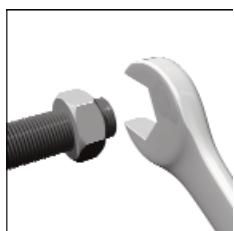


**MAX 15
MAX 20
MAX 30**

EN
IT
FR
ES
RU



**Technical data
Dati tecnici
Données techniques
Datos técnicos
Технические характеристики**



**Operating instructions
Istruzioni per l'uso
Notice d'emploi
Manual de uso
Руководство по эксплуатации**



**Electric and hydraulic diagrams
Schemi elettrico e idraulico
Schémas électrique et hydraulique
Esquemas eléctrico e hidráulico
Электрические и гидравлические схемы**



**Spare parts list
Pièces de rechange
Parti ricambi
Запчасти
Piezas de recambio**



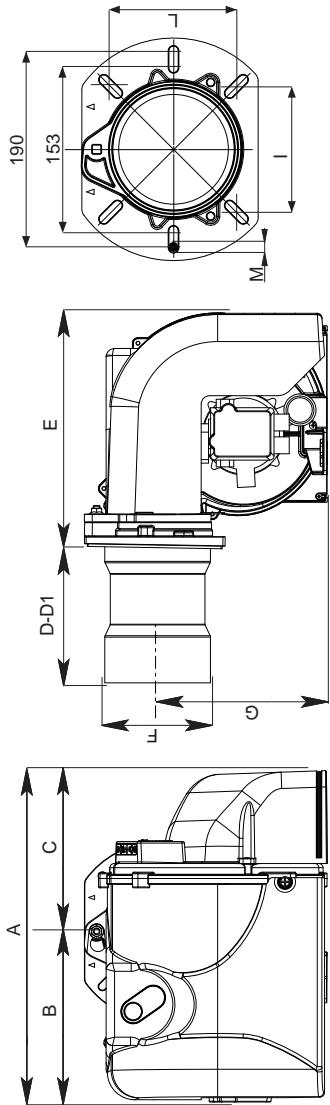
420010371901

MAX 15 TC	3142729
MAX 15 TL	3142730
MAX 20 TC	3142731
MAX 20 TL	3142732
MAX 30 TC	3142733
MAX 30 TL	3142734

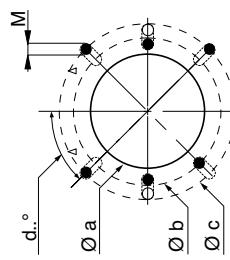
Technical data	Dati tecnici	Données techniques	Datos técnicos	Datos técnicos	Технические характеристики	MAX 15	MAX 20	MAX 30
Burner output max/min kW - kcal/h	Potenza bruciatore max/min kW - kcal/h	Puissance du brûleur max/min kW - kcal/h	Potencia del quemador máx/min kW - kcal/h	Potencia del quemador máx/min kW - kcal/h	Мощность горелки макс./мин., кВт - ккал/час	190	73,4	237
Oil throughput max/min kg/h	Portata gasolio max/min kg/h	Débit de fuel max/min kg/h	Caudal de gasóleo máx/min kg/h	Расход топлива макс./мин., кг/ч	204000	74460	275400	94860
Hydraulic system 1 stage	Sistema idraulico 1 stadio	Système hydraulique 1 allure	Sistema hidráulico 1 etapa	Гидросистема 1 ступень	16	6,2	20	7,3
Regulating ratio	Rapporto di regolazione	Rapport de régulation	Relación de regulación	Коэффициент регулирования	1	1	1	1
Fuel oil	Combustibile	Fuel	Combustible	Топливо	Light oil (L.C.V. 10.200 kcal/kg max. visc. 1,5°C at 20°C) (EL) Hu = 11,86 kWh/kg			
Emission class	Classe di emissione	Classe d'émission	Tipo de emisión	Класс выделения загрязняющих веществ	Standard Class 2 - OIL EN267 (NOx < 185 mg/kWh)			
Control box	Apparecchiatura di controllo	Coffret de sécurité	Cajetín de seguridad	Блок управления и безопасности	E-BCU Ecoflam			
Air regulation	Regolazione aria	Réglage de l'air	Ajuste del aire	Настройка подачи воздуха	-	-	-	-
Air flap	Serranda dell'aria	Volet d'air	Válvula de aire	Воздушная заслонка	E-BCU Ecoflam			
Flame monitor	Rivelatore di fiamma	Surveillance de flamme	Vigilancia de llama	Контроль пламени	photoresistor	photoresistor	photoresistor	photoresistor
Ignition transformer	Trasformatore d'accensione	Allumeur	Encendedor	Устройство розжига	danfoss / cofi	danfoss / cofi	danfoss / suntec	danfoss / suntec
Fuel-oil pump	Pompa di pressione gasolio	Pompe de pulvérisation fuel	Bomba de pulverización de gasóleo	Насос распыления дизельного топлива	danfoss / suntec	danfoss / suntec	danfoss / suntec	danfoss / suntec
Electric motor rpm - watt	Motore elettrico giri motore - watt	Moteur rpm - watt	Motor rpm - watt	Электродвигатель об/мин - watt	2800 rpm	2800 rpm	2800 rpm	2800 rpm
Voltage	Tensione	Tension	Tensión	Напряжение	230 V / 50 Hz			
Power consumption (operation)	Potenza elettrica assorbita (Esercizio)	Puissance électrique absorbée (en service)	Pot. eléctrica absorbida (en funcionamiento)	Потребляемая электрическая мощность: (при работе)	400 W	450 W	450 W	450 W
Net weight	Peso netto	Poids net	Peso neto	Приблизительная масса	11,6 kg	11,8 kg	12,6 kg	12,6 kg
Protection level	Classe di protezione	Indice de protección	Indice de protección	Класс электрозащиты	IP40			
Sound pressure level dB(A)	Livello pressione sonora dB(A)	Niveau presion acústique dB(A)	Nivel de presión acústico dB(A)	Уровень шума, dB(A)	70	70	70	70
Ambient temp. for storage	Temperatura ambiente di stoccaggio	Température ambiante de stockage	Temperatura ambiente de almacenamiento	Температура хранения	-20° ...+70° C			
Temperature for use	Temperatura d'utilizzazione	Température d'utilisation	Temperatura ambiente de utilización	Рабочая температура	-10° ...+60° C			

Overview - Dimensions / Panoramica - Dimensioni / Dimensions - Descripción - Dimensions / Dimensions - Обзор - Размеры

MAX 15 - 20 - 30



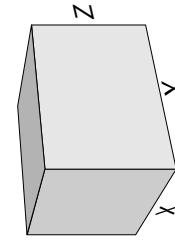
Model	A	B	C	D	D1	E	F	G	I	L	M
MAX 15	392	202	190	160	260	276	107	201	120/131	120/131	M8
MAX 20	392	202	190	160	260	276	125	201	120/131	120/131	M8
MAX 30	392	202	190	160	260	276	125	201	120/131	120/131	M8



Model	Ø a	Ø b	Ø c	d°..
MAX 15	117	153	190	45°
MAX 20	135	153	190	45°
MAX 30	135	153	190	45°

Packaging

Model	X	Y	Z	Kg
MAX 15	450	610	390	14,8
MAX 20	450	610	390	15
MAX 30	450	610	390	15,7



Contents - Burner description

MAX 15 LNTW TC - 230V/50Hz

RANGE NAME BY FUEL TYPE

MAX Light oil

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

MAX 15 16 kg/h

EMISSION COMBUSTION TYPE

MAX Low NOx Low NOx Class 3 yellow flame (<120 mg/kWh)

MAX Standard Class 2-OIL EN267 (<185 mg/kWh)

OPERATION TYPE

- 1 stage
TW Thermowatt E-BCU

HEAD TYPE

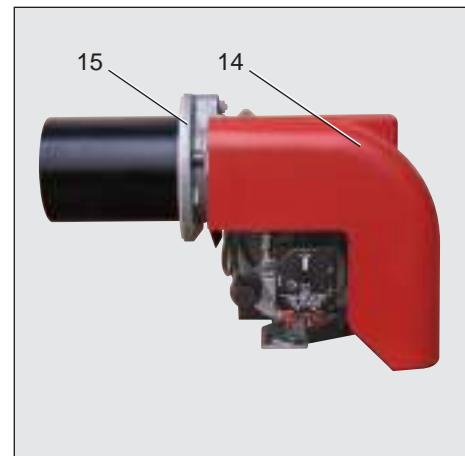
TC Short head
TL Long head

FUEL

- Light oil
KER Kerosene
BIODIESEL Biodiesel
D Heavy oil: max visc. 50° E at 50°C

ELECTRICAL SUPPLY TO THE SYSTEM

230V/50Hz 230 Volt, 50Hz



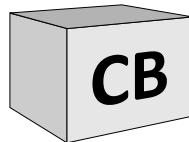
- | | |
|------|--|
| A1 | E-BCU OIL control box |
| M1 | Electric motor for pump and blower wheel |
| T1 | Ignition transformer |
| Y | Graduated rod |
| Y1 | Solenoid valve |
| 3 | Air regulation in the burner head |
| 5 | Fastening screws for equipment plate |
| 9 | Wieland socket |
| 15 | Burner flange |
| 16 | Release knob |
| 102 | Fuel-oil pump |
| 103B | Air regulation |
| 113 | Air intake |

Scope of delivery

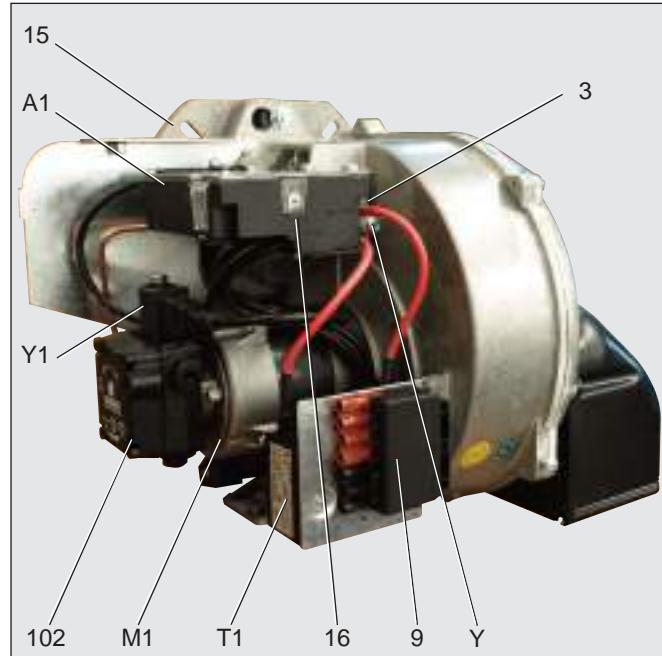
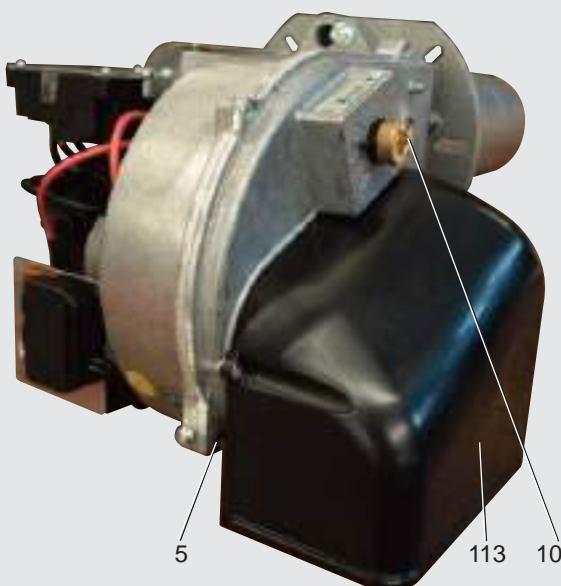
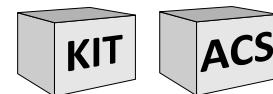
CB: COMPLETE BURNER

- 1 bag including :

- multilanguage technical manual.
- filter and hoses.
- wieland plug.
- nozzle and spanner.
- screws, nuts and washer.



KIT & ACS delivered separately



Function - General safety functions

Operating function

- If heat is requested by the boiler thermostat, the automatic oil combustion control unit starts the program sequence.
- The motor starts, the igniter is switched on and the preventilation period of 15 seconds commences.
- During the preventilation period, the furnace is monitored for flame signals.
- At the end of the preventilation period, the fuel-oil solenoid valve opens and the burner starts.
- The igniter remains switched off while the burner is in operation.

Controlled shutdown

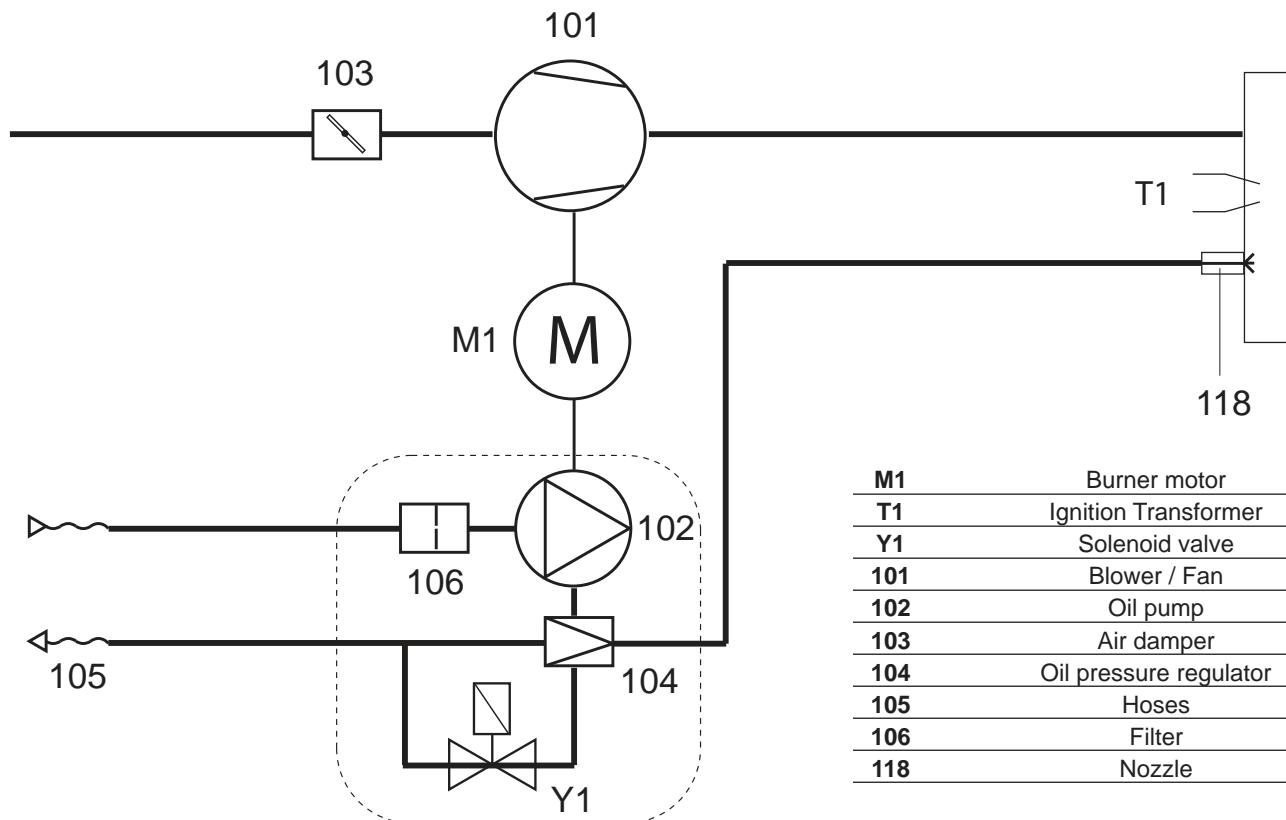
- Boiler thermostat interrupts heat request.
- The fuel-oil solenoid valve closes and the flame is extinguished.
- Burner motor switches off.
- Burner enters standby.

Safety function

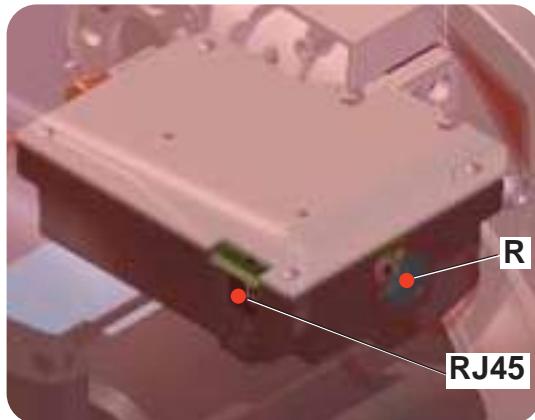
- A safety shutdown occurs:
- if a flame signal is present during preventilation (parasitic flame monitoring).
 - if no flame is produced within 5 seconds (safety time) of start-up (fuel authorisation).
 - if no flame is produced after an unsuccessful restart attempt in the event of flame failure during operation.

A safety shutdown is indicated by the malfunction lamp lighting up and it is then only possible to reenable the burner by pressing the reset button after the cause of the malfunction has been rectified.

For further information, see the automatic combustion control unit description.



Function - E-BCU OIL control and safety unit



R - Reset button + lock-out led.

RJ45 - Connector for PC interface (diagnostic, separate item).



KIT E-BCU
DIAGNOSTIC TOOL
(not supplied)

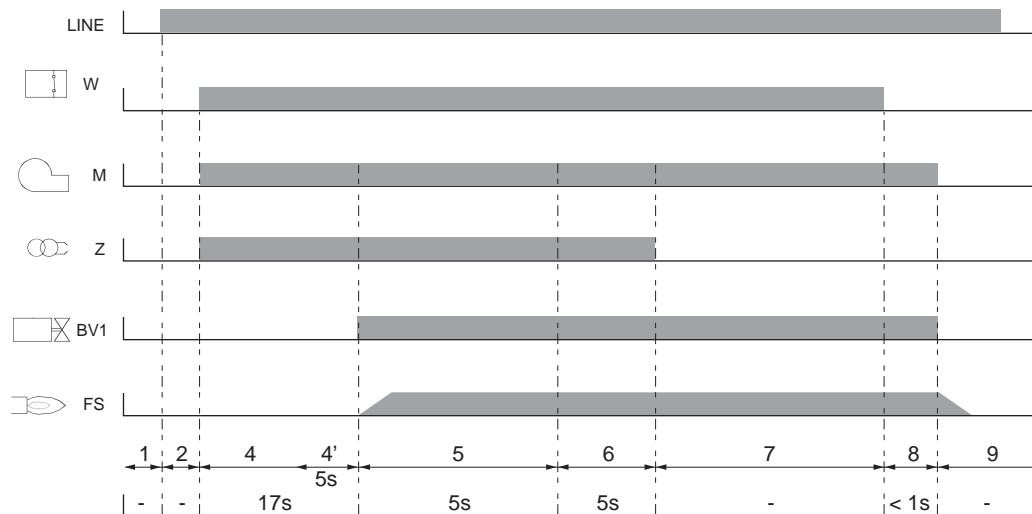
The E-BCU OIL fuel oil control and safety unit controls and monitors the forced draught burner. The microprocessor-controlled program sequence ensures maximum stability of time periods, regardless of fluctuations in the power supply or ambient temperature. The design of the automatic combustion control unit protects it from the effects of brownouts. Whenever the supply voltage drops below its rated minimum level (170 V), the control unit shuts down - even in the absence of a malfunction signal. The control unit switches itself back on again once the voltage has exceeded the 178 V.

Locking and unlocking the system

The control unit can be locked (switched to malfunction) and unlocked (malfunction cleared) by pressing the R reset button, provided the system is connected to the mains power supply.



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



LINE Electrical supply

BV... Fuel valve

FS Flame signal

M Burner motor

OW Release contact of oil preheater

W Control thermostat or pressurestat

Z Ignition transformer

1 No voltage

2 Power supply on, no heat request

4 Preventilation: motor ON, ignition ON

4' Parasitic flame monitoring

5 Burner start: solenoid valve OFF, flame production, safety time

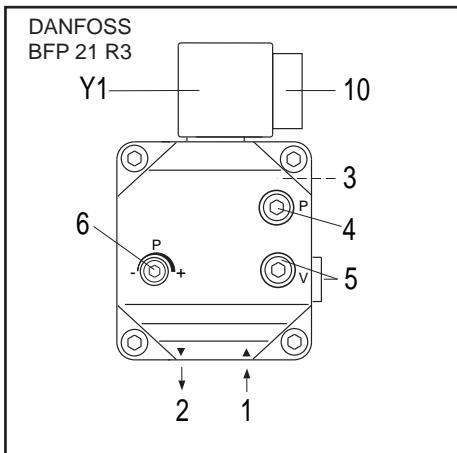
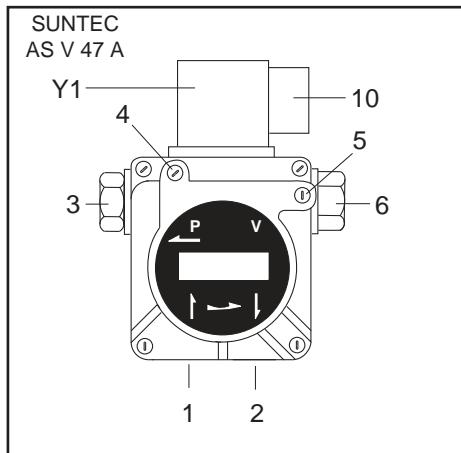
6 Flame present, post-ignition period

7 Burner operation

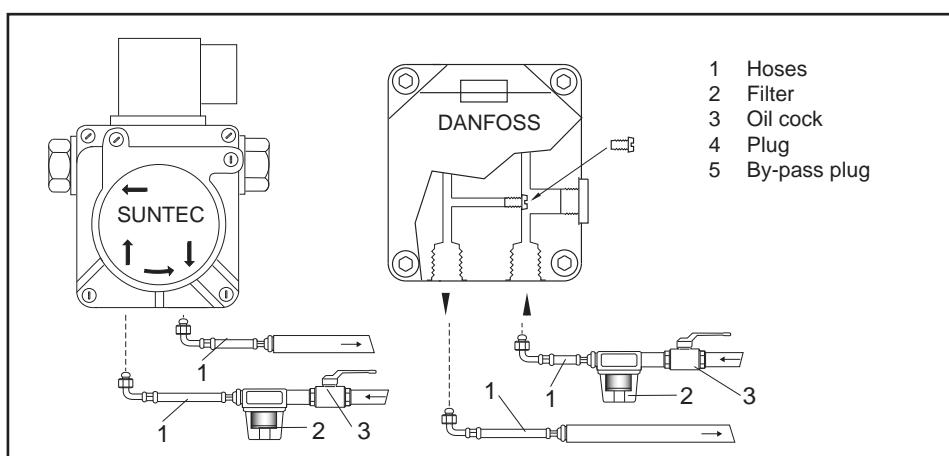
8 End of heat request, solenoid valve closes, burner stop

9 Standby

Function - Oil burner pump

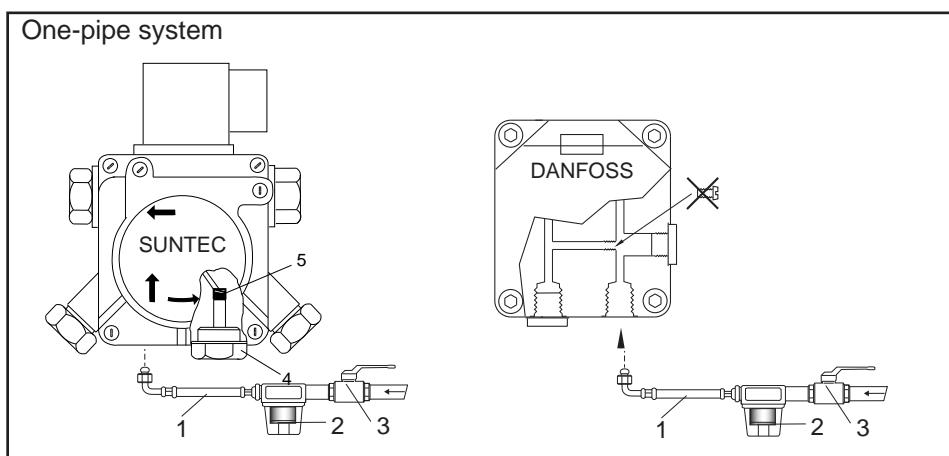


- 1 suction intake connection.
- 2 return connection.
- 3 pressure connection.
- 4 oil pressure gauge connection.
- 5 negative pressure gauge connection.
- 6 oil pressure regulator.
- 10 Solenoid valve electrical connection.
- fuel-oil solenoid valve.



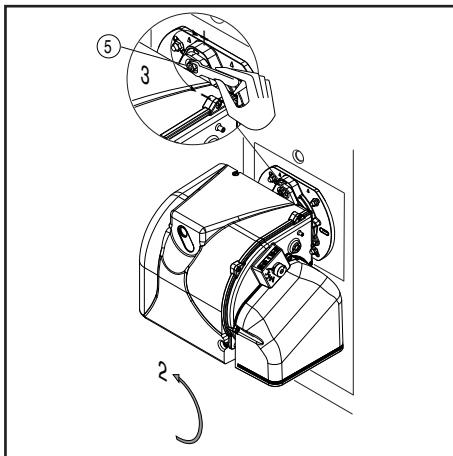
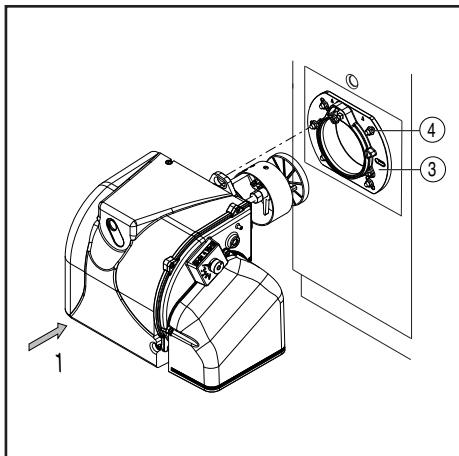
The oil burner pump used is a self-priming gear pump, which must be connected as two-line pump via a bleed filter. There is an intake filter and an oil pressure regulator integrated in the pump. Pressure gauges for pressure measurements and negative pressure measurements must be connected before the equipment is commissioned.

NB: before starting the burner, check that the return pipe is open. An eventual obstruction could damage the pump sealing device.



ONE PIPE SYSTEM: If the oil supply circuit is one-pipe system, the pump needs to be modified following instructions in the picture.

Installation - Burner assembly



Burner assembly

The burner is fixed by mean of connecting flange and therefore to the boiler.

Installation:

- To fix the flange 3 to the boiler with the screws 4.
- Turn the burner slightly, guide it into the flange and secure using screw 5.

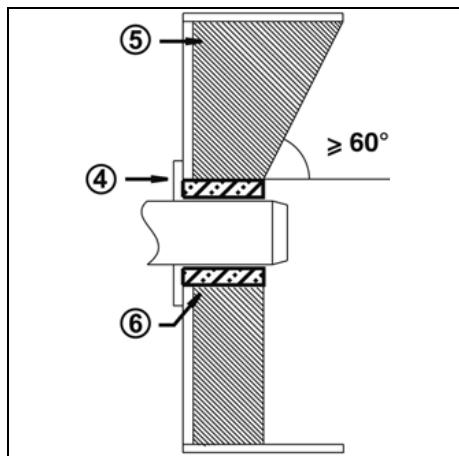
Removal:

- Loosen screw 5.
- Turn the burner out and pull it out of the flange.



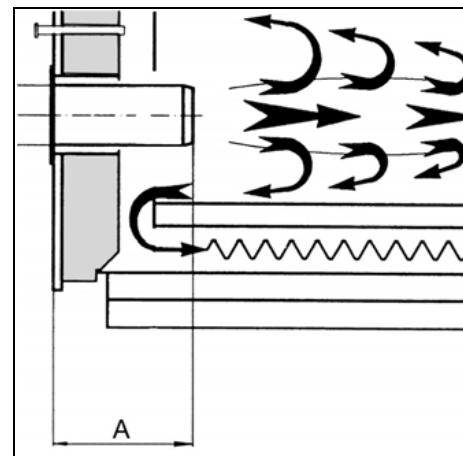
Oil connection

The filter must be located in such a way that the correct hose routing cannot be impaired. The hoses must not kink.



Burner pipe insertion depth and brickwork

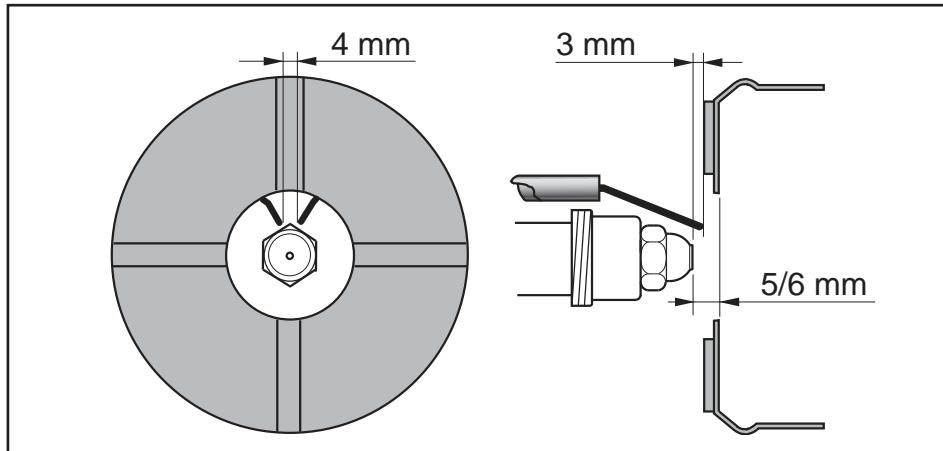
Unless otherwise specified by the boiler manufacturer, heat generators without a cooled front wall require brickwork or insulation 5 as shown in the illustration. The brickwork must not protrude beyond the leading edge of the flame tube, and should have a maximum conical angle of 60°. Gap 6 must be filled 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

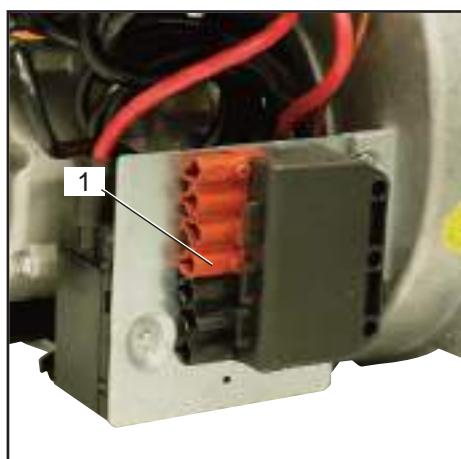
To avoid unfavourable noise emissions, right-angled connectors should not be used on the flue gas side of the boiler.

Installation - Electrical connection - Checks before commissioning



Position of electrodes

Note: Always check the position of electrodes after having replaced the nozzle (see illustration). A wrong position could cause ignition troubles.



Electrical connection

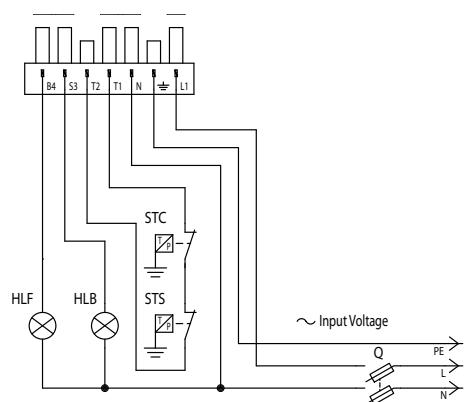
The electrical installation and connection work must only be carried out by an authorised electrical specialist.

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 by a 7-pin connector (fig.1).

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.

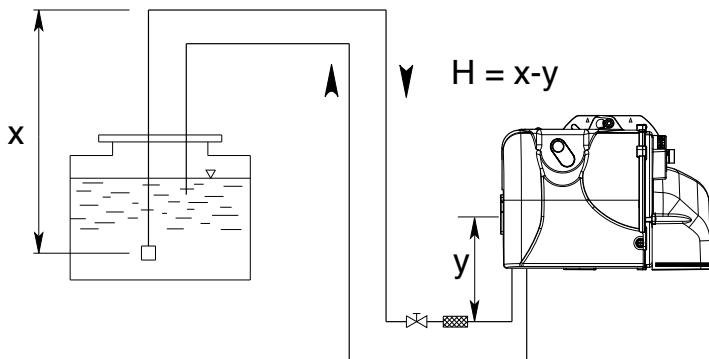
- The thermostats, pressure regulator, low water detectors and any other safety or limiting devices that might be fitted must be connected and operational.
- The exhaust gas duct must be unobstructed and the secondary air system, if available, must be operational.
- An adequate supply of fresh air must be guaranteed.
- The heat request must be available.
- Fuel tanks must be full.
- 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.

Installation - Oil feeding and suction line

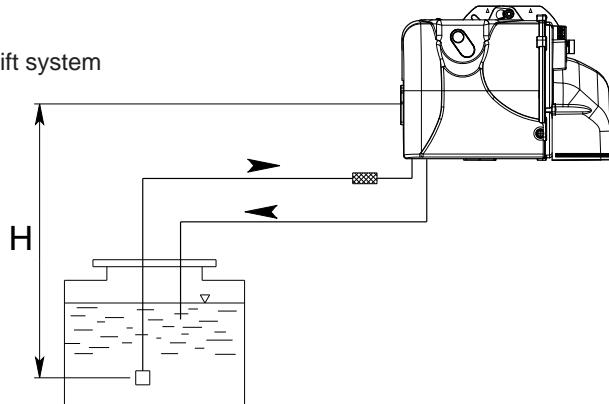
Two-pipe siphon feed system



FEEDING LINE WITH SUNTEC AS V 47 A

H (m)	Length pipe (m)	
	ø 8 mm	ø 10 mm
0,5	30	65
1	35	70
1,5	40	75
2	45	80
2,5	50	85
3	55	90
3,5	60	95

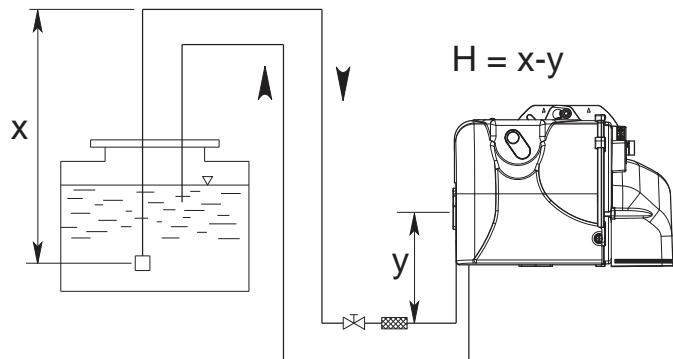
Two-pipe lift system



H (m)	Length pipe (m)	
	ø 8 mm	ø 10 mm
0,5	23	55
1	21	50
1,5	19	45
2	17	40
2,5	14	34
3	9	28
3,5	4	22

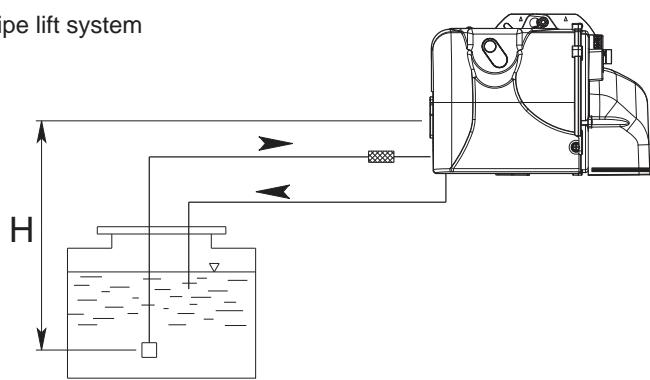
Two-pipe siphon feed system

FEEDING LINE WITH DANFOSS BFP21 R3



H (m)	Length pipe (m)		
	ø 6 mm	ø 8 mm	ø 10 mm
0,5	19	60	100
1	21	66	100
1,5	23	72	100
2	25	79	100
2,5	27	85	100
3	29	91	100
3,5	31	98	100

Two-pipe lift system



H (m)	Length pipe (m)		
	ø 6 mm	ø 8 mm	ø 10 mm
0,5	15	47	100
1	13	41	99
1,5	11	34	84
2	9	28	68
2,5	7	22	53
3	5	15	37
3,5	-	9	22

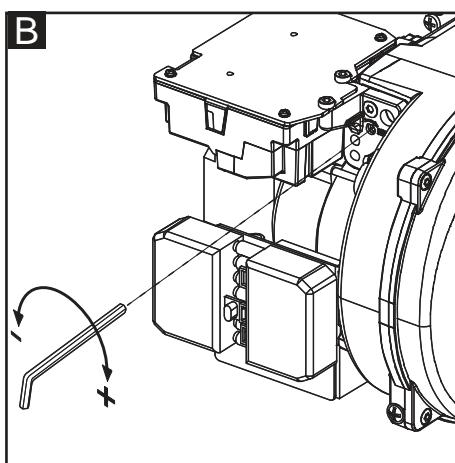
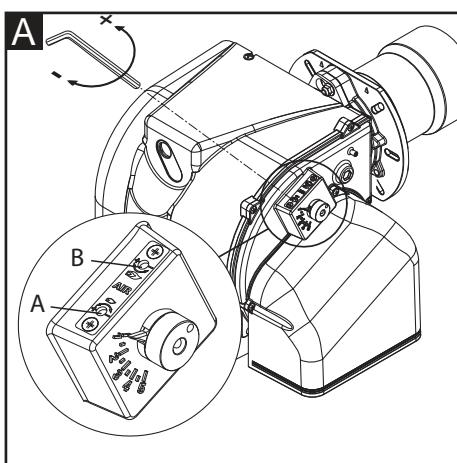
Start up - Setting data table - Air regulation

	NOZZLE	PUMP	OUTPUT	FIRING HEAD SETTING	AIR DAMPER SETTING
	gph spry	bar	kg/h	Pos.	Pos.
MAX 15	1,50 60°	12	6,2	0	1,5
	1,65 60°	12	7,0	1	2,0
	1,75 60°	12	7,6	2	2,5
	2,00 60°	12	8,3	2,5	3,0
	2,25 60°	12	9,3	3	3,2
	2,50 60°	12	10,4	3,5	3,5
	2,75 60°	12	11,5	4	4
	3,00 60°	12	12,5	4,5	4,5
	3,50 60°	12	14,9	5	4,5
	4,00 60°	11	16,0	5	5
	1,75 60°	12	7,6	0	1,5
	2,00 60°	12	8,3	1	1,7
	2,25 60°	12	9,3	2	2
MAX 20	2,50 60°	12	10,4	2,5	2,8
	2,75 60°	12	11,5	3	3
	3,00 60°	12	12,5	3,5	3,6
	3,50 60°	12	14,9	4,0	4,1
	4,00 60°	12	16,7	4,5	4,3
	4,50 60°	12	19,1	5	5
	2,25 60°	12	9,3	0	1,5
	2,50 60°	12	10,4	0,5	2
	3,00 60°	12	12,5	1,5	2,2
	3,50 60°	12	14,9	2,0	2,5
	4,00 60°	12	16,7	2,5	3
	4,50 60°	12	19,1	3	3,3
MAX 30	5,00 60°	12	21,8	3,5	3,8
	5,50 60°	12	23,6	4	4
	6,00 60°	12	25	4,5	4,5
	6,50 60°	11	27	5	5

The settings above are **basic settings**. These adjustment values are normally suitable for commissioning the burner. These values have been determined in our test labs and are useful for the first

switch-on as final setting must be done using a combustion analyzer. Favourable combustion values can be achieved using the following nozzles:

DANFOSS H:S 80°:60°
DELAVAN W 60°
STEINEN S 60°



Air damper setting (A).

- To act on the screw A in figure:
- to increase output, turn screwdriver counterclockwise.
 - to reduce output, turn screwdriver clockwise.

Note: screw B not used.

Firing head setting (B).

- To act on the screw in figure:
- turn Allen key till you reach the requested value (index 0-5).

Start up - Adjusting burner output - Oil pressure regulation



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.

Burner start

Before starting the burner, draw oil in until the filter is completely filled. Then start the burner by switching on the boiler regulator. Open the bleed screw on the oil filter to allow the oil line to bleed fully during the preventilation phase. The negative pressure must not fall below 0.4 bar. Close the bleed screw when the filter is completely filled with oil and oil is flowing out without bubbles.

Burner output adjustment

Use the pressure regulator to adjust the oil pressure in accordance with the burner output desired. Monitor the combustion values continuously as you do so (CO, CO₂, soot test). Adjust the airflow gradually if necessary.

Optimising combustion values

If the combustion values are not satisfactory modify the position of the combustion head. By doing this the burner ignition conditions and the combustion values change. Compensate for the change in airflow if necessary by adjusting the air flap position.

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

Oil pressure regulation

The oil pressure, and therefore burner output, is adjusted using oil pressure regulator 6 in the pump.

Turn to

- right: to increase pressure
- left: to reduce pressure

Connect a pressure gauge at point 4 (with R1/8" thread).

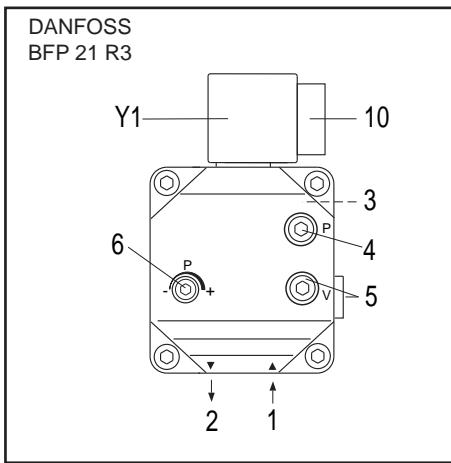
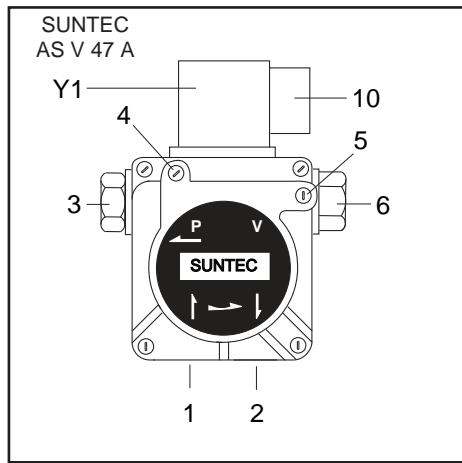
Checking negative pressure

The vacuum meter for checking negative pressure must be connected to point 5, R1/8". Maximum permissible negative pressure is 0.4 bar. At higher negative pressures, the fuel oil gasifies, which causes scraping noises in the pump and ultimately leads to pump damage.

Cleaning the pump filter

The filter is located under the pump cover(SUNTEC) or in appropriate cartridge(DANFOSS). To be able to clean the filter, it is necessary to loosen the screws and remove the cover first (SUNTEC) or to unscrew the screw (DANFOSS).

- Check the pump cover seal and replace the gasket if necessary.



- 1 suction intake connection.
- 2 return connection.
- 3 pressure connection.
- 4 oil pressure gauge connection.
- 5 negative pressure gauge connection.
- 6 oil pressure regulator.
- 10 Solenoid valve electrical connection.
- Y1 fuel-oil solenoid valve.

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.

- Starting attempt with flame monitor unlit: the automatic combustion control unit must switch to malfunction at the end of the safety time

- Start with flame monitor lit: the automatic combustion control unit must switch to malfunction after 10 seconds of preventilation
- Normal start-up: flame monitor goes out when burner in operation; the automatic combustion control unit must switch to malfunction after the restart and end of the safety time

Service - Maintenance

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

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 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.

for maintenance.

Position 1

Maintenance line air (cleaning/substitution fan)

Position 2

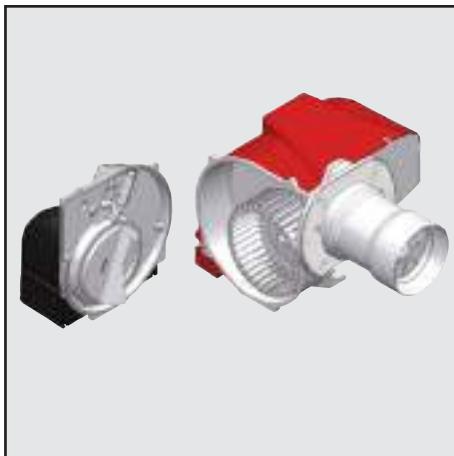
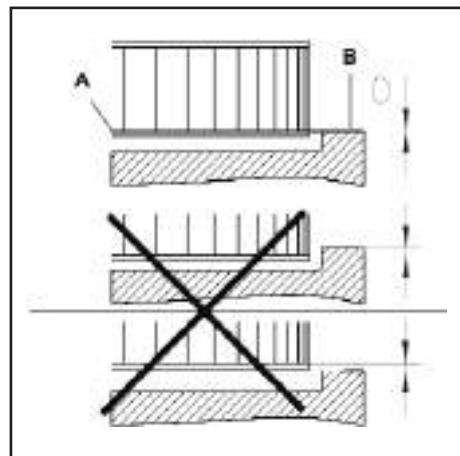
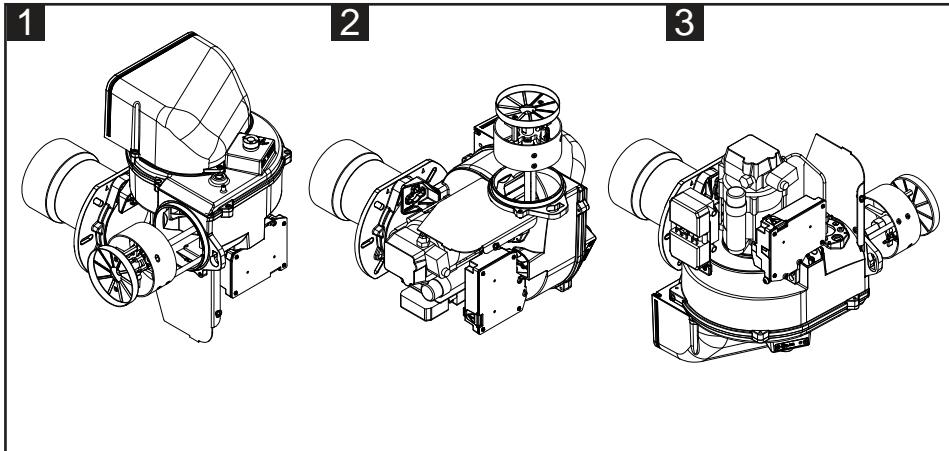
Burner head maintenance.

Position 3

Maintenance components (filter and light oil pump).

Burner maintenance positions

- After removing the screws 5 turn the burner and pull it out of the flange. It is possible to fix the burner in three positions

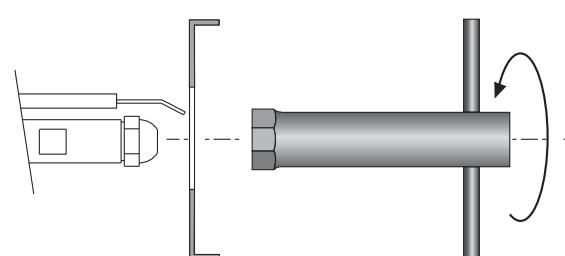


Fan assembly

Observe the positioning diagram below when replacing the motor and blower wheel. The inside flange A of the blower wheel must be fitted at the same level as the equipment plate B. Insert a straight edge between the wing of the blower wheel and set A and B to the same height, tighten the set screw on the blower wheel (maintenance position 1).

Nozzle and cleaning replacement

Use only the suitable box wrench provided for this operation to remove the nozzle, taking care to not damage the electrodes. Fit the new nozzle by the same care. Note: Always check the position of electrodes after having replaced the nozzle (see illustration). A wrong position could cause ignition troubles.



Maintenance on the burner

Maintenance position 1

- Clean fan and housing and check for damage.

Maintenance position 2

- Check and clean the combustion head.
- Replace oil nozzle.
- Check ignition electrodes, readjust or replace as necessary.
- Fit combustion head. Observe adjustment dimensions.
- Fit burner.
- Start burner, check flue gas data, correct burner settings if necessary.

Maintenance position 3

- Check oil supply components (tubes, pumps, oil feed tube) and their connections for leaks or signs of wear, replace if necessary.
- Check electrical connections and connection cables for damage, replace if necessary.
- Check pump filter and clean if necessary.

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 oil in the tank?
3. are all shut-off valves open?
4. are all control and safety devices, such as the boiler thermostat, low-water 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.

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.

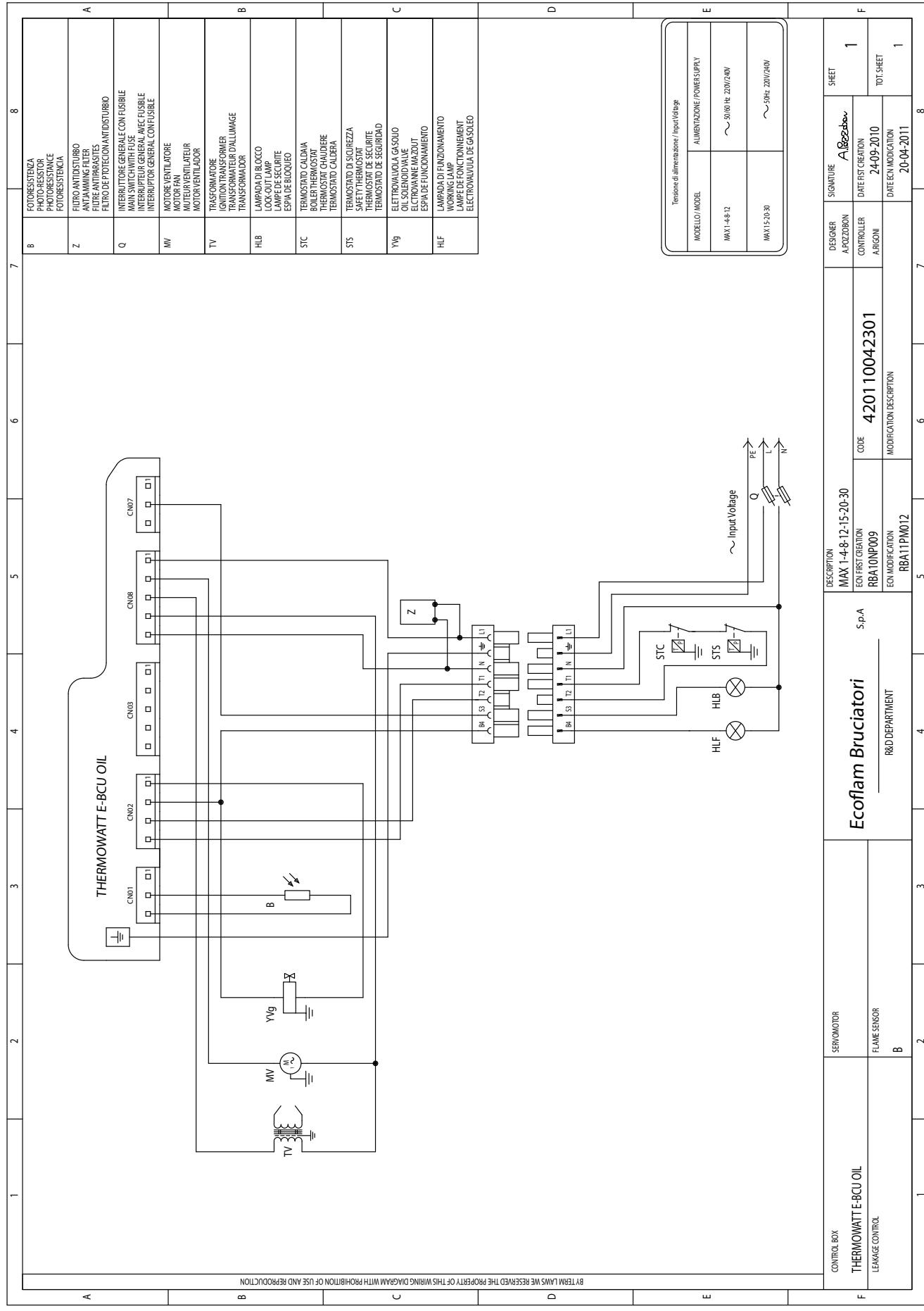
E-BCU display interface must be used to read the faults by service personell.



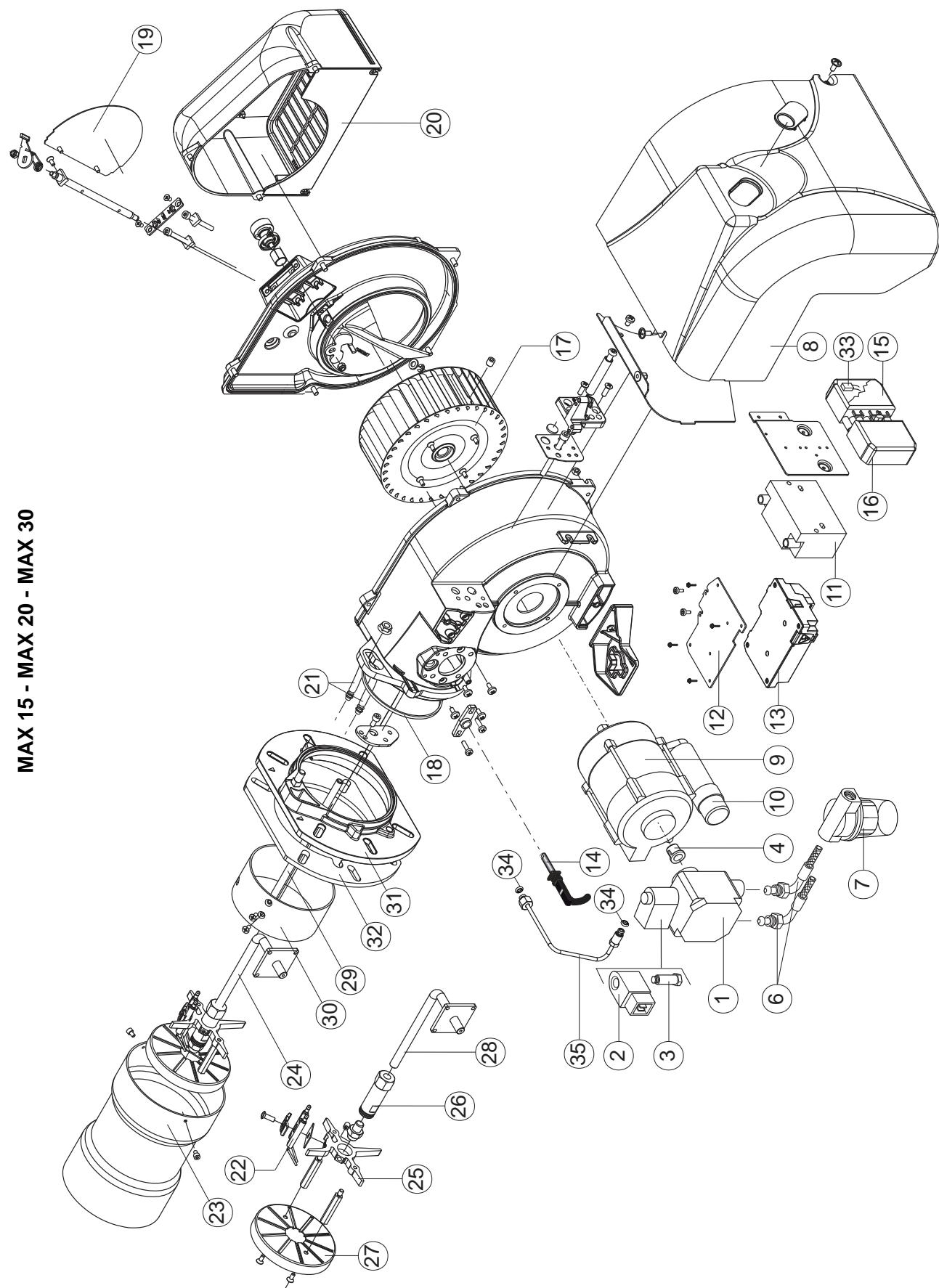
Fault	Symbol fault	Cause	Remedy
	No heat request	Thermostats defective or incorrectly adjusted	Adjust the thermostats, replace if necessary.
	Burner does not start after thermostat shutdown. No malfunction indicated on the automatic combustion control unit.	Drop in supply voltage or power failure. Control unit malfunction	Check the cause of the fall in voltage or the power failure. Replace the control unit.
	Burner starts at switch-on for very short period and then shuts down and the red LED lights up	The control unit has been intentionally locked	Reset control unit.
	Burner starts and then shuts down after preventilation	Flaring during pre-ventilation or pre-ignition	Check ignition sparks/adjust or replace electrode Check/replace fuel-oil solenoid valve
	Burner starts and then shuts down after the solenoid valves have opened	No flame signal at end of safety time	Check the oil level in the tank. Top tank up as required. Open the valves. Check the oil pressure and the operation of the pump, coupling, filter, solenoid valve. Check ignition circuit, electrode adjustment. Clean/replace electrodes.
	Flame extinguishing during operation	Flame goes out during operating phase	Clean/replace flame monitor. Replace the following items as required: Ignition electrodes/ignition cables/ignition transformer/nozzle/pump/solenoid valve/automatic combustion control unit.

Overview - Electric diagrams / Panoramica - Schemi elettrici / Vue d'ensemble - Schémas électriques / Descripción - Esquemas eléctricos / Descrição - Esquemas eléctricos /

Обзор - Электрические схемы



MAX 15 - MAX 20 - MAX 30



Overview - Spare parts list / Panoramica - Parti di ricambio / Descripción - Piezas de recambio / Descripció - Piezas de recambio /

Обзор - Запчасти

Nº	DESCRIPTION	DESCRIZIONE	DESIGNATION	DESCRIPCIÓN	ДЕСКРИПЦИЯ	НАМЕНОВАНИЕ	NAME	MAX 15	MAX 20	MAX 30
								code	code	code
1	OIL PUMP	POMPA	POMPE COMPLETE	POMPA	НАСОС	DANFOSS DFP21 R3	65322971	65322971	65322971	65322971
2	COIL	BOBINA	BOBINE ELECTROVANNE	BOBINA	КАТУШКА	SUNTEC ASV 47 A	65325111	65325111	65325111	65325111
3	OIL VALVE	VALVOLA	VANNIE	VALVULA	КЛАПАН	DANFOSS	65323773	65323773	65323773	65323773
4	COUPLING	GIUNTO	JOINT D'ACCOUPLEMENT	ACOPLAMIENTO	МУФТА	SUNTEC	65323767	65323767	65323767	65323767
5	NIPPLE	RACCORDO PER FLESSIBILE	MAMELLONS	TUERCA	ФУЛТИНГ ДЛЯ ГИБК. ШЛАНГА		-	65323744	65323744	65323744
6	HOSES	TUBO FLESSIBILE	FLEXIBLES	LATIGUILLOS	ГИБКИЙ ШЛАНГ	PARIGINN 4 MG	65323216	65323216	65323216	65323216
7	FILTER	FILTRO	FILTRE	FILTRO	ФИЛЬТР	ART.70451-006AV	65325046	65325046	65325046	65325046
8	COVER	COPERCHIO	COUVERCLE	TAPA	КРЫШКА		65325278	65325278	65325278	65325278
9	MOTOR	MOTORE	MOTOR	MOTOR	ДВИЖЕНИЕ		130 W	65322873	-	-
10	CAPACITOR	CONDENSATORE	CONDENSATEUR	CONDENSADOR	КОНДЕНСАТОР	KONDENSATOR	200 W	-	65322876	65322876
11	IGNITION TRANSFORMER	TRASFORMATORE	TRANSFORMATEUR	TRANSFORMADOR	МОНТАЖНАЯ ПЛАСТИНА	TRANSCONFORMATOR	3 1/2 AEG	65321857	-	-
12	SUPPORT	SOCLE DE COFFRET	SOCLE DE COFFRET	BASE DEL EQUIPO	МОНТАЖНАЯ ПЛАСТИНА		6,3 µF SMEL	65325000	65325000	65325000
13	CONTROL BOX	APPARECCHIATURA	COFFRET DE SECURITE	EQUIPO CONTROL LLAMA	КОНТРОЛЬНАЯ АППАРАТУРА	Thermowat E-BCU OIL		65321860	65321860	65321860
14	PHOTORESISTOR	FOTORESISTENZA	CELLULE	FOTORRESISTENCIA	ФОТОРЕЗИСТОР	SATRONIC		65320083	65320083	65320083
15	SOCKET WIELAND	PRESA WIELAND	BORNES	REGLETTA DE CONEXIÓN	КЛЕММНИК			65322070	65322070	65322070
16	PLUG WIELAND	SPINA WIELAND	COUVERCLE DE BORNES	CAJA DE PROTECCIÓN	КРЫШКА КЛЕММНИКА			65322069	65322069	65322069
17	FAN	VENTOLA	TURBINE	VENTILADOR	ВЕНТИЛЯТОР		160 x 52	65323819	-	-
18	ORING	GUARNIZIONE	ORING	ORING	УПЛОТНИТЕЛЬНАЯ ПРОКЛАДКА		160 x 62	-	65323820	65323820
19	AIR DAMPER	SERRANDA	VOLET D'AIR	REGISTRO AIRE	ВОЗДУШНАЯ ЗАСЛОНКА			65321061	65321061	65321061
20	COVER AIR INLET	CASSETTO	BOITE D'AIR	CIERRE EN ASPIRACIÓN	ВОЗДУХОЗАБОР			65321223	65321223	65321223
21	CABLES	CAVI ACCENSIONE	CABLE HT	CABLES	ПРОВОДА РОЗКИДА	TC		65325264	65325264	65325264
22	ELECTRODES	ELETRODI	ELECTRODE	ELECTRODOS	ЭЛЕКТРОДЫ	TL		65325277	65325277	65325277
23	BLAST TUBE	BOCCAGLIO	GUEULARD	TUBO LLAMA	СТАКАН	TC		65320924	65320924	65320924
24	FIRING HEAD	TESTA DI COMBUSTIONE	TETE DE COMBUSTIÓN	CABEZA DE COMBUSTIÓN	ОГНЕВАЯ ГОЛОВКА	TL		65320376	65320376	65320376
25	NOZZLE HOLDER SUPPORT	CROCIERA	SUPPORT PORTE GICLEUR	SOPORTE PORTAINJECTOR	КРЕСТОВИНА			65320126	65320126	65320126
26	NOZZLE HOLDER	PORTA UGELLO	PORTE GICLEUR	PORTAINJECTOR	ДЕРЖАТЕЛЬ ФОРСУНКИ			65320707	65320707	65320707
27	DIFFUSER	DEFLECTEUR	DEFLECTEUR	DIFUSOR	РАССЕКАТЕЛЬ			65320759	65320759	65320759
28	ROD	ASTA SUPPORTO TESTA	SUPPORT	SOPORTE CABEZA DE COMBUSTIÓN	КРЕПЕЖНАЯ ТРУБКА ГОЛОВКИ	TC		65320191	65320191	65320191
29	WAISTBAND ROD	ASTA SUPPORTO FASCIA	TIGE DE SUPPORT FOUR CHAPE	SOPORTE DEL CILINDRO DE AJUSTE DEL AIRE	КРЕПЕЖНАЯ ТРУБКА МАНЖЕТЫ	TL		65320192	65320192	65320192
30	WAISTBAND	GUARNIZIONE BRUCIATORE	JONTE DE BRULEUR	JUNTA	ПРОДАЖА ОРГЕЛКИ			65320195	65320195	65320195
31	FLANGE	FLANGIA	BRIDE	BRIDA	ФИЛЬТР ПОДАВЛЕНИЯ ПОМЕХ			65320196	65320196	65320196
32	GASKET	GUARNIZIONE BRUCIATORE	JONTE DE BRULEUR	JUNTA	ФИЛЬТР ПОДАВЛЕНИЯ ПОМЕХ			65320224	65320224	65320224
33	ANTIJAMMING FILTER	FILTRO ANTIDISTURBO	FILTRE ANTI PARASITES	FILTRO ANTITRASTORNO	ФИЛЬТР ПОДАВЛЕНИЯ ПОМЕХ			65321065	65321065	65321065
34	PIPE GASKET	GUARNIZIONE TUBO	JOINT DE tuyauterie	JUNTA DE TUBO	PIPE GASKET			65321504	65321504	65321504
35	PIPE	TUBO	TYUATERIE	TUBO	PIPE					

TC = Testa corta / Short Head / Tete courte / CABEZA CORTA / КОРОТКАЯ ОГНЕВАЯ ГОЛОВКА TL = Testa larga / Long Head / Tete longue / CABEZA LARGA / ДЛИННАЯ ОГНЕВАЯ ГОЛОВКА