

BLU 1700.1 MD



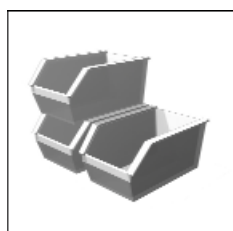
Technical data



Operating instructions



Electric diagrams



Spare parts list



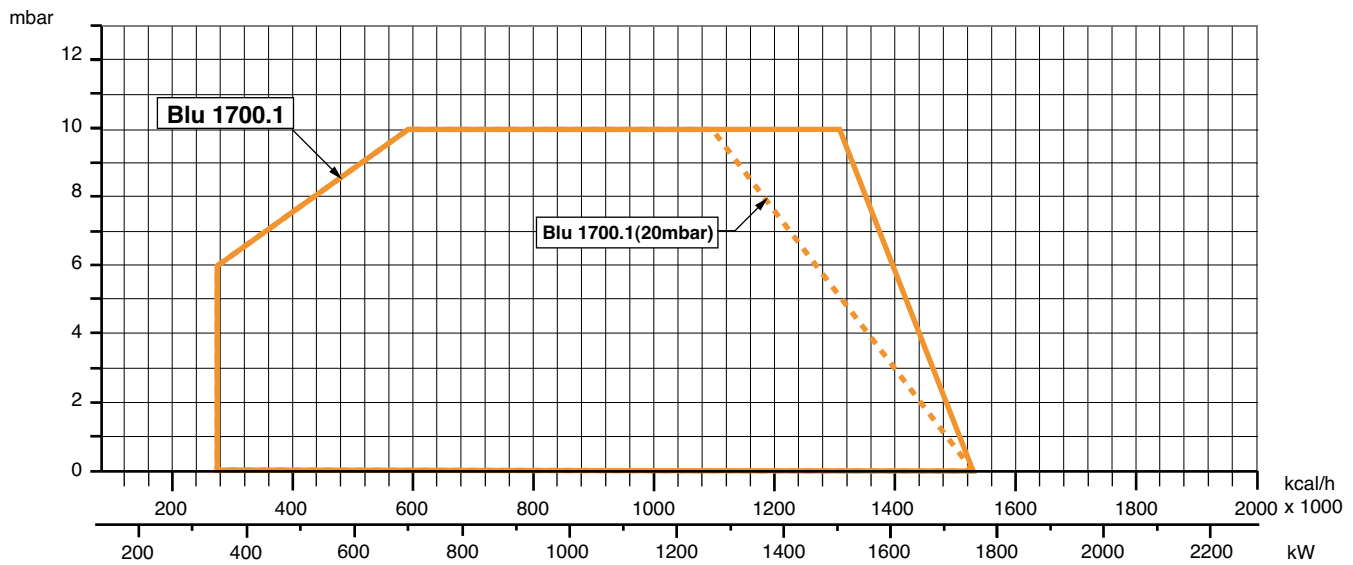
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Overview

Technical data	BLU 1700.1 MD	
Burner output max/min kW - kcal/h	1770	342
	1.526.000	295.000
Operation	Modulating with PID	
Regulating ratio	1:1	
Fuel	Natural Gas (L.C.V. 8.570 kcal/Nm ³), LPG (L.C.V. 22.260 kcal/Nm ³) (G20) Hu = 10,35 kWh/m ³ - (G25) Hu = 8,83 kWh/m ³ (G31) Hu = 25,89 kWh/m ³	
Emission class	Standard Class 2 - GAS EN676 (<120 mg/kWh)	
Control box	LAMTEC ETAMATIC S	
Gas train	GAS TRAIN TABLE - DIFFERENT MODELS / CONFIGURATIONS	
Gas connection	Rp 20 3/4" - Rp 25 1" - Rp 32 1"1/4 - Rp 40 1"1/2 - Rp 50 2"	
Gas input pressure	SEE GAS TRAIN MATCHING TABLE	
LPG input pressure	SEE GAS TRAIN MATCHING TABLE	
Air regulation	Air flap	
Flame monitor	UV cell	
Ignition transformer	cofi	
Electric motor rpm - watt	3400 rpm	
	4000 W	
Voltage	(Auxiliary 220V) 254-440 V / 60 Hz	
Power consumption (operation)	5500 W	
Weight	86 (88) kg	
Protection level	IP55	
Sound pressure level dB(A)	78,6	
Ambient temp. for storage	-20°...+70° C	
Temperature for use	-10°...+60° C	

Overview - Working fields

**Working field**

The working field shows burner output as a function of combustion chamber pressure. It corresponds to the maximum values specified by EN 267 measured at the test fire tube. **The efficiency rating of the boiler should be taken into account when selecting a burner.**

Calculation of burner output:

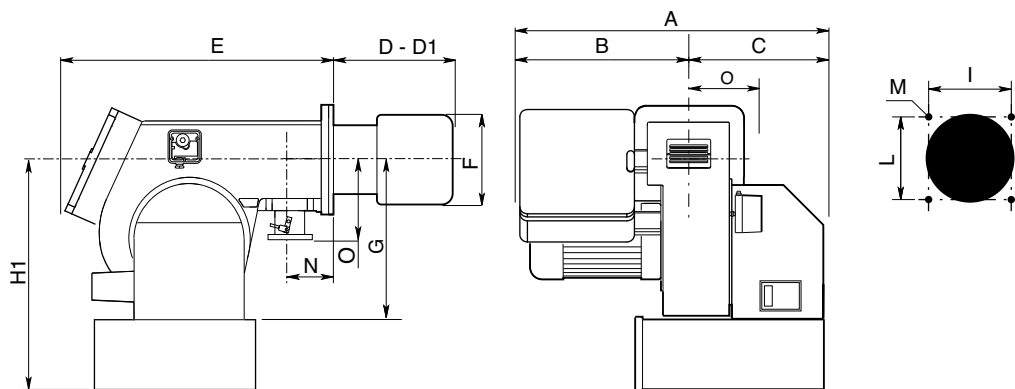
$$QF = \frac{Q_N}{\eta_K}$$

QF = Burner output (kW)

Q_N = Rated boiler output (kW)

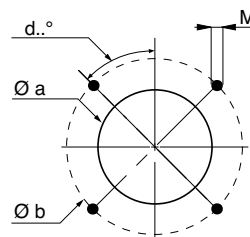
η_K = Boiler efficiency (%)

Overview - Dimensions



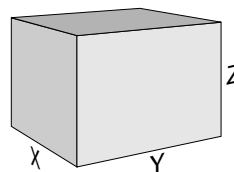
Model	A	B	C	D	D1	E	F	G	H1	I	L	M	N	O
BLU 1700.1 PR	775	450	325	340	540	730	250	420	680	240	240	M14	125	250

Model	Ø a	Ø b	d°..
BLU 1700.1 PR	225	339,5	45°

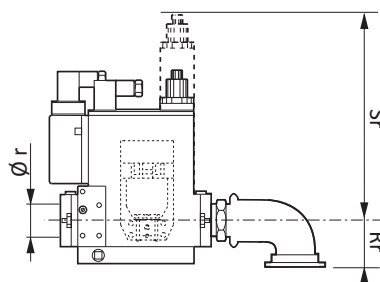


Packaging

Model	X	Y	Z	kg
BLU 1700.1 PR	920	1290	720	



GAS TRAIN DIMENSIONS:
refer to GT manual



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Important notes

BLU burners are designed for the low-pollutant combustion of natural gas and Liquefied Petroleum Gas. The design and function of the burners comply with standard EN676. Assembly and commissioning must be carried out only by authorised specialists and all applicable guidelines and directives must be observed.

Burner description

BLU are two-stage, fully automatic, monoblock type burners. The special design of the burner head provides low-polluting combustion with high efficiency. In line with testing as defined by EN676, the values comply with emissions class 3 (NO_x<80mg/kWh) Emissions values may differ, depending on combustion chamber dimensions, combustion chamber load and the firing system (three-pass boilers, boilers with reverse firing). They are suitable for use with all heat generators complying with EN 303 or for use with hot air generators complying with DIN 4794, and DIN 30697 within their respective performance range.

Use for any other application requires the approval of Ecoflam.

The following standards should be observed in order to ensure safe, environmentally sound and energy-efficient operation:

EN 676

Forced-draught gas burners

EN 226

Connection of fuel oil and forced-draught gas burners to a heat generator.

EN 60335-1, -2-102

Specification for safety of household and similar electrical appliances, particular requirements for gas burning appliances.

Installation location

The burner must not be operated in rooms containing aggressive vapours (e.g. spray, perchloroethylene, hydrocarbon tetrachloride, solvent, etc.) or tending to heavy dust formation or high air humidity. Adequate ventilation must be provided at the place of installation of the furnace system to ensure a reliable supply with combustion air.

Variations may arise as a result of local regulations.

We can accept no warranty liability whatsoever for loss, damage or injury caused by any of the following:

- Inappropriate use.
- Incorrect assembly or repair by the customer or any third party, including the fitting of non-original parts.

Provision of the system and the operating instructions

The firing system manufacturer must supply the operator of the system with operating and maintenance instructions on or before final delivery. These instructions should be displayed in a prominent location at the point of installation of the heat generator, and should include the address and telephone number of the nearest customer service centre.

Notes for the operator

The system should be inspected by a specialist at least once a year. It is advisable to take out a maintenance contract to guarantee regular servicing.

Ecoflam burners have been designed and built in compliance with all current regulations and directives.

All burners comply to the safety and energy saving operation regulations within the standard of their respective performance range. The quality is guaranteed by a quality and management system certified in accordance with ISO 9001:2008.



Contents - Burner description

BLU 1700.1 - PR TC GN - 230-400-50 ETS

RANGE NAME BY FUEL TYPE

BLU Gas

MODEL SIZE (Gas: kW; Oil: kg/h)

BLU 1700.1 1770 kW

EMISSIONS

- Standard Class 2 - GAS EN676 (<120 mg/kWh)
 LN Low NOx Class 3 - GAS EN676 (<80 mg/kWh)

OPERATION TYPE

PAB 2 stages soft start
 PR 2 stages progressive mechanical
 MD 2 stages modulating mechanical with PID
 E 2 stages modulating electronic

HEAD TYPE

TC Short head
 TL Long head

FUEL

GN Gas natural
 LPG Liquid gas
 BIOGAS Biogas

EQUIPMENT

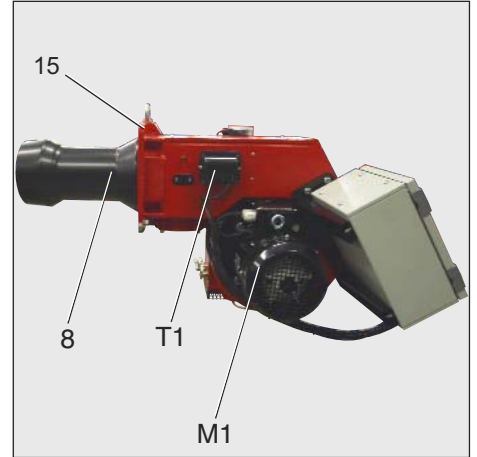
- with gas train
 SGT Separate gas train

ELECTRICAL POWER SUPPLY

230-400-50 230-400 Volt, 50 Hz

CONTROL BOX

ETS Lamtec Etamatic S



- A1 Etamatic S control unit
- F6 Air pressure switch
- F7 Gas pressure switch
- M1 Electric motor
- T1 Ignition transformer
- Y10 Servomotor for air
- Y11 Servomotor for gas
- 3 Air regulation in the burner head
- 5 Housing
- 8 Blast tube
- 10 Wieland socket
- 15 Burner flange
- 113 Air intake

Scope of delivery

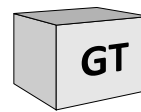
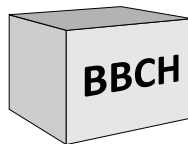
The burner is delivered in a modular system of packagings i.e. separate set/box:

BBCH: Burner Body with Combustion Head with flange.

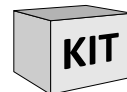
- 1 bag including :- multilanguage technical manual.
- spanner.
- screws, nuts and washer.

GT: separate Gas Train

KIT & ACS are managed and delivered separately



KIT & ACS delivered separately



Function - General safety functions

Description of functions

When the system is switched on for the first time, after a power failure or safety shutdown, after a lack of gas or after the system has been out of operation for 24 hours, the pre-ventilation period begins.

During pre-purge period:

- blower pressure is monitored
- the combustion chamber is monitored for flame signals.

At the end of the pre-purge period:

- ignition is switched on.
- main and safety valve are opened.
- burner starts.

Monitoring

The flame is monitored by UV cell.

Safety functions

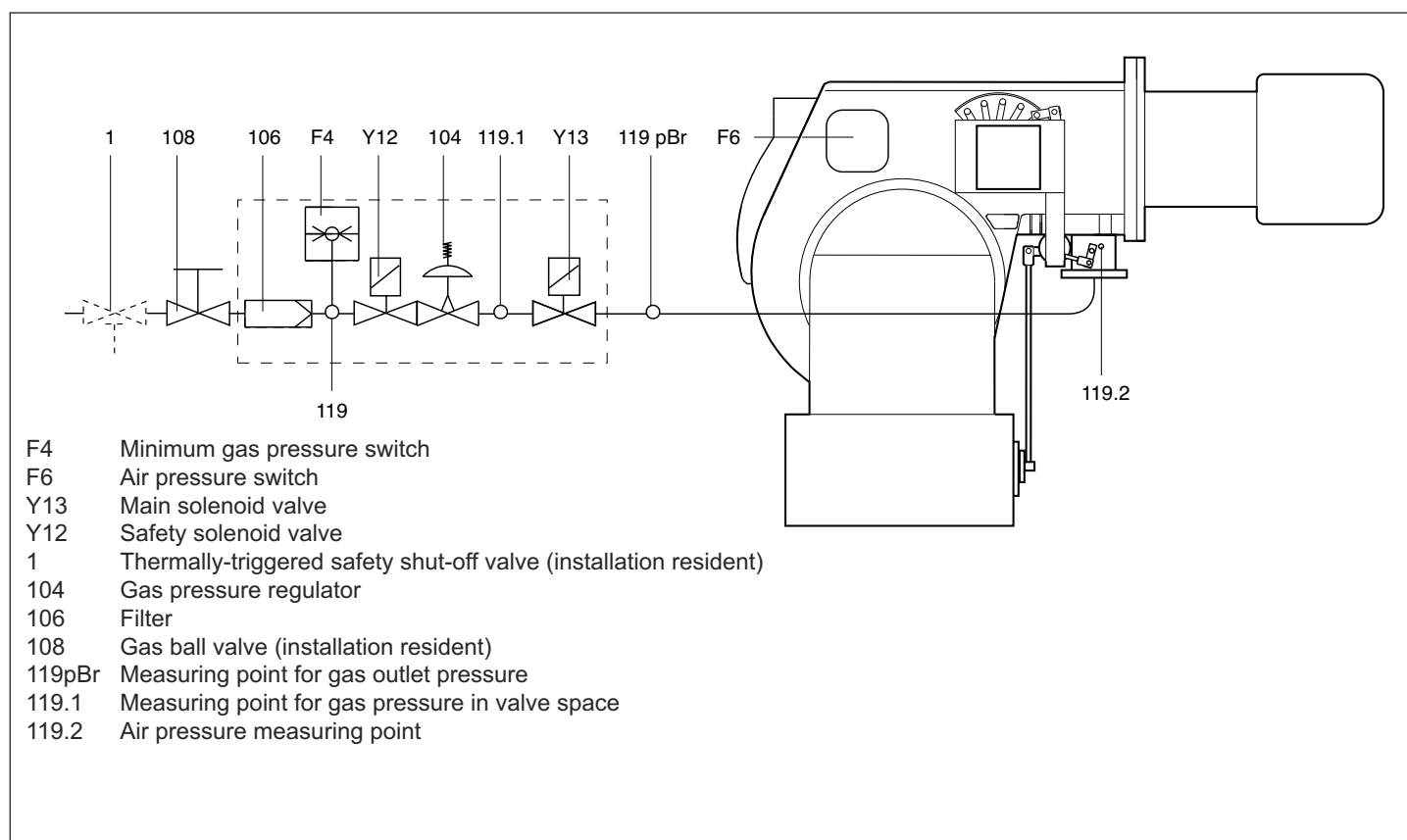
- If no flame is produced when the burner is started (gas release), the burner will be switched off at the end of the safety period, lasting no more than 3 seconds,

and the gas valve will close.

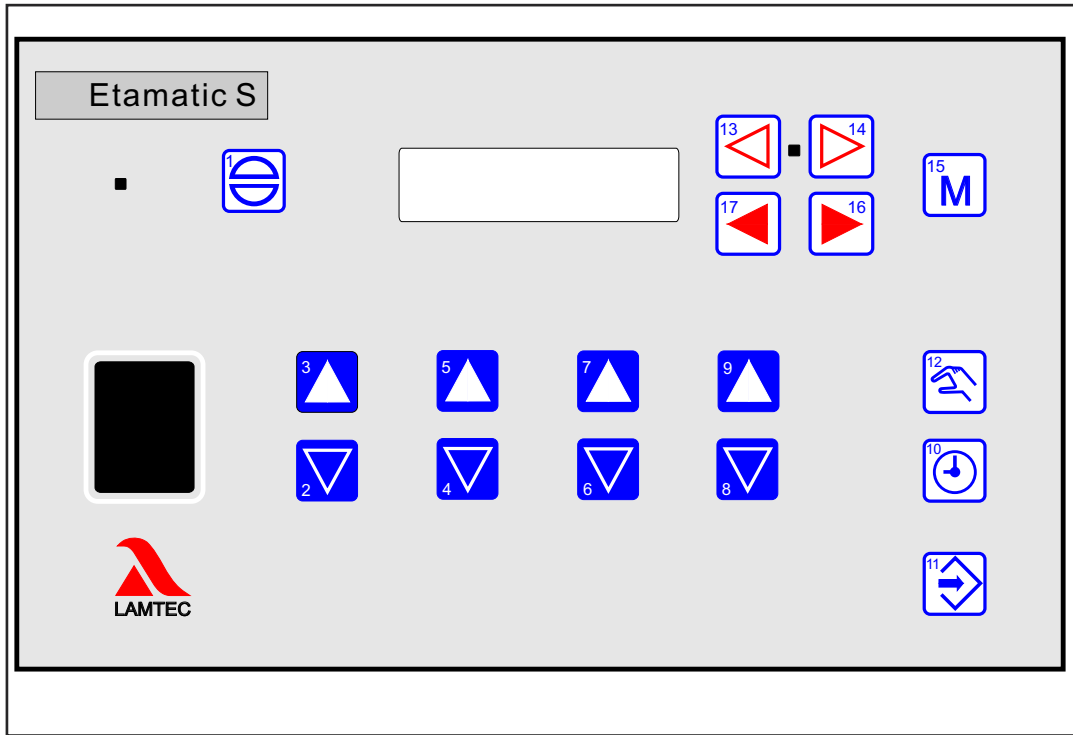
- If the flame goes out during operation, the gas supply is interrupted within one second. A restart takes place. Once the burner starts, operation is continued. Otherwise, a safety lock-out occurs.
- If there is a lack of air during reventilation or operation, a safety lock-out occurs.
- If there is a lack of gas, the burner does not begin operation or switches off.

In the event of controller shutdown

- Controller thermostat interrupts heat request.
- Gas solenoid valves close.
- Flame goes out.
- Burner motor switches off.
- Burner is ready for operation.



Function - Lamtec Etamatic S control and safety unit



- 1 Fault reset
- 2 Channel 1 CL OSE
- 3 Channel 1 OPEN
- 4 Channel 2 CL OSE
- 5 Channel 2 OPEN
- 6 Channel 3 CL OSE
- 7 Channel 3 OPEN
- 8 Channel 4 CL OSE
- 9 Channel 4 OPEN
- 10 Interrogate running time meter
- 11 Accept / Enter
- 12 Manual operation ON / OFF
- 13 } Select operating modes
- 14 }
- 15 Display switching
- 16 } Select operating parameter display
- 17 }

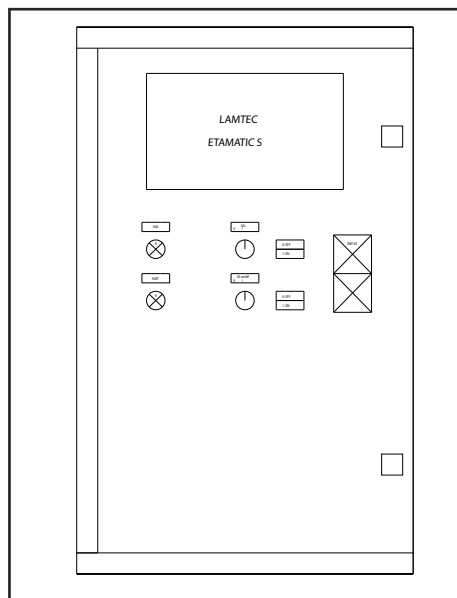
The control and safety unit Etamatic S controls and monitors the forced draught burner. The microprocessor-controlled program sequence ensures the maximum consistency of the cycle times involved, regardless of fluctuations in the mains voltage or ambient temperature. The control and safety unit is designed to detect power failures. Depending on the parameter assignment, the unit either switches to malfunction mode or goes into the standby position if the power supply falls below the mains voltage. In the standby position, there is an automatic restart as soon as the set threshold value is exceeded by 105%.

Manual locking and unlocking

Using the reset button 1, the control and safety unit can be locked manually (interlocked) or unlocked, provided the unit is connected to the mains power supply. This function must not be confused with automatic locking and fault acknowledgement in case of an error.

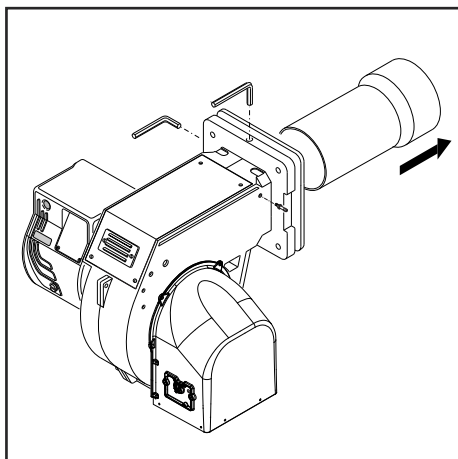
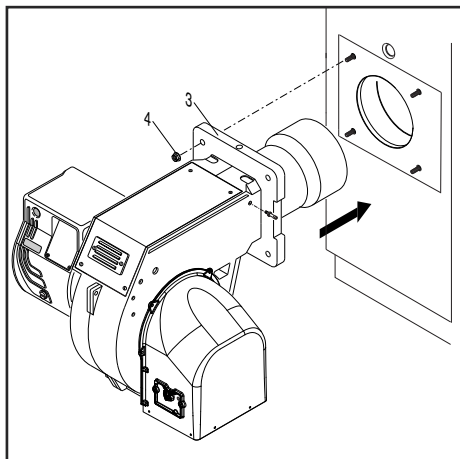
! Always switch off the power supply before installing or removing the control unit. Do not attempt to open or carry out repairs on the control unit.

Function - Control panel



- SAL** main switch I/O
- SA on /off** burner switch on-off
- HLB** lock-out lamp
- HLBT** thermal lock-out lamp

Installation - Burner assembly



Burner assembly

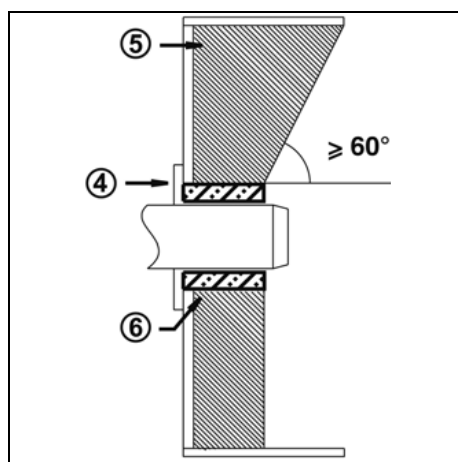
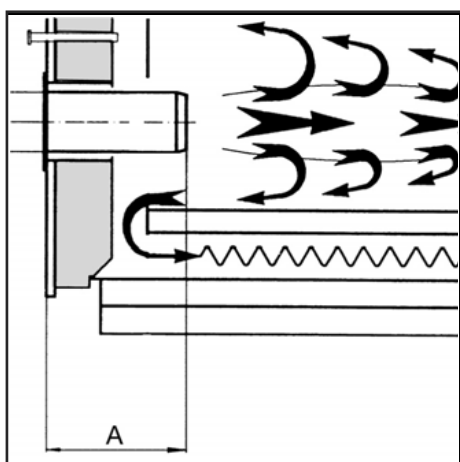
The burner is fixed to the boiler.

Installation:

- fix the flange 3 to the boiler with the screws 4

Removal:

- loosen the screws and remove the burner.



Burner blast tube insertion depth and brickwork

Unless otherwise specified by the boiler manufacturer, heat generators without a cooled front wall require brickwork or insulation 5 as shown in the illustration. The brickwork must not protrude beyond the leading edge of the blast tube, and should have a minimum conical angle of 60°. Gap 6 must be filled with an elastic, non-combustible insulation material. For boilers with reverse firing, the minimum burner tube insertion depth A as specified in the boiler manufacturer's instructions must be observed.

Exhaust system

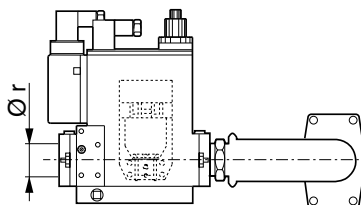
To avoid unfavourable noise emissions, right-angled connectors should not be used on the flue gas side of the boiler.

Gas lines

When installing the gas lines and gas train, the general EN676 directives and guidelines must be observed. EN676 compulsory kit and accessories in order to comply to the safety regulations. Additional accessories and kits shall be installed by the installer in accordance to the local safety regulations and codes of practise.

General regulations applying to the gas connection

- The gas train must only be connected to the gas mains by a recognised specialist.
- The cross-section of the gas line should be of a size designed to guarantee that the gas flow pressure does not drop below the specified level.
- A manual shut-off valve (not supplied) must be fitted upstream of the gas train.

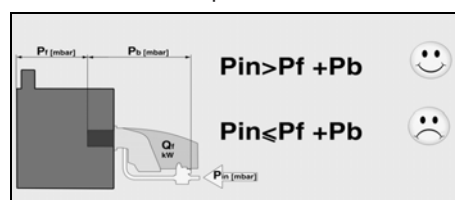


LEGENDA

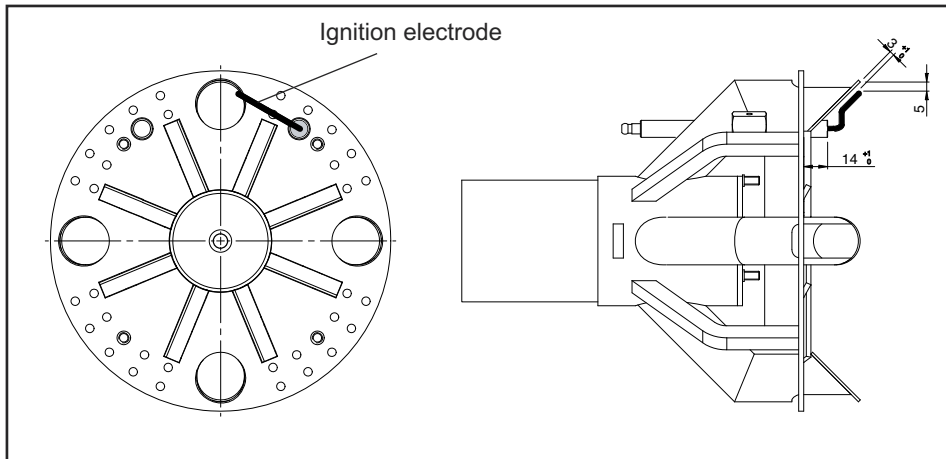
Pf: Back pressure of furnace

Pb: Pressure of burner (combustion head + complete gas train)

Pin: Minimum inlet pressure



Installation - Electrical connection - Checks before commissioning



Position of electrodes

Setting the ionisation probe and ignition electrode: see diagram
Always check the position of the electrodes after service or substitution or assembly of LPG kit as wrong position might cause ignition problem.

Checks before commissioning

The following must be checked before initial commissioning:

- That the burner is assembled in accordance with the instructions given here.
- That the burner is pre-set in accordance with the values in the adjustment table.
- Setting the combustion components.
- The heat generator must be ready for operation, and the operating regulations for the heat generator must be observed.
- All electrical connections must be correct.
- The heat generator and heating system must be filled with water and the circulating pumps must be in operation.
- The thermostats, pressure regulator, low water detectors and any other safety or limiting devices that might be fitted must be connected and operational.
- The exhaust gas duct must be unobstructed and the secondary air system, if available, must be operational.
- An adequate supply of fresh air must be guaranteed.
- The heat request must be available.
- Sufficient gas pressure must be available.
- The fuel supply lines must be assembled correctly, checked for leaks and bled.
- A standard-compliant measuring point must be available, the exhaust gas duct up to the measuring point must be free of leaks to prevent anomalies in the measurement results.

Electrical connection

The electrical installation and connection work must only be carried out by an authorised electrical specialist.

All applicable rules and regulations must be observed.

The electrical installation should include a type A circuit breaker.

The applicable guidelines and directives must be observed, as well as the electrical circuit diagram supplied with the burner!

- Check to ensure that the power supply voltage is as specified in the electric diagram and in data plate.
- Burner fuse: 5 A.

Electrical connection (plug-in)

It must be possible to disconnect the burner from the mains using an omnipolar shutdown device complying with the standards in force. The burner and heat generator (boiler) are connected to the terminal block of the cabinet (fig.1).

Connecting the gas train

Connect the gas train to the plugs on the burner (fig.2).

The burners are produced with connections suitable for power supply 440 V three-phase.

The burners with electric motors of an output lower or equal to 7,5 kW can be

adapted to 254 V (please follow the instructions on the backside); motors with higher output can only work 440 V three-phase.

In case of request of burners different from the above mentioned standard, it is recommended to make specific mention in the order.

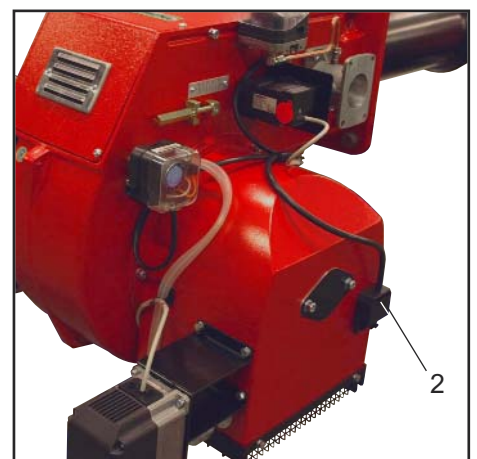
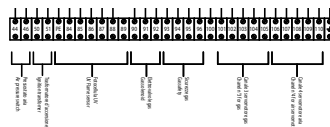
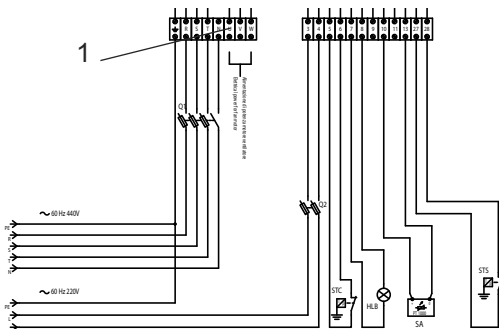
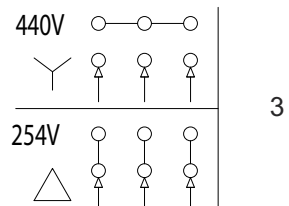
Instructions: how to adapt electric motors of an output lower or equal to 7,5 kW to 254 V power supply

It is possible to change the voltage of the burner by operating as follows:

1. change the connection inside the electric box of the motor, from star to delta (see picture 3);
2. change the setting of the thermal relay, referring to the absorption values indicated in the motor nameplate. If necessary, replace the thermal relay with another one of suitable scale.

This operation is not possible on motors above 7.5 kW.

For more information, please contact the Ecoflam staff.



Start up - Adjusting burner output

Adjusting the maximum air flow rate

Air and Gas adjustment are accomplished through Etamatic S parameters setting. Refer to Etamatic S manual attached.

Adjusting the minimum capacity of the burner

Air and Gas adjustment are accomplished through Etamatic S parameters setting. Refer to Etamatic S manual attached.

Adjusting the intermediate capacity of the burner

Gas adjustment is accomplished through Etamatic S parameters setting. Refer to Etamatic S manual attached.

Adjustment of gas solenoid valve

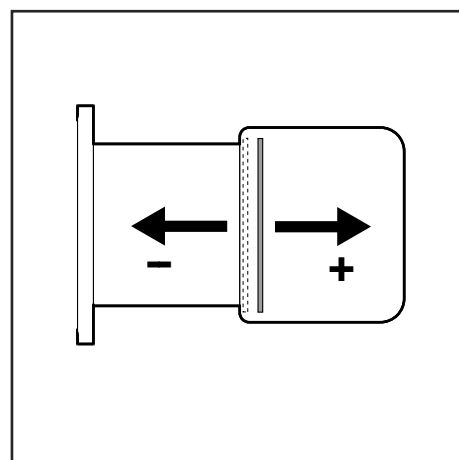
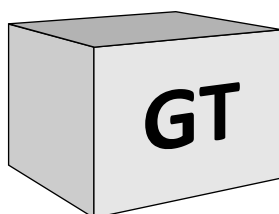
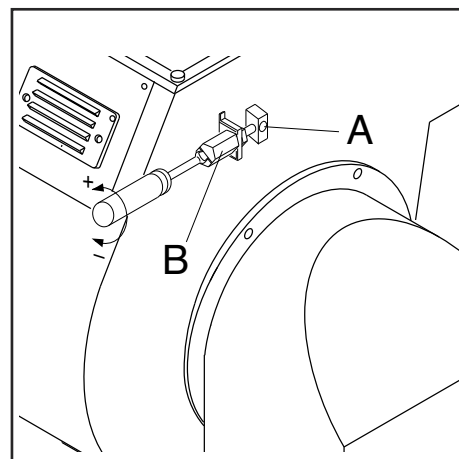
Refer to the gas train manual for the gas setting of the gas train selected.

N.B. observe the minimum required flue gas temperature specified by the boiler manufacturer and the requirements demanded of flue gas ducts for avoiding condensation.

Firing head setting

The firing head position adjustment is made in order to obtain the best combustion efficiency. When used with minimum outputs the firing head is adjusted in rear position. With high output, the firing head is adjusted in forward position. Adjustment:

- loosen screw A through a suitable Allen key.
- by a screwdriver act on the hex. head screw B until is reached the desired position.
- tighten screw A.



Risk of air blast!

Continuously check CO, CO₂ and soot emissions when adjusting the output of the burner. Optimise combustion values in the event of CO formation. CO must not exceed 50 ppm.

Start up - Air pressure switch adjustment - Setting gas pressostat

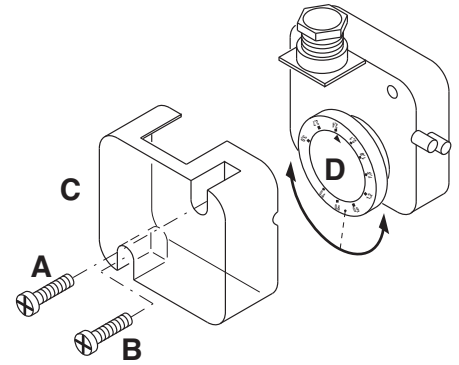
Air pressure switch calibration

The air pressure switch is provided for monitoring the pressure of the combustion air fan.

Unscrew screws A and B and remove cover C.

After the air and gas setting you have to calibrate the air switch with the burner working on the low flame by slowly turning the relative knob clockwise until the burner locks out. Read the value and then decrease it by 15%.

WARNING: the air pressure switch shall prevent the air pressure to go below 85% from the adjustment value in order to prevent the CO in the fumes to exceed 1% (10000 ppm).

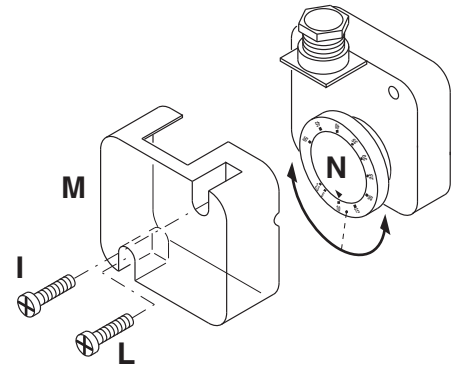


Min gas pressure switch

The gas pressure switch has the function to check that the gas pressure before the gas valve does have the minimum pressure to make the burner running correctly.

Unscrew off and remove cover M.

- Set knob N to a value equal to 60% of gas nominal feed pressure (i.e. for natural gas nom. pressure = 20 mbar, set knob to a value of 12 mbar; for LPG nom. pressure of G30/G31- 30/37 mbar, set knob to a value of 18 mbar). Screw up cover M.



Operating check

Flame monitoring must be checked for safety as part of initial commissioning and also after servicing or if the system has been out of operation for any significant period of time.

- Start attempt with gas ball valve closed: the automatic combustion control unit must switch to gas shortage or malfunction after the end of the safety period.

Service - Maintenance

Burner and boiler servicing must only be carried out by qualified personell. The system operator is advised to take out a service contract to guarantee regular servicing.

temperature is more than 30°C above the value measured at the time of commissioning.

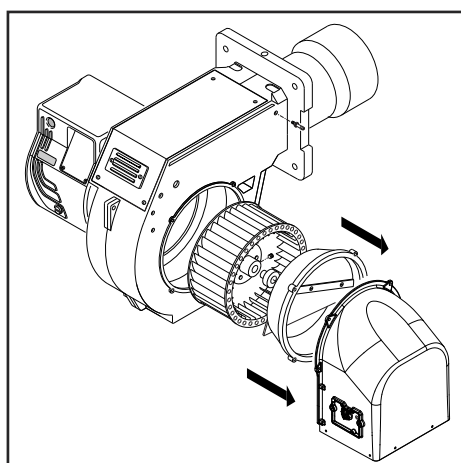
- To simplify the check, use a flue gas temperature indicator.

Attention

- Disconnect the electrical supply before carrying out any maintenance or cleaning work.
- The blast tube and firing head may be hot.

Checking the exhaust gas temperature

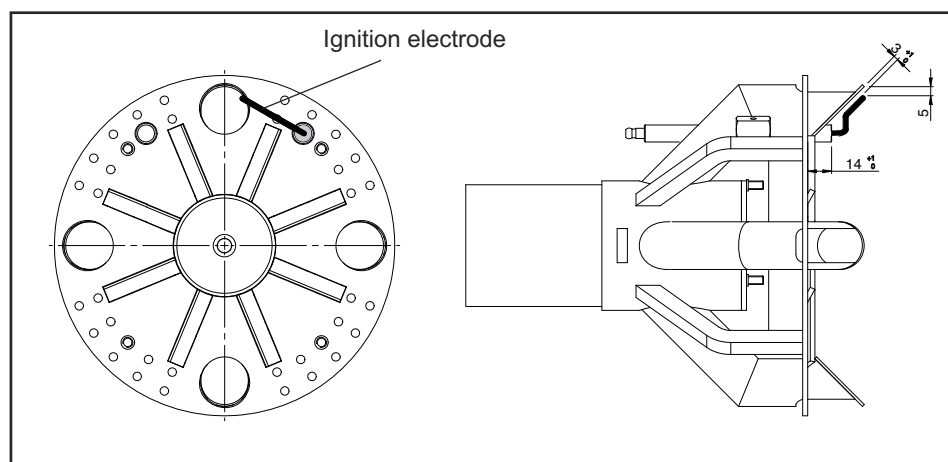
- Check the flue gas temperature at regular intervals.
- Clean the boiler if the flue gas



Maintenance on the burner

- Check gas supply components (tubes, lines) and their connections for leaks or signs of wear, replace if necessary.
- Check electrical connections and connection cables for damage, replace if necessary.
- Check gas filter, clean or replace as necessary.
- Clean fan wheel and housing and check for damage.
- Check and clean the mixing unit.
- Check ignition electrodes block, readjust or replace as necessary.
- Start burner, check flue gas data, correct burner settings if necessary.

- Check the setting for air pressure switch and gas pressostat.
- Check the gas train settings.
- Carry out an operating check.



Service - Troubleshooting

Fault diagnosis and repair

In the event of a malfunction, first check that the prerequisites for correct operation are fulfilled:

1. Is the system connected to the power supply?
2. Is there any gas pressure?
3. Is the gas shut-off valve open?
4. Are all control and safety devices, such as the boiler thermostat, low

Maintenance

Annual check

The burner (combustion head, electrodes, etc.) must be checked regularly by an authorized technician, once or twice a year, depending on how much it is used. Before proceeding with the maintenance check-up on the burner, it is advisable to check the general condition of the burner and take the following steps:

- Disconnect the burner (remove the plug).
- Close the gas shut-off cock.
- Remove the cover from the burner, clean the fan and air intake.
- Clean the combustion head and check the position of the electrodes.
- Re-install the parts.
- Check the seal on the gas connectors.
- Check the state of the flue.
- Start the burner.
- Check the combustion parameters

Before taking any action check:

- That there is power in the circuit and the burner is connected;
- That the gas pressure is right and the gas shut-off cock is open;
- That the control systems are properly connected. If all these conditions have been satisfied, start the burner by pressing the reset button.
- Check the burner cycle.

If the burner fails to start:

check the switch, the thermostats, the

water level detector, limit switch, etc. adjusted correctly?

If the malfunction persists, use the following table.

It is not permitted to repair any components relevant to safety. These components must be replaced by parts with the same order number.

motor and the gas pressure.

If the burner proceeds with pre-ventilation but cuts out at the end of the cycle:

- Check the air pressure and the fan.
- Check the air pressure switch.

If the burner proceeds with pre-ventilation but does not light:

- Check the installation and position of the electrodes.
- Check the ignition cable.
- Check the ignition transformer.
- Check the safety device.

If the burner lights but cuts out after the safety interval:

- Check that the phase and neutral wires are connected correctly.
- Check the gas solenoid valve.
- Check the position and connection of the UV cell.
- Check the UV cell. Check the safety device.

If the burner lights but cuts out after operating for a few minutes:

- Check the pressure regulator and gas filter.
- Check the gas pressure with a pressure gauge.
- Check the detector value.

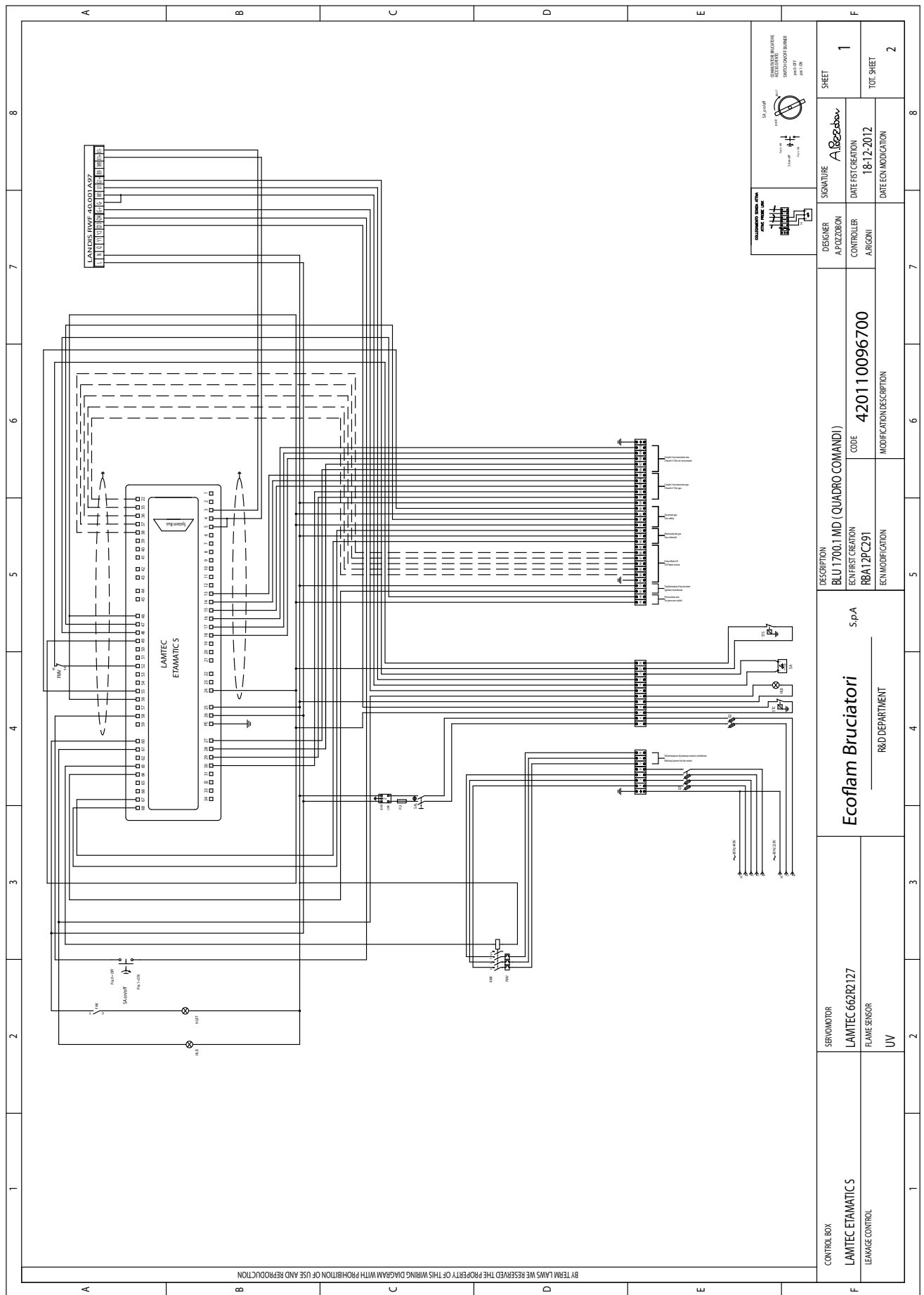
Only use original spare parts.

NB: after each operation:

- under normal operating conditions (doors closed, hood fitted, etc.), check combustion and check the individual lines for leaks.
- Record the results in the relevant documents.

Overview - Electric diagrams

Overview - Electric diagrams / Panoramica - Schemi elettrici / Vue d'ensemble - Schémas électrique / Descripción - Esquemas eléctrico / Обзор - Электрические схемы

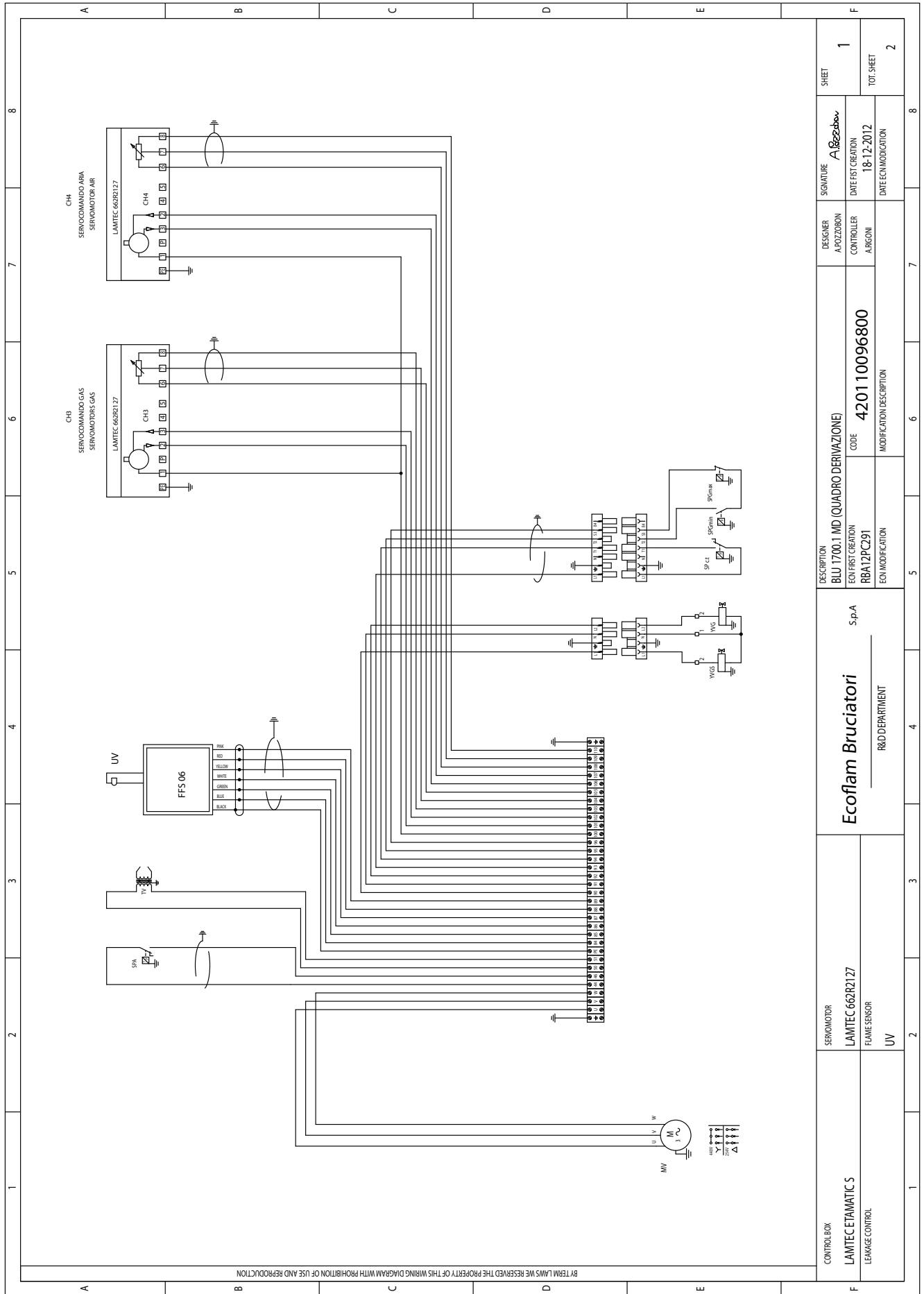


Overview - Electric diagrams

Overview - Electric diagrams / Panoramica - Schemi elettrici / Vue d'ensemble - Schémas électrique / Descripción - Esquemas eléctrico / Обзор - Электрические схемы

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A	BY TERNALAWS WE RESERVE THE PROPERTY OF THIS WIRING DIAGRAM WITH PROHIBITION OF USE AND REPRODUCTION																																																																						
B	<table border="1"> <tr> <td>Q</td> <td>INTERRUTTORE GENERALE CON FUSIBILE INTERRUPTER GENERAL AVEC FUSIBLE INTERRUPTOR GENERAL CON FUSIBLE</td> </tr> <tr> <td>Z</td> <td>FILTRO ANTIDISTURBO FILTRE ANTIBRUITES FILTRO DE PROTECCION ANTIDISTURBO</td> </tr> <tr> <td>FU</td> <td>FUSIBILE FUSIBLE FUSIBLE</td> </tr> <tr> <td>SA</td> <td>SONDA SONDE SONDE</td> </tr> <tr> <td>SA on/off</td> <td>INTERRUTTORE BRUCIATORE ACCESSO/SPENTO BURBUB SWITCH ON/OFF</td> </tr> <tr> <td>HEB</td> <td>LAMPIADA DI BLOCCO LOCK OUT LAMP ESPALE DE BLOQUEO</td> </tr> <tr> <td>MWV</td> <td>COMUTATORE MOTORE VENTILATORE REMOTE CONTROL SWITCH (FAN MOTOR) TELECOMANDO MOTOR VENTILADOR</td> </tr> <tr> <td>SAL</td> <td>INTERRUTTORE DI LINEA WORKING SWITCH INTERRUPTOR DE LINEA</td> </tr> <tr> <td>STC</td> <td>TERMOSTATO CALDIA BOILER THERMOSTAT TERMOSTATO CALDERA</td> </tr> <tr> <td>S75</td> <td>TERMOSTATO DI SICUREZZA SAFETY THERMOSTAT TERMOSTATO DE SEGURIDAD</td> </tr> <tr> <td>HEBT</td> <td>LAMPIADA DI BLOCCO TERMICO THERMAL LOCK OUT LAMP ESPALE THERMAL LOCK OUT LAMP</td> </tr> <tr> <td>FLG91</td> <td>LAMPIERA GAS GAS LAMP LAMPERE GAS</td> </tr> <tr> <td>HEBT</td> <td>LAMPIERA THERMAL LOCK OUT THERMAL LOCK OUT LAMP ESPALE THERMAL LOCK OUT LAMP</td> </tr> </table>															Q	INTERRUTTORE GENERALE CON FUSIBILE INTERRUPTER GENERAL AVEC FUSIBLE INTERRUPTOR GENERAL CON FUSIBLE	Z	FILTRO ANTIDISTURBO FILTRE ANTIBRUITES FILTRO DE PROTECCION ANTIDISTURBO	FU	FUSIBILE FUSIBLE FUSIBLE	SA	SONDA SONDE SONDE	SA on/off	INTERRUTTORE BRUCIATORE ACCESSO/SPENTO BURBUB SWITCH ON/OFF	HEB	LAMPIADA DI BLOCCO LOCK OUT LAMP ESPALE DE BLOQUEO	MWV	COMUTATORE MOTORE VENTILATORE REMOTE CONTROL SWITCH (FAN MOTOR) TELECOMANDO MOTOR VENTILADOR	SAL	INTERRUTTORE DI LINEA WORKING SWITCH INTERRUPTOR DE LINEA	STC	TERMOSTATO CALDIA BOILER THERMOSTAT TERMOSTATO CALDERA	S75	TERMOSTATO DI SICUREZZA SAFETY THERMOSTAT TERMOSTATO DE SEGURIDAD	HEBT	LAMPIADA DI BLOCCO TERMICO THERMAL LOCK OUT LAMP ESPALE THERMAL LOCK OUT LAMP	FLG91	LAMPIERA GAS GAS LAMP LAMPERE GAS	HEBT	LAMPIERA THERMAL LOCK OUT THERMAL LOCK OUT LAMP ESPALE THERMAL LOCK OUT LAMP																														
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Overview - Electric diagrams



CONTROL BOX	SERVOMOTOR	Ecoflam Bruciatori		S.p.A		DESCRIPTION	
LAMTEC ETAMATIC S	LAMTEC 662R2127	BLU 1700.1 MD (QUADRO DERIVAZIONE)		420110096800		BLU 1700.1 MD (QUADRO DERIVAZIONE)	
LEAKAGE CONTROL	FLAME SENSOR	R&D DEPARTMENT		R&D DEPARTMENT		ECON FIRST CREATION	
	UV					RBA 12PC291	
						ECON MODIFICATION	
						DATE OF MODIFICATION	
						DATE OF FIRST CREATION	
						18-12-2012	
						DATE OF MODIFICATION	
						1	
						TOT. SHEET	
						2	

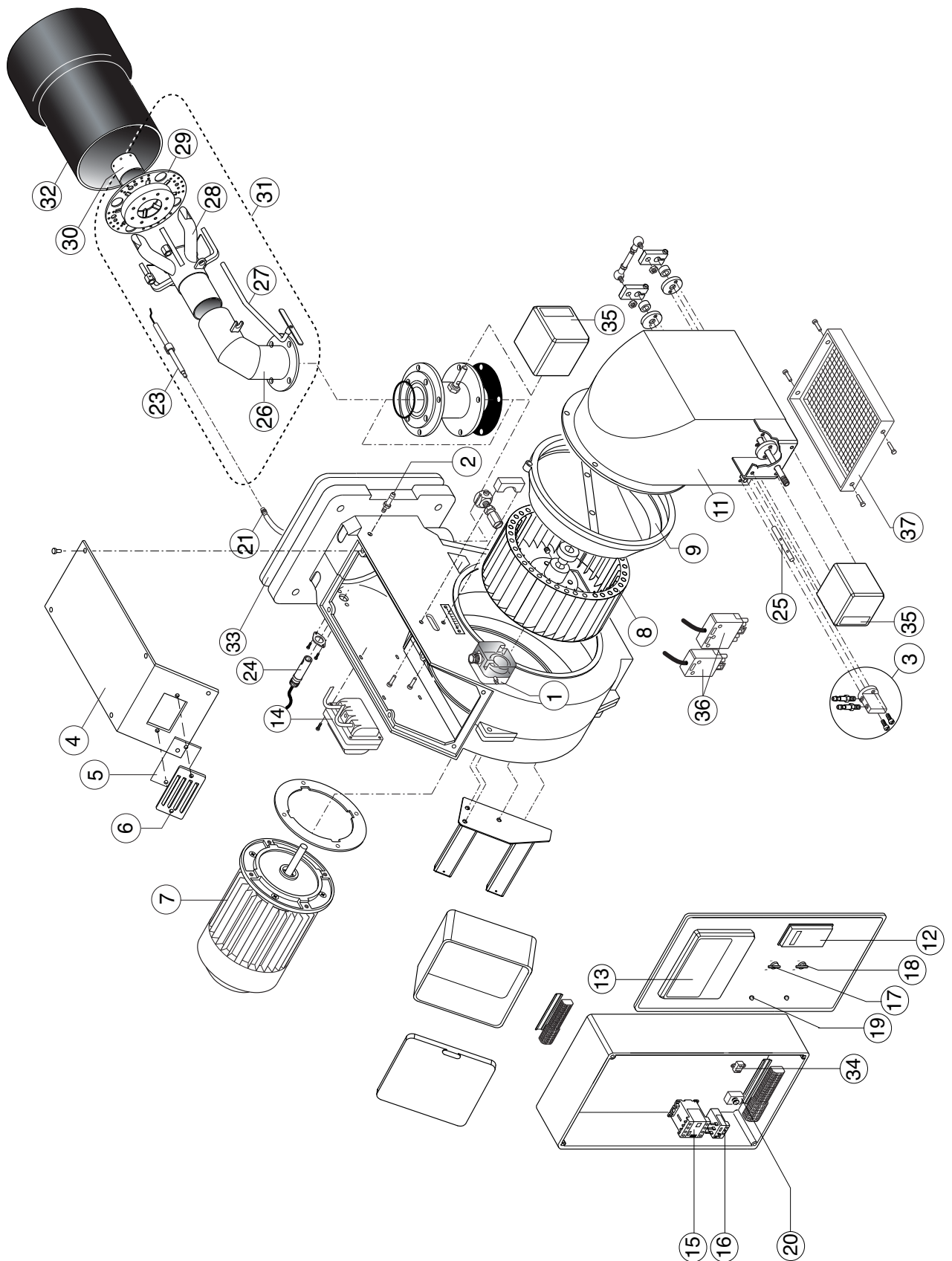
Overview - Electric diagrams

Overview - Electric diagrams / Panoramica - Schemi elettrici / Vue d'ensemble - Schémas électrique / Descripción - Esquemas eléctrico / Обзор - Электрические схемы

1	2	3	4	5	6	7	8	
A	B	C	D	E	F	F	F	
TV	UV	SPA	MW	YVGI	YVGS	SPGmin	SPct	
TRANSFORMATORE TRANSFORMER TRANSFORMATEUR / ALLUMAGE TRANSFORMADOR	FOTOCELLULA UV CELL CELLULE UV FOTOCELULA	PRESSOSTATO ARIA AIR PRESSURE SWITCH PRESSOSTAT AIR PRESOSTATO AIRE	MOTORE VENTILATORE MOTOR FAN MOTEUR VENTILATEUR MOTOR VENTILADOR	ELETTRIVALVOLA GAS DI PRIMA FIAMMA FIRST STAGE GAS SOLENOID VALVE ELECTROVANNE GAZ PETITE ALLURE ELECTROVALVULA GAS DE 1 ^a LLAMA	ELETTRIVALVOLA GAS DI SICUREZZA EXTRA SAFETY GAS SOLENOID VALVE ELECTROVANNE GAZ DE SECURITE ELECTROVALVULA GAS DE SEGURIDAD	PRESSOSTATO GAS DI MINIMA GAS PRESSURE SWITCH MIN PRESSOSTAT GAZ PRESSION MIN PRESOSTATO GAS DE MINIMA POT.	PRESSOSTATO PRE CONTROLLO D'INTERITA GAS PRESSURE LEAKAGE CONTROL PRESSOSTAT LE CONTROLE DE FANCHETTI PRESOSTATO GAS CONTROL DE ESTANQUIDAD	PRESSOSTATO GAS DI MASSIMA GAS PRESSURE SWITCH MAX PRESSOSTAT GAZ PRESSION MAX PRESOSTATO GAS DE MAXIMA POT.
CONTROL BOX LAMTEC ETAMATICS LEAKAGE CONTROL	SERVOMOTOR LAMTEC 662R2127 FLAME SENSOR UV	Ecoflam Bruciatori S.p.A R&D DEPARTMENT	DESCRIPTION BLU 1700.1 MD (QUADRO DERIVAZIONE) ECN FIRST CREATION RBA12PC291 ECN MODIFICATION	CODE 420110096800 MODIFICATION DESCRIPTION	DESIGNER A.FOZZORON CONTROLLER A.RIGNON	SIGNATURE A. Bezzabov DATE FIRST CREATION 18-12-2012 DATE EN MODIFICATION	SHEET 2 TOT. SHEET 2	
A	B	C	D	E	F	F	F	

Overview - Spare parts list

Blu 1700.1-2000.1 MD



Overview - Spare parts list

N°	DESCRIPTION		BLU 1700.1 MD
			code
1	AIR PRESSURE SWITCH	DUNGS LGW10 A2P	65323047
2	PRESSURE GAUGE		65321341
3	AIR INTAKE SET		65322346
4	COVER		65320676
5	GLASS		65320487
6	PEED WINDOM FRAME		65320488
7	MOTOR	4000 W	65325351
8	FAN	280 X 140	65321798
9	AIR CONVEYOR		65320643
10	FAN SCOOP		-
11	AIR INTAKE		65320555
12	MODULATING UNIT	RWF40-001A97	65324804
13	CONTROL BOX	LAMTEC EMATIC-S 663R1102DE	65324798
14	IGNITION TRANSFORMER	COFI 820 PM	65323229
15	REMOTE CONTROL SWITCH	BF16.10	65323131
16	MOTOR THERMAL RELAY	LOVATO RF25 6-10 A	65323108
17	MAIN SWITCH	COMEPI ART.ECX1252	65324098
18	RESET	COMEPI	65324278
19	LAMP	LYVIA 10X28 BA9S	65324100
20	FUSE SUPPORT	ITALWEBER 5X20HF	65322180
21	IGNITION CABLE	TC	65320943
		TL	65320946
22	IONIZATION CABLE		-
23	IGNITION ELECTRODE		65320903
24	UV CELL	LAMTEC UV-2 FFS06	65324800
25	AIR INTAKE PIPE		65321230
26	PIPE	TC	65321667
		TL	65321668
27	ROD	TC	65320244
		TL	65320245
28	FIRING HEAD		65321669
29	FRONT DISC		65320743
30	FRONT PIPE	METANO	65321606
		GPL	65321609
31	INNER ASSEMBLY	TC	
		TL	
32	BLAST TUBE	TC	65320438
		TL	65320439
33	GASKET		65321124
34	ANTIJAMMING FILTER		65323170
35	AIR DAMPER MOTOR	LAMTEC 662R2127	65324802
36	PLUG WIELAND	7 PIN	65322069
		4 PIN	65322064
37	PROTECTION		65320557

TC = Short Head TL = Long Head

Contents - Conformity declaration / Contenuti generali - Dichiarazione di conformità / Contenus généraux - Déclaration de conformite / Contenidos generales - Declaración de conformidad / Содержание - Сертификат соответствия / Inhalt - Konformitätserklärung

Declaration of conformity for gas burners

We,
Ecoflam Bruciatori S.p.A.

declare under our sole responsibility that the gas burners named

BLU 1700.1 PR

conform to the following standards:

EN 676: 2008
EN 60335-1: 2008
EN 60335-2-30: 2006
EN 60335-2-102: 2007
EN 55014-1: 2008 + A1: 2009
EN 55014-2: 1998 + A1: 2001 + A2: 2008

These products bear the CE mark in accordance with the stipulations of the following directives:
2009/142/EEC Gas Appliance Directive
2006/95/EEC Low Voltage Directive
2004/108/EEC EMC Directive
2006/42/EC Machinery directive

Resana, 28th June 2011
M. PANIZZON

Dichiarazione di conformità per bruciatori a gas

Noi,
Ecoflam Bruciatori S.p.A.

dichiariamo sotto la nostra responsabilità, che i bruciatori a gas

BLU 1700.1 PR

sono conformi alle norme elencate :

EN 676: 2008
EN 60335-1: 2008
EN 60335-2-30: 2006
EN 60335-2-102: 2007
EN 55014-1: 2008 + A1: 2009
EN 55014-2: 1998 + A1: 2001 + A2: 2008

Questi prodotti vengono contrassegnati con il marchio CE nel rispetto delle direttive:
2009/142/EEC Gas Appliance Directive
2006/95/EEC Low Voltage Directive
2004/108/EEC EMC Directive
2006/42/EC Machinery directive

Resana, 28 Giugno 2011
M. PANIZZON

Déclaration de conformité pour brûleurs de gaz

Nous ,
Ecoflam Bruciatori S.p.A.

déclarons sous notre responsabilité, que les brûleurs de gaz

BLU 1700.1 PR

sont en conformité avec les normes suivantes:

EN 676: 2008
EN 60335-1: 2008
EN 60335-2-30: 2006
EN 60335-2-102: 2007
EN 55014-1: 2008 + A1: 2009
EN 55014-2: 1998 + A1: 2001 + A2: 2008

Ces produits sont marqués avec la marque CE dans le respect des directives:
2009/142/EEC Gas Appliance Directive
2006/95/EEC Low Voltage Directive
2004/108/EEC EMC Directive
2006/42/EC Machinery directive

Resana, 28 Juin 2011
M. PANIZZON

Declaración de conformidad para quemadores de gas

Nosotros,
Ecoflam Bruciatori S.p.A.

declaramos bajo nuestra responsabilidad que los quemadores de gas

BLU 1700.1 PR

cumplen las normas siguientes :

EN 676: 2008
EN 60335-1: 2008
EN 60335-2-30: 2006
EN 60335-2-102: 2007
EN 55014-1: 2008 + A1: 2009
EN 55014-2: 1998 + A1: 2001 + A2: 2008

Estos productos están marcados con la marca CE de conformidad con la directivas:
2009/142/EEC Gas Appliance Directive
2006/95/EEC Low Voltage Directive
2004/108/EEC EMC Directive
2006/42/EC Machinery directive

Resana, 28 de junio 2011
M. PANIZZON

Декларация о соответствии для газовых горелок

Мы, компания
Ecoflam Bruciatori S.p.A.

заявляем под свою ответственность, что газовые горелки

BLU 1700.1 PR

соответствуют требованиям следующих стандартов :

EN 676: 2008
EN 60335-1: 2008
EN 60335-2-30: 2006
EN 60335-2-102: 2007
EN 55014-1: 2008 + A1: 2009
EN 55014-2: 1998 + A1: 2001 + A2: 2008

Эти изделия маркируются знаком CE в соответствии с директивами:
2009/142/EEC Gas Appliance Directive
2006/95/EEC Low Voltage Directive
2004/108/EEC EMC Directive
2006/42/EC Machinery directive

Resana, 28 июня 2011
M. PANIZZON

Konformitätserklärung für Gasbrenner

Wir,
Ecoflam Bruciatori S.p.A.

erklären in alleiniger Verantwortung, dass das Gasbrenner benannt

BLU 1700.1 PR

entsprechen den folgenden Normen:

EN 676: 2008
EN 60335-1: 2008
EN 60335-2-30: 2006
EN 60335-2-102: 2007
EN 55014-1: 2008 + A1: 2009
EN 55014-2: 1998 + A1: 2001 + A2: 2008

Diese Produkte verfügen über die CE-Kennzeichnung in Übereinstimmung mit den folgenden Richtlinien:
2009/142/EEC Gas Appliance Directive
2006/95/EEC Low Voltage Directive
2004/108/EEC EMC Directive
2006/42/EC Machinery directive

Resana, 28th Juni 2011
M. PANIZZON

Ecoflam

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<http://www.ecoflam-burners.com>

e-mail: export@ecoflam-burners.com

Società soggetta alla direzione e al coordinamento di Ariston Thermo S.p.A.

Via A. Merloni, 45 - 60044 Fabriano (AN) - CF 01026940427

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Ecoflam Bruciatori S.p.A. si riserva il diritto di apportare ai prodotti le modifiche che riterrà necessarie o utili, senza pregiudicarne le caratteristiche principali.

La maison Ecoflam Bruciatori S.p.A. se réserve le droit d'apporter les modifications qu'elle jugera nécessaires ou utiles à ses produits sans pour autant nuire à leurs caractéristiques principales

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