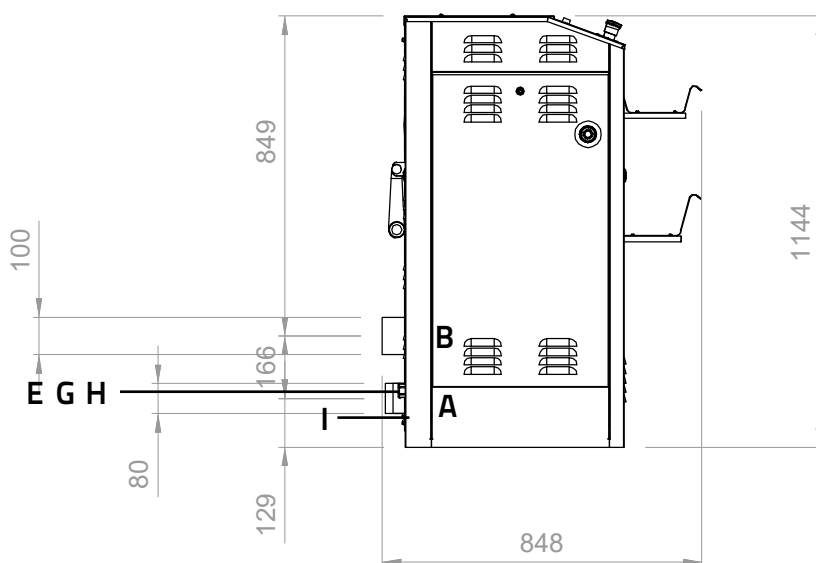
Letter	Correspondence	Notes	
A	Steam output		Ø80 mm, 280 m ³ /h
B	Fumes output	Gas heated models only	Ø100 mm, 140 m ³ /h
E	Electricity connection		PG21
G	Gas connection	Gas heated models only	G 1/2" M
H	Steam connection	Steam heated models only	3/4" M
I	Condensate exit	Steam heated models only	3/8" M

Table 2D

CONNECTIONS SCHEME

G 26.35





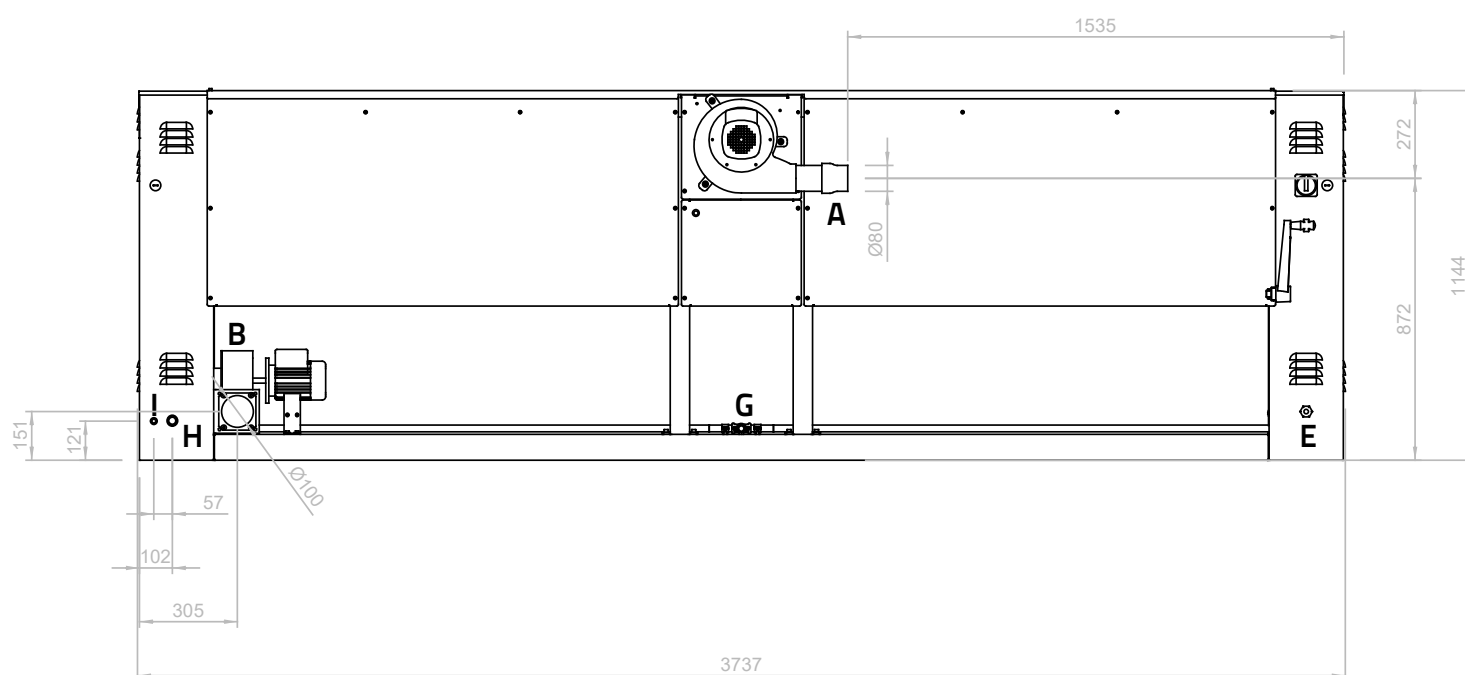
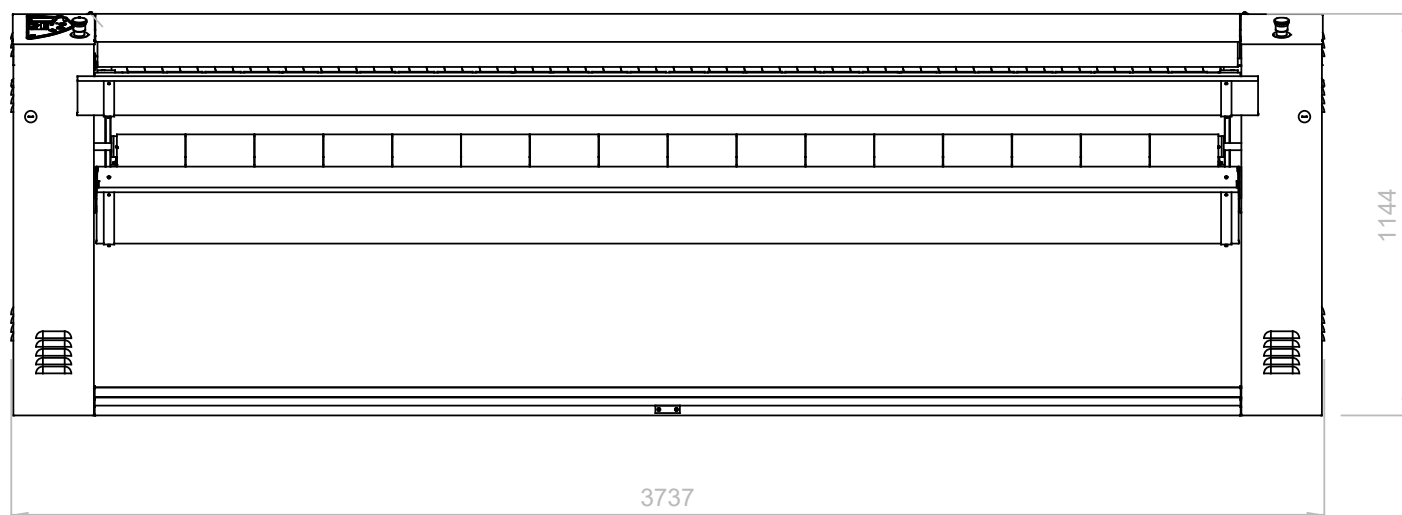
LEGEND

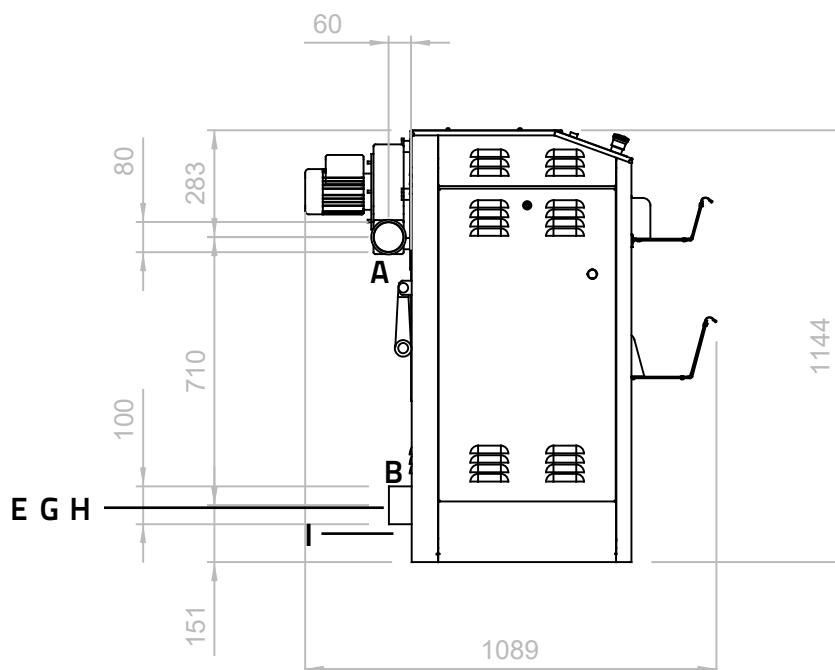
Letter	Correspondence	Notes	
A	Steam output		Ø80 mm, 280 m ³ /h
B	Fumes output	Gas heated models only	Ø100 mm, 140 m ³ /h
E	Electricity connection		PG21
G	Gas connection	Gas heated models only	G 1/2" M
H	Steam connection	Steam heated models only	3/4" M
I	Condensate exit	Steam heated models only	3/8" M

Table 2E

CONNECTIONS SCHEME

G 32.35





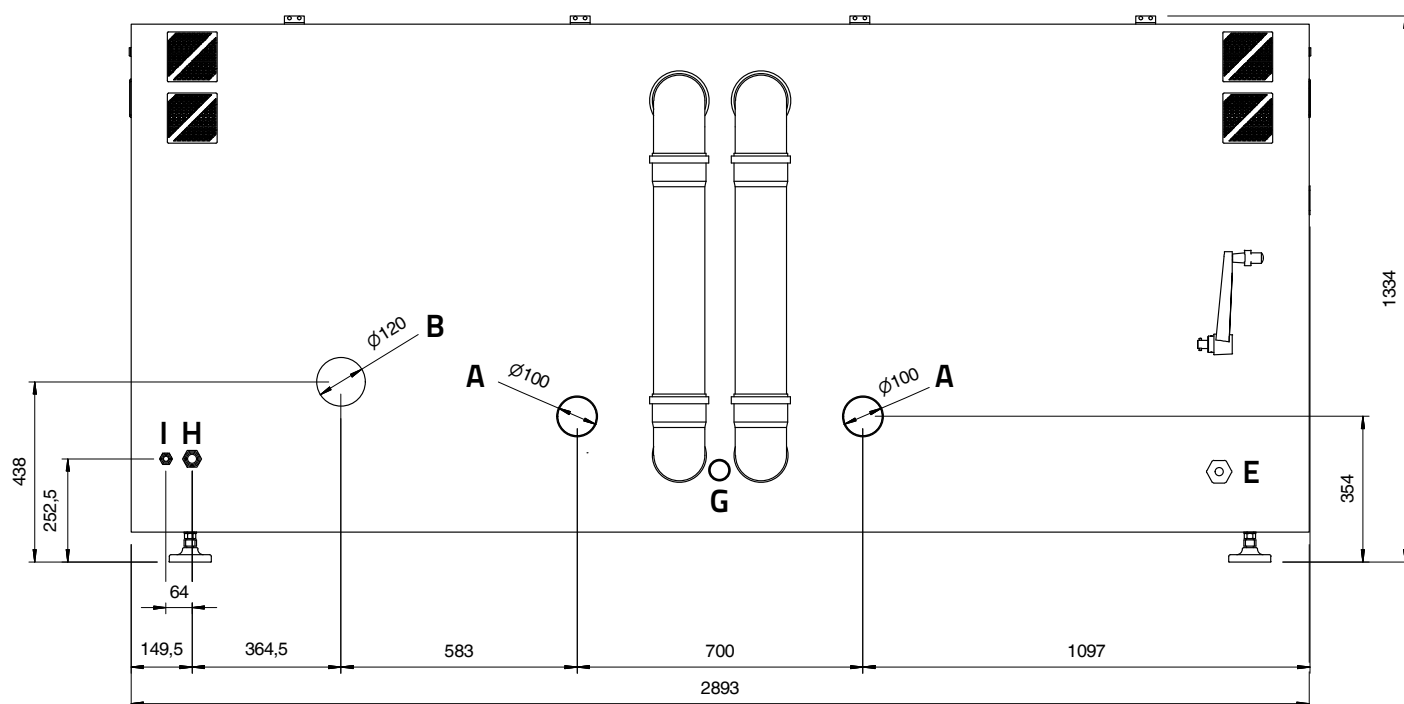
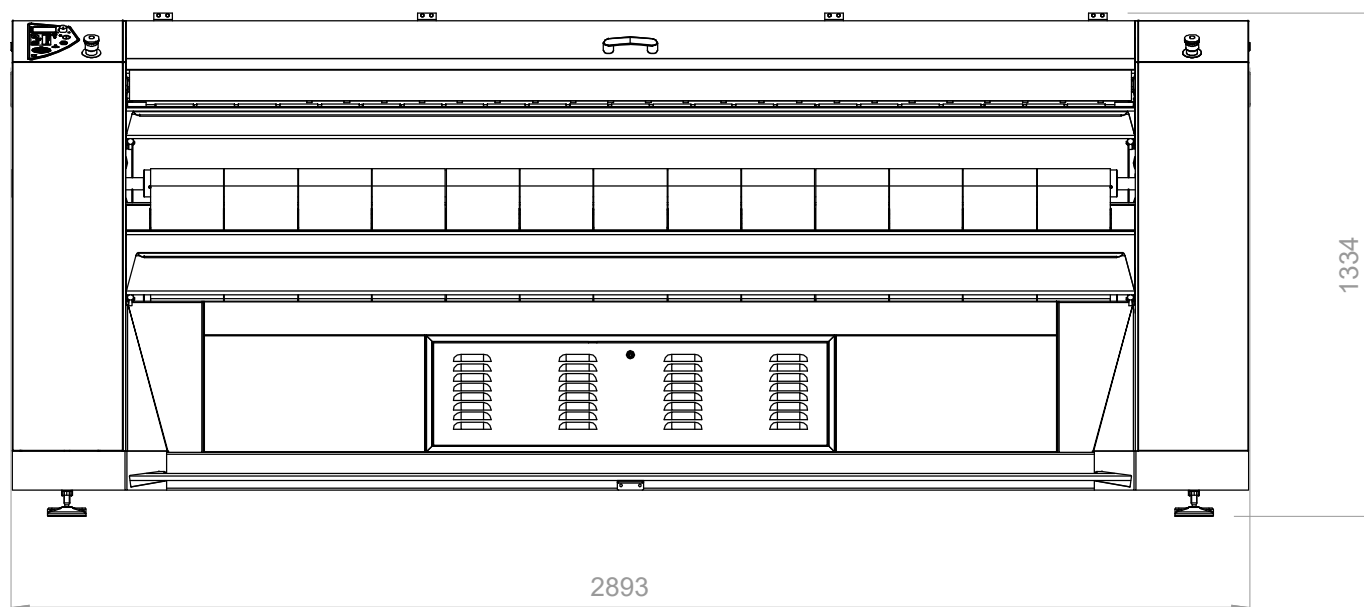
LEGEND

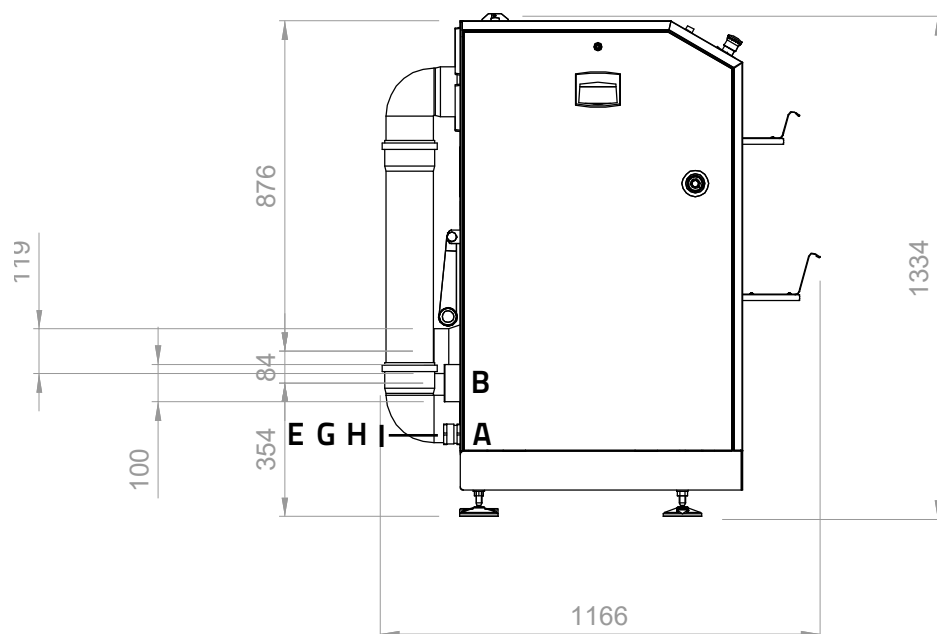
Letter	Correspondence	Notes	
A	Steam output		Ø80 mm, 405 m ³ /h
B	Fumes output	Gas heated models only	Ø100 mm, 140 m ³ /h
E	Electricity connection		PG21
G	Gas connection	Gas heated models only	G 1/2" M
H	Steam connection	Steam heated models only	3/4" M
I	Condensate exit	Steam heated models only	3/8" M

Table 2E

CONNECTIONS SCHEME

G 21.50





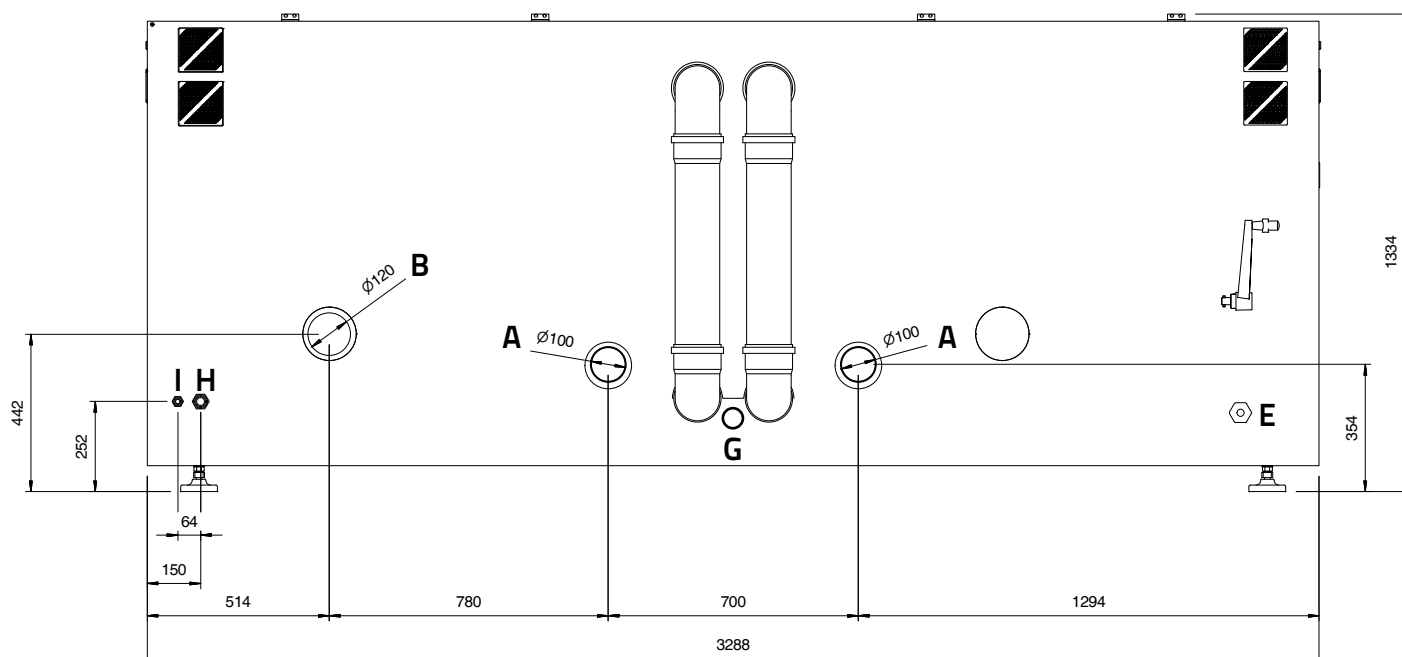
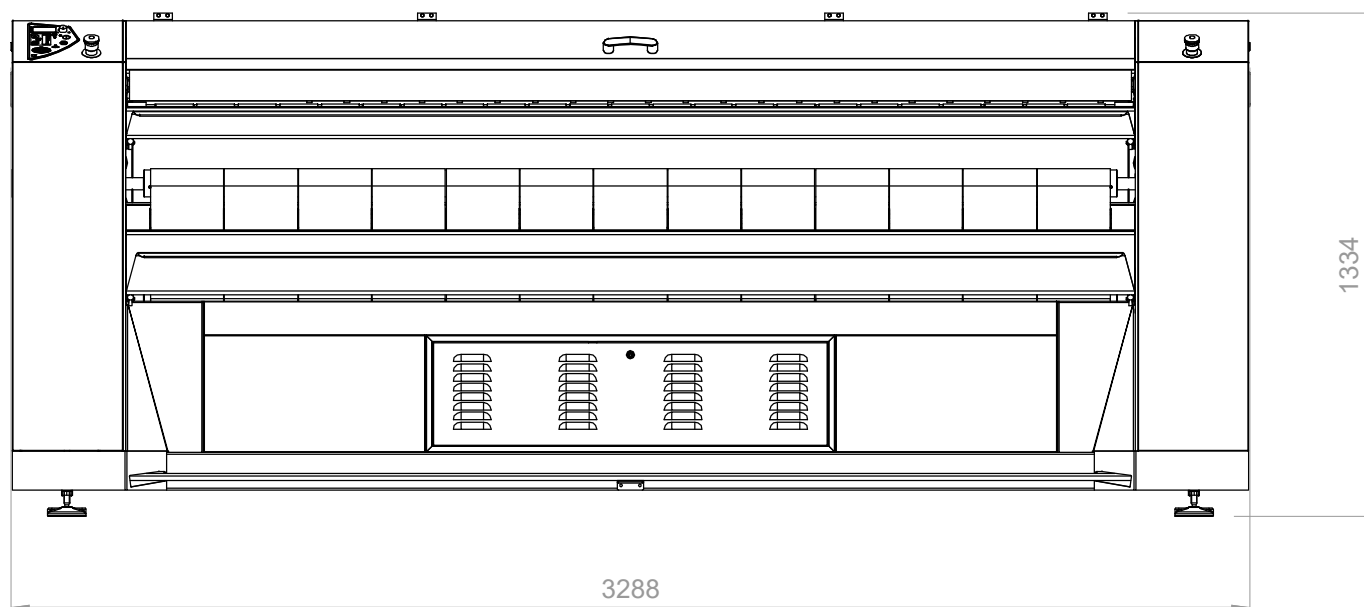
LEGEND

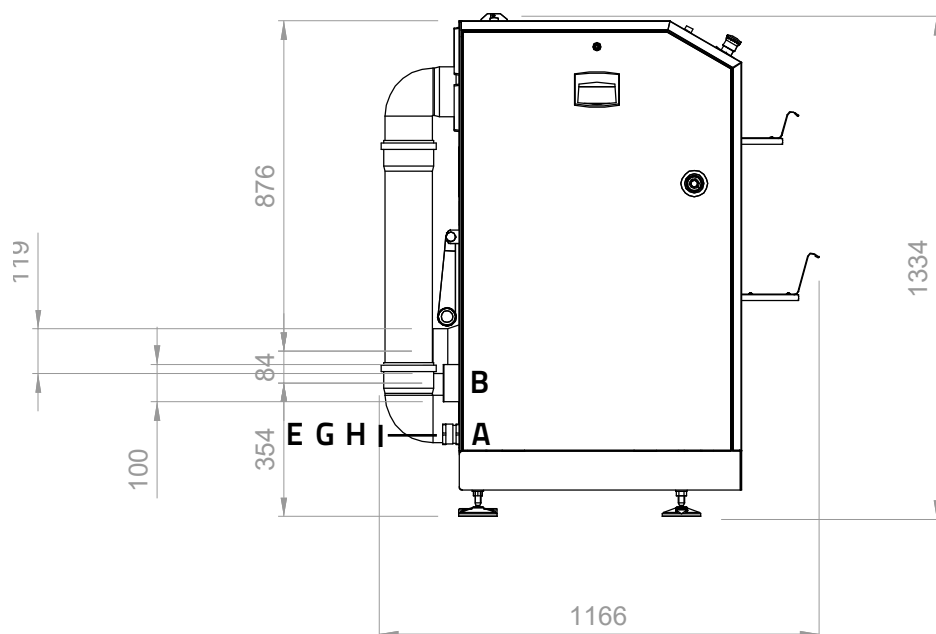
Letter	Correspondence	Notes	
A	Steam output		2 x Ø100 mm, 740 m ³ /h
B	Fumes output	Gas heated models only	Ø120 mm, 1200 m ³ /h
E	Electricity connection	Gas and steam heated models	PG13.5
		Electric heated models	PG36
G	Gas connection	Gas heated models only	G 1" M
H	Steam connection	Steam heated models only	1" M
I	Condensate exit	Steam heated models only	1/2" M

Table 2F

CONNECTIONS SCHEME

G 26.50





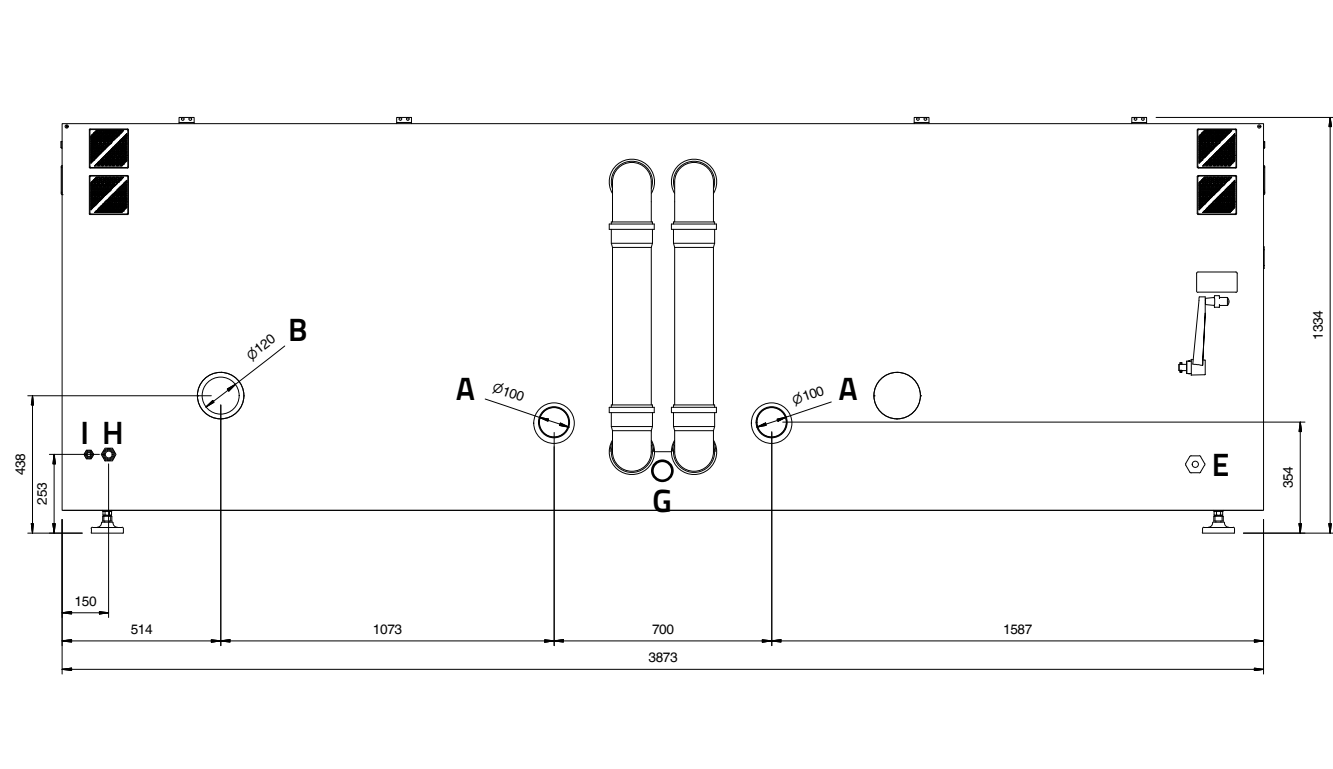
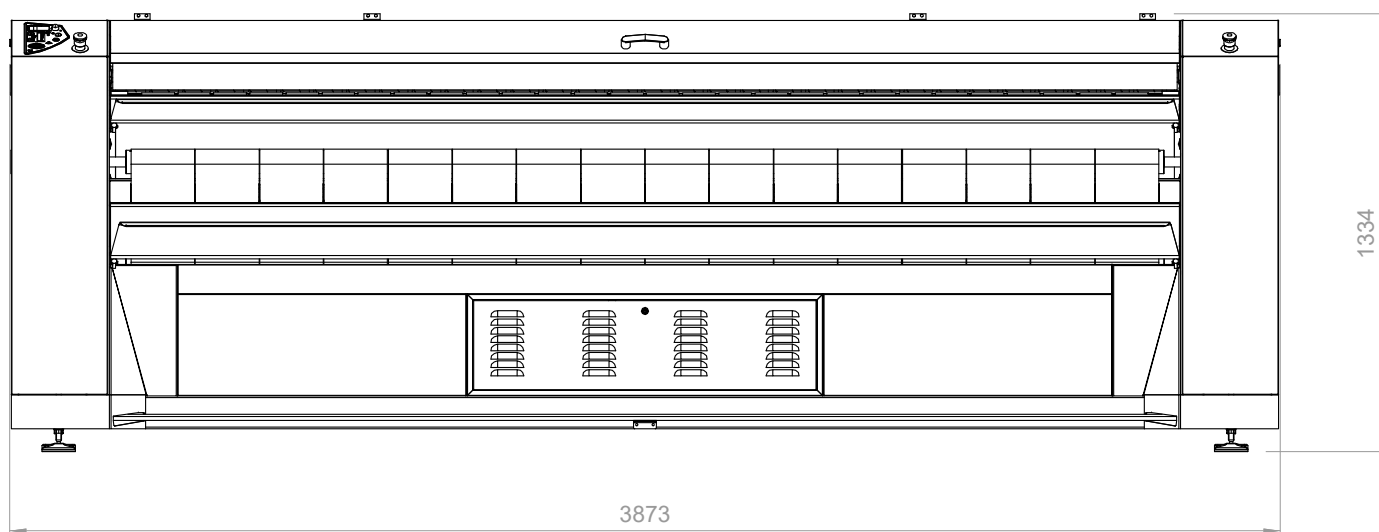
LEGEND

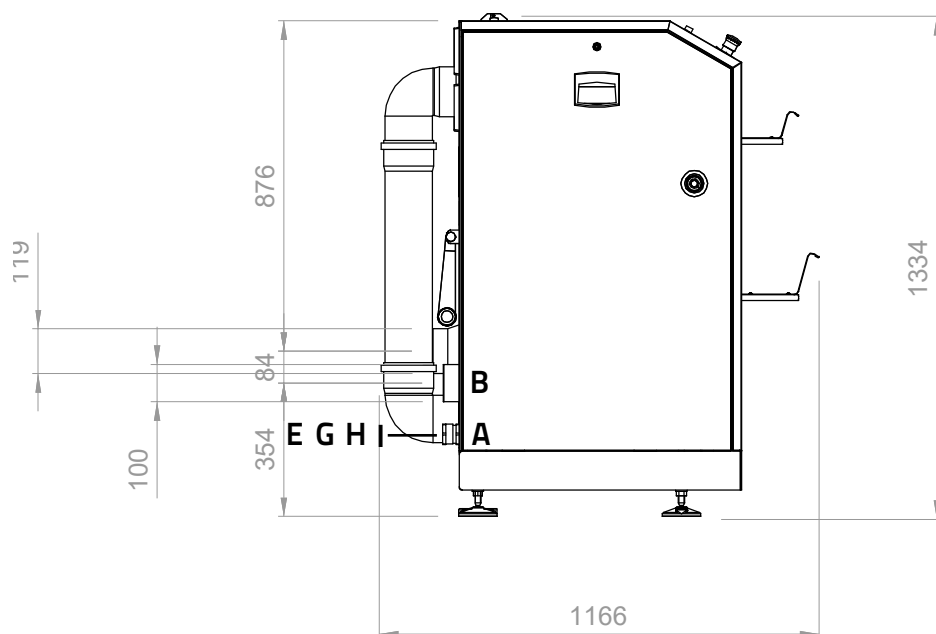
Letter	Correspondence	Notes	
A	Steam output		2 x Ø100 mm, 740 m ³ /h
B	Fumes output	Gas heated models only	Ø120 mm, 1200 m ³ /h
E	Electricity connection	Gas and steam heated models	PG13.5
		Electric heated models	PG36
G	Gas connection	Gas heated models only	G 1" M
H	Steam connection	Steam heated models only	1" M
I	Condensate exit	Steam heated models only	1/2" M

Table 2G

CONNECTIONS SCHEME

G 32.50





LEGEND

Letter	Correspondence	Notes	
A	Steam output		2 x Ø100 mm, 740 m ³ /h
B	Fumes output	Gas heated models only	Ø120 mm, 1200 m ³ /h
E	Electricity connection	Gas and steam heated models	PG13.5
		Electric heated models	PG36
G	Gas connection	Gas heated models only	G 1" M
H	Steam connection	Steam heated models only	1" M
I	Condensate exit	Steam heated models only	1/2" M

Table 2H

ELECTRICAL CONNECTIONS



DANGER!

Electrical connections must be carried out by fully qualified engineers.



DANGER!

When the main switch mounted on the ironer is in position 0, there is still tension on the ironer supply terminals. Turn off the circuit breaker before carrying out any operation on the electric circuit.

The manufacturer cannot be held responsible should safety regulations not be observed.

Before connecting the ironer, check that the supply voltage corresponds to that indicated on the serial number plate, which is situated on the rear of the machine.

To ensure safe connection to the mains use a cable as specified in the Table 3 and an automatic cut-out protective device (differential magneto-thermal switch $I_{dn} = 0.03 \text{ A}$).

The differential magneto-thermal switch must have characteristics of section and insulation complying with European norms EN 60947-2 e EN 60947-3 and must be adequate to the ironer absorption.

This device and the connecting cable are not provided with the equipment.

The ironer must be connected to an individual circuit breaker.

IMPORTANT!

Grounding is necessary.

To guarantee protection against electrical shock, ironer MUST BE grounded.

To the purpose, only use the dedicated yellow/green terminal mounted on the ironer main supply terminals.

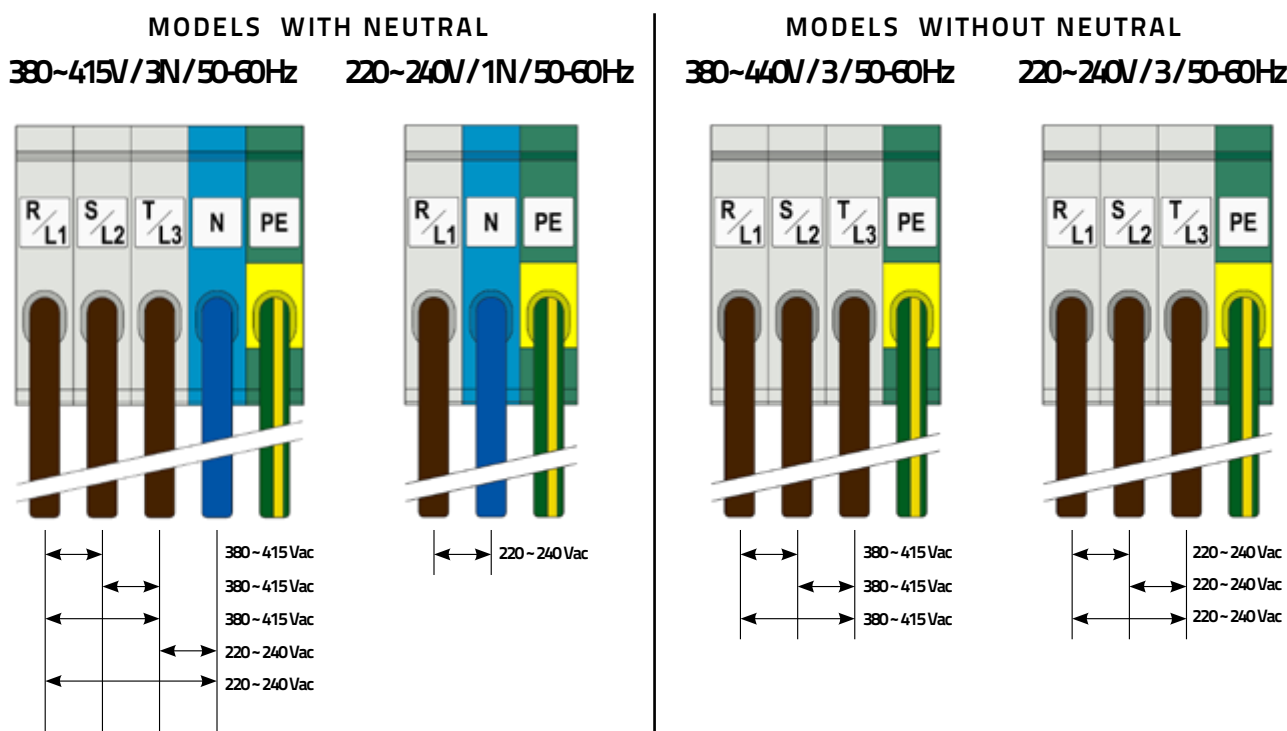
The earthing system must comply with national legal requirements.

Never connect ground wire and neutral on the same line.

G.50 models only.

When first starting the ironer, verify the correct phases connection checking the rotation sense of fan motor (it must turn clockwise).

In case of wrong connection disconnect the machine from the power supply and invert two phases in the supply terminals.



ELECTRICAL SPECIFICATIONS



DANGER!

Electrical connections must be carried out by fully qualified engineers.

IMPORTANT!

Circuit connection and protection must be realized in conformity with regional electrical regulations.

Electrical specifications in Table 3 are subject to change without notice.

Refer to product serial plate for most updated specifications of product being installed.

G 14.25

HEATING TYPE	Voltage	Wire size	Circuit Breaker	Absorption	Electric Power	
					Heaters	Motors
GAS	V.230/1/50-60Hz	3 x 2.5 mm ² (1Ph + N + $\perp$)	6 A	2,2 A	-	0,32 kW
ELECTRIC	V.230/3/50-60Hz	4 x 10 mm ² (3Ph + $\perp$)	40 A	36 A	13,8 kW	0,27 kW
	V.400/3N/50-60Hz	5 x 4 mm ² (3Ph + N + $\perp$)	25 A	21 A	13,8 kW	0,27 kW
	V.400/3/50-60Hz	4 x 4 mm ² (3Ph + $\perp$)	25 A	21 A	13,8 kW	0,27 kW
	V.440/3/50-60Hz					

Table 3A

G 15.35

HEATING TYPE	Voltage	Wire size	Circuit Breaker	Absorption	Electric Power	
					Heaters	Motors
GAS/STEAM	V.230/1/50-60Hz	3 x 2.5 mm ² (1Ph + N + $\perp$)	10 A	5 A	-	1,2/1 kW
ELECTRIC	V.230/3/50-60Hz	4 x 10 mm ² (3Ph + $\perp$)	63 A	55 A	20,7 kW	1 kW
	V.400/3N/50-60Hz	5 x 10 mm ² (3Ph + N + $\perp$)	32 A	31,5 A	20,7 kW	1 kW
	V.400/3/50-60Hz	4 x 10 mm ² (3Ph + $\perp$)	32 A	31,5 A	20,7 kW	1 kW
	V.440/3/50-60Hz					

Table 3B

G 18.35

HEATING TYPE	Voltage	Wire size	Circuit Breaker	Absorption	Electric Power	
					Heaters	Motors
GAS/STEAM	V.230/1/50-60Hz	3 x 2.5 mm ² (1Ph + N + $\perp$)	10 A	5 A	-	1,2/1 kW
ELECTRIC	V.230/3/50-60Hz	4 x 16 mm ² (3Ph + $\perp$)	80 A	64 A	24,3 kW	1 kW
	V.400/3N/50-60Hz	5 x 10 mm ² (3Ph + N + $\perp$)	40 A	37 A	24,3 kW	1 kW
	V.400/3/50-60Hz	4 x 10 mm ² (3Ph + $\perp$)	40 A	37 A	24,3 kW	1 kW
	V.440/3/50-60Hz					

Table 3C

G 21.35

HEATING TYPE	Voltage	Wire size	Circuit Breaker	Absorption	Electric Power	
					Heaters	Motors
GAS/STEAM	V.230/1/50-60Hz	3 x 2.5 mm ² (1Ph + N + $\perp$)	10 A	5 A	-	1,2/1 kW
ELECTRIC	V.230/3/50-60Hz	4 x 16 mm ² (3Ph + $\perp$)	80 A	71 A	27 kW	1 kW
	V.400/3N/50-60Hz	5 x 10 mm ² (3Ph + N + $\perp$)	50 A	41 A	27 kW	1 kW
	V.400/3/50-60Hz	4 x 10 mm ² (3Ph + $\perp$)	50 A	41 A	27 kW	1 kW
	V.440/3/50-60Hz					

Table 3D

G 26.35

HEATING TYPE	Voltage	Wire size	Circuit Breaker	Absorption	Electric Power	
					Heaters	Motors
GAS/STEAM	V.230/1/50-60Hz	3 x 2.5 mm ² (1Ph + N + $\perp$)	10 A	5 A	-	1,2/1 kW
ELECTRIC	V.230/3/50-60Hz	4 x 25 mm ² (3Ph + $\perp$)	100 A	89 A	34,2 kW	1 kW
	V.400/3N/50-60Hz	5 x 10 mm ² (3Ph + N + $\perp$)	63 A	51 A	34,2 kW	1 kW
	V.400/3/50-60Hz	4 x 10 mm ² (3Ph + $\perp$)	63 A	51 A	34,2 kW	1 kW
	V.440/3/50-60Hz					

Table 3E

G 32.35

HEATING TYPE	Voltage	Wire size	Circuit Breaker	Absorption	Electric Power	
					Heaters	Motors
GAS/STEAM	V.230/1/50-60Hz	3 x 2.5 mm ² (1Ph + N + $\perp$)	10 A	5 A	-	1,2/1 kW
ELECTRIC	V.230/3/50-60Hz	4 x 25 mm ² (3Ph + $\perp$)	125 A	102 A	39,6 kW	1 kW
	V.400/3N/50-60Hz	5 x 10 mm ² (3Ph + N + $\perp$)	63 A	59 A	39,6 kW	1 kW
	V.400/3/50-60Hz	4 x 10 mm ² (3Ph + $\perp$)	63 A	59 A	39,6 kW	1 kW
	V.440/3/50-60Hz					

Table 3J

G 21.50

HEATING TYPE	Voltage	Wire size	Circuit Breaker	Absorption	Electric Power	
					Heaters	Motors
GAS/STEAM	V.230/3/50-60Hz	4 x 2.5 mm ² (3Ph + $\frac{1}{2}$)	10 A	7 A	-	2,7/1,6 kW
	V.400/3N/50-60Hz	5 x 2.5 mm ² (3Ph + N + $\frac{1}{2}$)	6 A	5 A	-	2,7/1,6 kW
	V.400/3/50-60Hz	4 x 2.5 mm ² (3Ph + $\frac{1}{2}$)	6 A	5 A	-	2,7/1,6 kW
	V.440/3/50-60Hz					
ELECTRIC	V.230/3/50-60Hz	4 x 25 mm ² (3Ph + $\frac{1}{2}$)	125 A	117 A	45 kW	1,6 kW
	V.400/3N/50-60Hz	5 x 16 mm ² (3Ph + N + $\frac{1}{2}$)	70 A	68 A	45 kW	1,6 kW
	V.400/3/50-60Hz	4 x 16 mm ² (3Ph + $\frac{1}{2}$)	70 A	68 A	45 kW	1,6 kW
	V.440/3/50-60Hz					

Table 3F

G 26.50

HEATING TYPE	Voltage	Wire size	Circuit Breaker	Absorption	Electric Power	
					Heaters	Motors
GAS/STEAM	V.230/3/50-60Hz	4 x 2.5 mm ² (3Ph + $\frac{1}{2}$)	10 A	7 A	-	2,7/1,6 kW
	V.400/3N/50-60Hz	5 x 2.5 mm ² (3Ph + N + $\frac{1}{2}$)	6 A	5 A	-	2,7/1,6 kW
	V.400/3/50-60Hz	4 x 2.5 mm ² (3Ph + $\frac{1}{2}$)	6 A	5 A	-	2,7/1,6 kW
	V.440/3/50-60Hz					
ELECTRIC	V.230/3/50-60Hz	4 x 35 mm ² (3Ph + $\frac{1}{2}$)	160 A	148 A	57 kW	1,6 kW
	V.400/3N/50-60Hz	5 x 25 mm ² (3Ph + N + $\frac{1}{2}$)	100 A	85 A	57 kW	1,6 kW
	V.400/3/50-60Hz	4 x 25 mm ² (3Ph + $\frac{1}{2}$)	100 A	85 A	57 kW	1,6 kW
	V.440/3/50-60Hz					

Table 3G

G 32.50

HEATING TYPE	Voltage	Wire size	Circuit Breaker	Absorption	Electric Power	
					Heaters	Motors
GAS/STEAM	V.230/3/50-60Hz	4 x 2.5 mm ² (3Ph + $\frac{1}{2}$)	10 A	7 A	-	2,7/1,6 kW
	V.400/3N/50-60Hz	5 x 2.5 mm ² (3Ph + N + $\frac{1}{2}$)	6 A	5 A	-	2,7/1,6 kW
	V.400/3/50-60Hz	4 x 2.5 mm ² (3Ph + $\frac{1}{2}$)	6 A	5 A	-	2,7/1,6 kW
	V.440/3/50-60Hz					
ELECTRIC	V.230/3/50-60Hz	4 x 35 mm ² (3Ph + $\frac{1}{2}$)	200 A	170 A	66 kW	1,6 kW
	V.400/3N/50-60Hz	5 x 25 mm ² (3Ph + N + $\frac{1}{2}$)	100 A	98 A	66 kW	1,6 kW
	V.400/3/50-60Hz	4 x 25 mm ² (3Ph + $\frac{1}{2}$)	100 A	98 A	66 kW	1,6 kW
	V.440/3/50-60Hz					

Table 3H

ROOM CHARACTERISTICS



WARNING!

All operations must be carried out by fully qualified engineers.

The ironer must be positioned in a well illuminated room, and ideally work in a temperature included between -10°C and +40°C.

VENTILATION

The ironer should be only installed in a well ventilated room.

Ventilation air intake must comply with the norms in force in the destination country.

Fresh air intake must be granted to compensate for air subtracted by exhaust motors.

In the case of gas heated equipment air subtracted by burner functioning should be added to the calculation of make-up air.

NECESSARY FRESH INTAKE AIR FOR GAS HEATED IRONERS

Model	m ³ /h
G 14.25	465
G 15.35	-
G 18.35	870
G 21.35	920
G 26.35	1 140
G 32.35	1 605
G 21.50	1 835
G 26.50	1 685
G 32.50	2 090

Table 4

The ventilation air has to be taken directly from outside, in an area far from pollution sources, and the inflow has to be granted by permanent openings made on room walls facing directly outdoors.

The calculation of the opening total free section must be done accordingly to national and local legislation.

Furthermore, the opening must be realized so that it cannot be occluded. It must also be protected by a grille or a metallic wire net that does not reduce its useful section. The opening shall be located at a height near to the floor level in order not to create turbulences disturbing the correct functioning of fumes exhaust motor.



DANGER!

Do not store flammable, corrosive or chemical substances in the same room where the ironer is installed.



DANGER!

To prevent risk of fire, and to avoid ironer overheating, keep the area around the machine clean from lint and dust.

EXHAUST REQUIREMENTS



WARNING!

All operations must be carried out by fully qualified engineers.



DANGER!

All the ironer exhausts must be conveyed to the outdoors.

Fresh air intake must be granted in accordance with national legal requirements.

The exhaust piping must be properly insulated and always be realized in conformity with national legal norms.

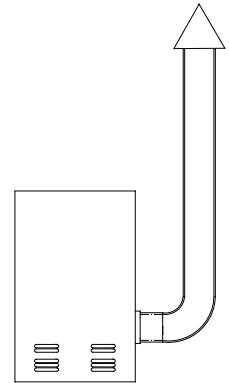
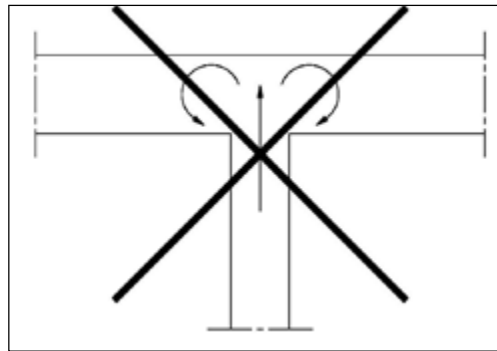
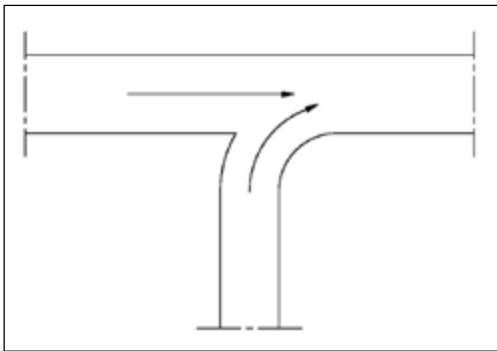
The chimney has to be adequately spaced from combustible and/or easily burning materials by air interspace or opportune insulating material.

Should this be impossible, it is necessary to provide an appropriate and specific heat protection.

CORRECT CONNECTION SCHEME

To guarantee drying performance efficiency, and for a correct evacuation of the exhaust fumes, it is always a good practice to avoid T elbows, and always prefer the Y type.

IMPORTANT: always ensure the outer chimney ends vertically to guarantee the draft.



DANGER!

THE STEAM AND THE EXHAUST FUMES MUST BE EXPELLED OUTSIDE THROUGH SEPARATE DUCTING.

Both pipes must be opportunely connected to those installed on the ironer, checking that no leaks occur.

The combustion gases generated by burner functioning must be conveyed directly outdoors.

Refer to table 2 for the diameter of the exhaust outlets.

STEAM EXHAUST

The steam generated during the ironing is extracted by a dedicated motor and conveyed to the exit point, which should be connected to a discharge pipe going directly outdoors the building.

The discharge pipe should be realized in a material suitable to withstand temperatures of 100-120°C and its internal surface should be as smooth as possible.

Rigid metal pipe is recommended. Do not use plastic pipe because it collects lint, and this causes fire hazard.

Avoid horizontal stretches. If impossible, always try to reduce them as much as possible.

GAS EXHAUST (gas heated models only)

Rigid metal pipe is recommended, suitable to withstand temperatures >150-180°C.

The internal surface of the ducting piping must be slide and as much linear as possible.

Maximum length of the ducting must not exceed 10 m.

The ducting must be well insulated in order to reduce to the fumes cooling that causes a drawing reduction and condensation.

Exhaust fumes ducting should be dedicated for the ironer, and whenever installing more ironers it necessary to use single exhaust ducts.

APPLIANCE CATEGORY (gas heated models only)

Country		Category	Gas Type	Pressure (mbar)
AL	ALBANIA	I12H3+ I12H3B/P	G20 - G30/G31 G20 - G30/G31	20 - 28-30/37 20 - 30/30
AT	AUSTRIA	I12H3B/P	G20 - G30/G31	20 - 50/50
BE	BELGIUM	I2E(R) I3+	G20 G30/G31	20 28-30/37
BG	BULGARIA	I12H3B/P	G20 - G30/G31	20 - 30/30
CY	CYPRUS	I12H3+ I12H3B/P	G20 - G30/G31 G20 - G30/G31	20 - 28-30/37 20 - 30/30
HR	CROATIA	I12H3B/P	G20 - G30/G31	20 - 30/30
DK	DENMARK	I12H3B/P	G20 - G30/G31	20 - 30/30
EE	ESTONIA	I12H3B/P	G20 - G30/G31	20 - 30/30
FI	FINLAND	I12H3B/P	G20 - G30/G31	20 - 30/30
FR	FRANCE	I12Er3+	G20/G25 - G30/G31	20/25 - 28-30/37
DE	GERMANY	I12ELL3B/P	G20 - G25 - G30/31	20 - 20 - 50/50
GR	GREECE	I12H3+ I12H3B/P	G20 - G30/G31 G20 - G30/G31	20 - 28-30/37 20 - 30/30
IE	IRELAND	I12H3+	G20 - G30/G31	20 - 28-30/37
IS	ICELAND	I3B/P	G30/G31	30/30
IT	ITALY	I12H3+	G20 - G30/G31	20 - 28-30/37
LV	LATVIA	I12H3B/P	G20 - G30/G31	20 - 30/30
LT	LITHUANIA	I12H3+ I12H3B/P	G20 - G30/G31 G20 - G30/G31	20 - 28-30/37 20 - 30/30
LU	LUXEMBOURG	I2E	G20	20
MT	MALTA	I3B/P	G30/G31	30/30
NO	NORWAY	I12H3B/P	G20 - G30/G31	20 - 30/30
NL	NETHERLAND	I12L3B/P I3B/P	G25 - G30/G31 G31	25 - 30/30 30
PL	POLAND	I2E	G20	20
PT	PORTUGAL	I12H3+	G20 - G30/G31	20 - 28-30/37
GB	UNITED KINGDOM	I12H3+	G20 - G30/G31	20 - 28-30/37
CZ	CZECH REPUBLIC	I12H3+	G20 - G30/G31	20 - 28-30/37
MK	REPUBLIC OF MACEDONIA	I12H3+ I12H3B/P	G20 - G30/G31 G20 - G30/G31	20 - 28-30/37 20 - 30/30
RO	ROMANIA	I3B I12H3B/P I12E3B/P I12L3B/P	G30 G20 - G30/G31 G20 - G30/G31 G20 - G30/G31	30 20 - 30/30 20 - 30/30 20 - 30/30
SK	SLOVAKIA	I12H3+ I12H3B/P I12H3B/P	G20 - G30/G31 G20 - G30/G31 G20 - G30/G31	20 - 28-30/37 20 - 30/30 20 - 50/50
SI	SLOVENIA	I12H3+ I12H3B/P	G20 - G30/G31 G20 - G30/G31	20 - 28-30/37 20 - 30/30
ES	SPAIN	I12H3+	G20 - G30/G31	20 - 28-30/37
SE	SWEDEN	I12H3B/P	G20 - G30/G31	20 - 30/30
CH	SWITZERLAND	I12H3+ I12H3B/P	G20 - G30/G31 G20 - G30/G31	20 - 28-30/37 20 - 50/50
TR	TURKEY	I12H3+ I12H3B/P	G20 - G30/G31 G20 - G30/G31	20 - 28-30/37 20 - 30/30
HU	HUNGARY	I2H I3B/P	G20 G30/G31	25 30/30

Table 5

GAS SPECIFICATIONS

Correspondence	G 14.25	G 15.35	G 18.35	G 21.35	G 26.35	G 32.35
Nominal heat input	13,6 kW	=	25,6 kW	27 kW	33,5 kW	47,25 kW
Gas consumption						
G20	1,44 m ³ /h	=	2,8 m ³ /h	2,86 m ³ /h	3,55 m ³ /h	5 m ³ /h
G25	1,67 m ³ /h	=	3,15 m ³ /h	3,32 m ³ /h	4,12 m ³ /h	=
G30	1,07 kg/h	=	2,02 kg/h	2,13 kg/h	2,64 kg/h	3,7 kg/h
G31	1,06 kg/h	=	1,99 kg/h	2,1 kg/h	2,6 kg/h	3,65 kg/h
Nozzle						
G20 20 mbar	315	=	445	320	350	390
G25 25 mbar	315	=	445	320	350	390
G25 20 mbar	315	=	445	320	350	390
G20 25 mbar	315	=	445	320	350	390
G30 28...30 mbar G31 30...37 mbar	180	=	245	180	200	235
G31 30 mbar	190	=	265	190	210	245
G30 50 mbar G31 50 mbar	180	=	245	180	200	235
Manifold pressure (nozzle pressure)						
G20 20 mbar	10 mbar	=	10 mbar	10 mbar	10 mbar	10 mbar
G25 25 mbar	15 mbar	=	15 mbar	15 mbar	15 mbar	15 mbar
G25 20 mbar	15 mbar	=	15 mbar	15 mbar	15 mbar	15 mbar
G20 25 mbar	10 mbar	=	10 mbar	10 mbar	10 mbar	10 mbar
G30 50 mbar G31 50 mbar	28,5 mbar	=	28,5 mbar	28,5 mbar	28,5 mbar	28,5 mbar

Table 6

Correspondence	G 21.50	G 26.50	G 32.50
Nominal heat input	54 kW	67 kW	95,2 kW
Gas consumption			
G20	5,7 m ³ /h	7,09 m ³ /h	10,08 m ³ /h
G25	6,65 m ³ /h	8,25 m ³ /h	11,72 m ³ /h
G30	4,26 kg/h	5,28 kg/h	7,5 kg/h
G31	4,2 kg/h	5,21 kg/h	7,4 kg/h
Nozzle			
G20 20 mbar	320	350	360A - 330B
G25 25 mbar	320	350	360A - 330B
G25 20 mbar	320	350	360A - 330B
G20 25 mbar	320	350	360A - 330B
G30 28...30 mbar G31 30...37 mbar	190	200	250A-210B
G31 30 mbar	200	215	240A-220B
G30 50 mbar G31 50 mbar	190	200	250A-210B
Manifold pressure (nozzle pressure)			
G20 20 mbar	10 mbar	10 mbar	11 mbar
G25 25 mbar	15 mbar	15 mbar	15 mbar
G25 20 mbar	15 mbar	15 mbar	15 mbar
G20 25 mbar	10 mbar	10 mbar	11 mbar
G30 50 mbar G31 50 mbar	27,5 mbar	28,5 mbar	23 mbar

Table 6A

Gas specifications in Table 6 and 6A are subject to change without notice.
Refer to product serial plate for most updated specifications of product being installed.

GAS CONNECTION (gas heated models only)



DANGER!

All operations must be carried out by fully qualified engineers.

Gas connection must be realized in conformity with national legal requirements.



DANGER!

For YOUR SAFETY and to reduce explosion and fire risks IF YOU SMELL GAS:

- Close gas-tap
- Open the windows
- Do not absolutely touch any electrical component
- Extinguish immediately cigarettes and any other free flame present
- Call immediately your qualified installer. Do not use phone inside the room.

The manufacturer cannot be held responsible should these regulations not be observed.

GAS PIPE

For gas connection only use a homologated pipe for the connection.

Refer to Table 6 for the gas pipe size.

The gas supply pipe must be adequate to the type of gas used and conform with norms in force in the destination country.
The gas pipe must be equipped with a manual stop valve positioned between the gas entry and the ironer.

IMPORTANT!

GAS PRESSURE

The accurate temperature control and its regular distribution across the cylinder are fundamental for drying ironer efficiency, performance and to obtain a good ironing finish.

To the purpose of obtaining a correct temperature distribution, it is necessary to have a regular and nice flame, which is only obtained by ensuring a stable gas supply pressure.

Therefore, gas supply line should be dedicated for the ironer (not shared with other equipment). Should this not be possible, in relation to the gas type and flux, a pressure-regulator must be installed on the pipe for gas supply in proximity to the ironer.

Pressure regulator is not supplied with the ironer.

Refer to Table 2 for gas consumption figures.

CONNECTING THE GAS

The ironer is pre-set in the factory according to customer order.

Before connecting the gas, make sure that the gas pre-set indicated on the serial number plate corresponds to the gas used at the site.

Connect the gas pipe.



DANGER!

After connection check the absence of gas leaks:

Sprinkle union, connection, inlet and outlet pipes with a solution of water and soap.

Switch on the ironer and activate the heating. Soap bubbles indicate a gas leak.

Eliminate the gas leak.

CHECKING THE GAS PRESSURE



DANGER!

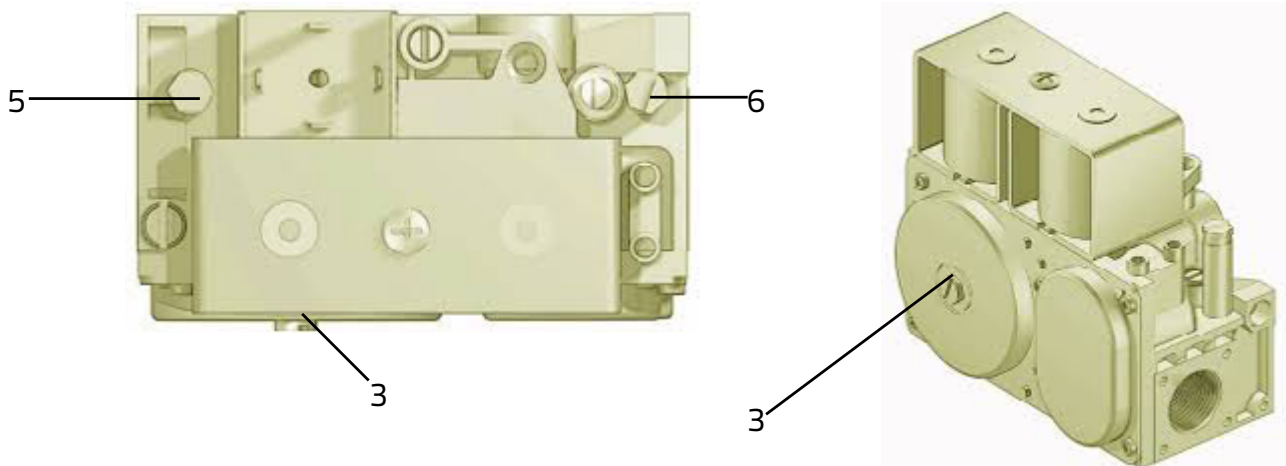
All operations must be carried out by fully qualified engineers.
Gas connection must be realized in conformity with national legal requirements.



WARNING!

Make sure the supply pressure is stable and corresponds to the data indicated in the serial number dataplate before leaving the site.

Always use a DIGITAL READOUT MANOMETER.



SUPPLY PRESSURE

Switch on the ironer. Set 80°C and wait for the burner to ignite.

Now measure the supply pressure on the solenoid valve: connect the manometer on the lower pressure port (5).

NOZZLE PRESSURE

Making sure the burner is still ignited, measure now the nozzle pressure.

Connect the manometer on the upper pressure port (6).

If necessary adjust the gas supply pressure to reach the value indicated in the serial number dataplate.

For increasing/decreasing gas pressure, use screw marked with number 3 in the above image.

IMPORTANT!

On models G 21.35, G 26.35 and G.50, both solenoid valves must be regulated (right and left hand side).

Seal gas valve when calibration is completed.



DANGER!

After connection check the absence of gas leaks:

Sprinkle union, connection, inlet and outlet pipes with a solution of water and soap.

Switch on the ironer and activate the heating. Soap bubbles indicate a gas leak.

Eliminate the gas leak.

Before switching off the appliance, carry out a complete work session to ensure that the burner components work properly. Switch off the ironer pressing the 0 button and let cooldown mode run till cylinder temperature drops to 90°C.

Circuit breaker shall now be turned on OFF position.

CHANGING THE GAS TYPE



DANGER!

All operations must be carried out by fully qualified engineers.
Gas connection must be realized in conformity with national legal requirements.



DANGER!

For YOUR SAFETY and to reduce explosion and fire risks IF YOU SMELL GAS:

- Close gas-tap
- Open the windows
- Do not absolutely touch any electrical component
- Extinguish immediately cigarettes and any other free flame present
- Call immediately your qualified installer. Do not use phone inside the room.

The manufacturer cannot be held responsible should these regulations not be observed.

The ironer is pre-set in the factory according to customer order.

Should you wish to change supply gas, you need to:

STEP 1: Replace nozzle.

Order the original conversion kit from the factory.



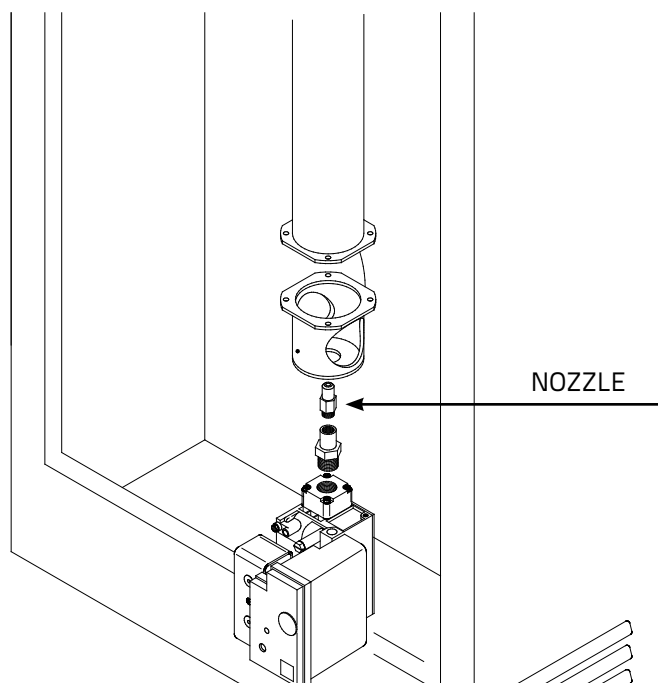
DANGER!

To avoid risk of fire and explosion, ONLY use GMP original parts.

IMPORTANT!

On models G 21.35, G 26.35 and G.50, both nozzles must be changed (right and left hand side).

Switch off the circuit breaker and close the gas tap on the gas line.
Unscrew the nozzle and replace it with the one(s) supplied with the conversion kit.



STEP 2: Change gas pressure setting.

Refer to dataplate coming with the conversion kit for the new supply/nozzle pressure to be set.

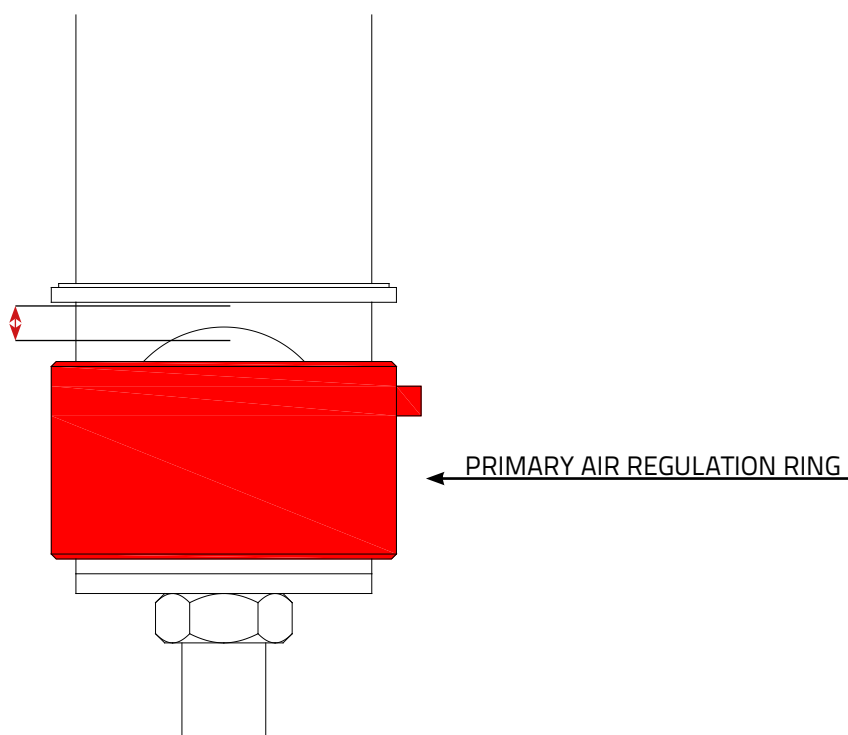
Follow the procedure described in the paragraphs 'Checking the pressure', 'Supply pressure' and 'Nozzle pressure' to adjust the new working pressure required.

IMPORTANT!

On models G 21.35, G 26.35 and G.50, both nozzles and solenoid valves must be regulated (right and left hand side).

STEP 3: Adjust the position of primary air regulation ring

Once calibration is completed, adjust the position of primary air calibration ring as indicated in the drawing below:



PRIMARY AIR REGULATION RING

Model	G20/25 (Natural gas)	G30/31 (Butane/Propane)
G 14.25	open (no ring)	open (no ring)
G 15.35	-	-
G 18.35	15 mm	15 mm
G 21.35	7 mm	open (no ring)
G 26.35	10 mm	12 mm
G 32.35	-	20 mm
G 21.50	10 mm	open (no ring)
G 26.50	9 mm	19 mm
G 32.50	open (no ring)	open (no ring)

Table 7

Seal gas valve when calibration is completed and replace dataplate containing gas setting information.
Continues on page 42 ->

->

DANGER!

After having completed the connection check the absence of gas leaks:

Sprinkle union, connection, inlet and outlet pipes with a solution of water and soap.

Switch on the machine. Soap bubbles indicate a gas leak.

Eliminate the gas leak.

Before switching off the appliance, carry out a complete work session to ensure that the burner components work properly. Switch off the ironer pressing the 0 button and let cooldown mode run till cylinder temperature drops to 90°C.

Circuit breaker shall now be turned on OFF position.

STEAM SPECIFICATIONS (steam heated models only)

Correspondence	G 14.25	G 15.35	G 18.35	G 21.35	G 26.35	G 32.35
Steam consumption	-	19 kg/h	22 kg/h	26 kg/h	32 kg/h	40 kg/h
Minimum steam pressure required	-	4 bar	4 bar	4 bar	4 bar	4 bar

Table 8

Correspondence	G 21.50	G 26.50	G 32.50
Steam consumption	50 kg/h	70 kg/h	90 kg/h
Minimum steam pressure required	4 bar	4 bar	4 bar

Table 8A

STEAM CONNECTION (steam heated models only)



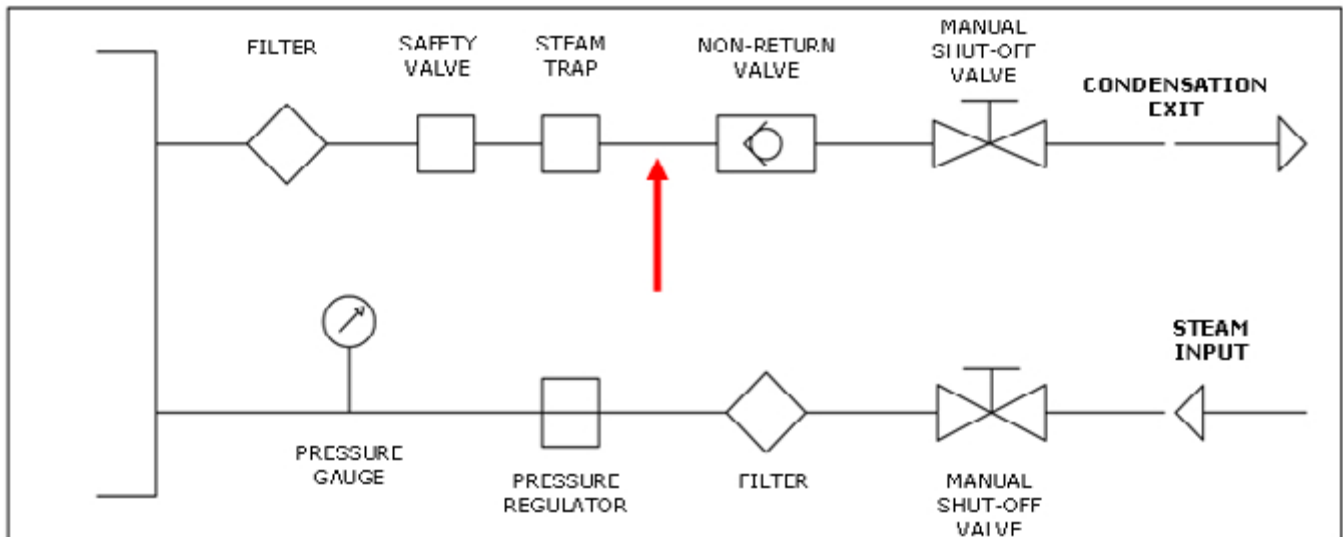
DANGER!

All operations must be carried out by fully qualified engineers.

Steam connection must be realized in conformity with national legal requirements.

The manufacturer cannot be held responsible should these regulations not be observed.

RECOMMENDED STEAM CONNECTION SYSTEM



STEAM CONNECTION

A manual shut-off valve, a filter, a pressure regulator and a pressure gauge in the steam input line should be installed. Recommended working pressure: 5 bar.

CONDENSATE CONNECTION

A filter, a safety valve, a steam trap, a non-return valve and a manual shut-off valve should be installed in the condensation exit line.

Manual shut-off valve = Valve manually isolating the system

We recommend to install an inspection window (see the red arrow) between the steam trap and the non-return valve, on the condensation exit line. This window is useful to control the functioning of the steam trap.

A wrong functioning of the steam trap will lead to a wrong control of the cylinder temperature, affecting the ironing quality.

IMPORTANT!

To avoid condensation accumulates inside the steam input pipe, always connect to the upper part of the piping.

See scheme:

