Operation and Maintenance Manual

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EN

1. Introduction

The pneumatic burner cleaner is an accessory suitable for optimal **cleaning of the ATMOS A25 and A45 combustion chambers** when burning poorer quality wooden pellets which form cakes (ash clumps), i.e. wooden pellets with greater amounts of bark and dirt.

WARNING – This equipment does not deal with the burning of plant pellets, grains, other biological waste pressed into pellets or wooden pellets with greater content of the above mentioned substances.

The equipment ensures the automatic removal of clumps and ash from the burner combustion chamber at regular intervals, or always after the burner burns out. **The pneumatic burner cleaner is very fast, effective and reliable.**

INFO – Pneumatic cleaning is not a replacement for regular servicing or where necessary the cleaning of the burner and boiler which has to be undertaken at regular intervals once every 7 to 90 days according to pellet quality. The interval between checks and cleaning of the combustion chamber should be looked at taking account of the amount of foreign matter and dirt in the pellets, which can result in growth of apertures (holes) in the combustion chamber for intake of combustion air.

Combustion chamber cleaning is undertaken according to a preset program in the ATMOS A25 or ATMOS A45 burner electronics. Its frequency must always correspond to the quality of pellets burnt. **The poorer the pellet quality, the more frequent clumps must be removed from the combustion chamber.**

INFO - Clumps of ash prevent combustion air from reaching the pellets, meaning they cannot burn properly in the required time in the combustion chamber. This subsequently results in the overfilling of the combustion chamber and blockage of the pellet inlet pipe between the burner and conveyor.

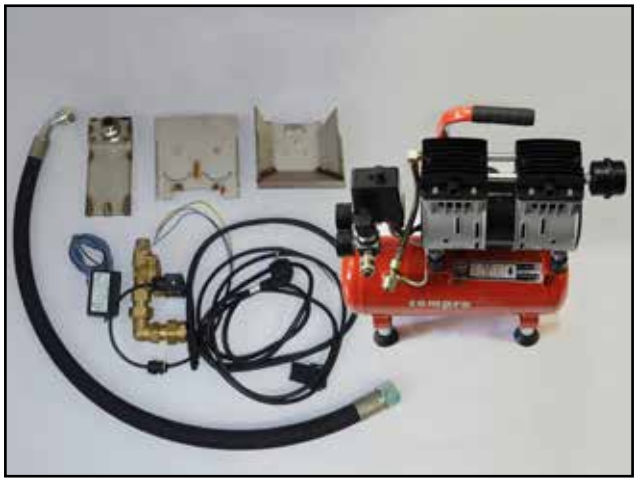
These ash clumps are not formed with high quality wooden **pellets made of soft bark-free wood or other mixes of so-called white pellets,** meaning pneumatic cleaning is unnecessary. However, if it is built into the burner it saves us time, facilitates work, ensures consistent combustion quality, and thus reliability.

The equipment works by day and night to ensure everything runs reliably. The customer may, however, wish to ensure cleaning does not take place at night where the boiler is located, e.g. near to a bedroom. In this case, a **special 8 A timer** can be used to control the compressor directly by time (Note – this cannot normally be bought in shops)

WARNING – You should, however, be aware that if the pellet quality is so poor as to require burner cleaning at intervals shorter than can be set by the timer, the burner will not work reliably and the pellet inlet pipe will block.

The equipment is supplied as am accessory in sets according to boiler type

Basic set package with compressor



Opened set with modified compressor

Basic set package without compressor

Opened set without compressor

INFO - The difference between the set for A25 burner and A45 burner is only that the ignition coil board (holder), combustion chamber and pneumatic cleaning channel have different dimensions. Other parts are the same. For the set designed for amended boilers, where the burner is built in to the upper doors and boilers DxxPX, PXxx, the hose is 1.5 m, where all other versions have hose lengths of 1 m.

Compressor accessories for compressor use as a source of compressed air.

This accessory use, if we want the compressor to run independently for example to blow out inside of the burner.

Contents:
- pressure hose 2 m
- cable with 3-pin connector (female)

Basic sets

1.1 CP25K set for A25 burner with compressor

code: H0520

for pellet boilers without exhaust fan

type: D14P, P14, P14/130, D21P, P21, D25P, P25, D15P, P15

Set contents:

- connecting air hose of length 1 m (diameter 28 mm) code: S0767
- complete screw fitting (3/4”) with solenoid control and connecting cable code: S1036
- new ignition coil board (holder) for A25 burner code: H0277
- new combustion chamber for A25 burner code: H0276
- pneumatic cleaning channel with nut and washer code: H0533
- AD02 module (to affix to boiler) to control the compressor via R2 reserve outlet code: P0432
- 1500 W compressor with 6 l air receiver volume amended for pneumatic cleaning code: H0305
- connecting cable with 3-pin connector (female) between the compressor, boiler and wall socket code: S0747

1.2 CP25 set for A25 burner without compressor

code: H0521

for pellet boilers without exhaust fan

type: D14P, P14, P14/130, D21P, P21, D25P, P25, D15P, P15

Set contents:

- connecting air hose of length 1 m (diameter 28 mm) code: S0767
- complete screw fitting (3/4”) with solenoid control and connecting cable code: S1036
- new ignition coil board (holder) for A25 burner code: H0277
- new combustion chamber for A25 burner code: H0276
- pneumatic cleaning channel with nut and washer code: H0533
- AD02 module (to affix to boiler) to control the compressor via R2 reserve outlet code: P0432
- connecting cable with 3-pin connector (female) between the compressor, boiler and wall socket code: S0747
- 3-pin connector (male) for powering and controlling other compressor (valve) code: S0647

1.3 CP25KS set for A25 boiler with compressor code: H0524

for pellet boilers and DCxxSP combined boilers with exhaust fan

type: D20P, P20, DC18SP, DC25SP, DC30SPX, DC32SP, C18SP, C25SP, KC25SP

Set contents:
Set contents:
- connecting air hose of length 1 m (diameter 28 mm) code: S0767
- complete screw fitting (3/4”) with solenoid control and connecting cable code: S1036
- new ignition coil board (holder) for A25 burner code: H0277
- new combustion chamber for A25 burner code: H0276
- pneumatic cleaning channel with nut and washer code: H0533
- AD03 module (to affix to boiler) for controlling boiler exhaust fan from AD04 module through VV burner electronics terminal (15) and compressor through R2 reserve outlet code: P0436
- AD04 module (to affix to burner) for controlling boiler exhaust fan through AD03 module and VV burner electronics terminal code: P0446
- 1500 W compressor with 6 l air receiver volume amended for pneumatic cleaning code: H0305
- connecting cable with 3-pin connector (female) between the compressor, boiler and wall socket code: S0747

1.4 CP25S set for A25 burner without compressor code: H0525

for pellet boilers and DCxxSP combined boilers with exhaust fan

typ: D20P, P20, DC18SP, DC25SP, DC30SPX, DC32SP, C18SP, C25SP, KC25SP

Set contents:
- connecting air hose of length 1 m (diameter 28 mm) code: S0767
- complete screw fitting (3/4”) with solenoid control and connecting cable code: S1036
- new ignition coil board (holder) for A25 burner code: H0277
- new combustion chamber for A25 burner code: H0276
- pneumatic cleaning channel with nut and washer code: H0533
- AD03 module (to affix to boiler) for controlling boiler exhaust fan from AD04 module through VV burner electronics terminal (15) and compressor through R2 reserve outlet code: P0436
- AD04 module (to affix to burner) for controlling boiler exhaust fan through AD03 module and VV burner electronics terminal code: P0446
- connecting cable with 3-pin connector (female) between the compressor, boiler and wall socket code: S0747
- 3-pin connector (male) for powering and controlling other compressor (valve) code: S0647

1.5 CP25KGSP set for A25 boiler with compressor code: H0544

for pellet boilers and DCxxGSP combined boilers with exhaust fan

type: DC25GSP, DC30GSP

Set contents:

Set contents:

- connecting air hose of length 1 m (diameter 28 mm) code: S0767
- complete screw fitting (3/4") with solenoid control and connecting cable code: S1036
- new ignition coil board (holder) for A25 burner code: H0277
- new combustion chamber for A25 burner code: H0276
- pneumatic cleaning channel with nut and washer code: H0533
- AD02 module (to affix to boiler) for controlling boiler exhaust fan from AD04 module through VV burner electronics terminal (15) and compressor through R2 reserve outlet code: P0432
- 1500 W compressor with 6 l air receiver volume amended for pneumatic cleaning code: H0305
- connecting cable with 3-pin connector (female) between the compressor, boiler and wall socket code: S0747

1.6 CP25GSP set for A25 burner without compressor code: H0545

for pellet boilers and DCxxGSP combined boilers with exhaust fan

typ: DC25GSP, DC30GSP

Set contents:

- connecting air hose of length 1 m (diameter 28 mm) code: S0767
- complete screw fitting (3/4") with solenoid control and connecting cable code: S1036
- new ignition coil board (holder) for A25 burner code: H0277
- new combustion chamber for A25 burner code: H0276
- pneumatic cleaning channel with nut and washer code: H0533
- AD02 module (to affix to boiler) for controlling boiler exhaust fan from AD04 module through VV burner electronics terminal (15) and compressor through R2 reserve outlet code: P0432
- connecting cable with 3-pin connector (female) between the compressor, boiler and wall socket code: S0747
- 3-pin connector (male) for powering and controlling other compressor (valve) code: S0647

1.7 CP45KS set for A45 burner with compressor code: H0522

for pellet boilers with exhaust fan

type: D31P, D30P, D40P, D50P, P31, P30, P40, P50

Set contents:

- connecting air hose of length 1 m (diameter 28 mm) code: S0767
- complete screw fitting (3/4") with solenoid control and connecting cable code: S1036
- new ignition coil board (holder) for A45 burner code: H0417
- new combustion chamber for A45 burner code: H0418
- pneumatic cleaning channel with nut and washer for A45 burner code: H0536
- AD03 module (to affix to boiler) for controlling boiler exhaust fan from AD04 module through VV burner electronics terminal (15) and compressor through R2 reserve outlet code: P0436
- AD04 module (to affix to burner) for controlling boiler exhaust fan through AD03 module and VV burner electronics terminal code: P0446
- 1500 W compressor with 6 l air receiver volume amended for pneumatic cleaning code: H0305
- connecting cable with 3-pin connector (female) between the compressor, boiler and wall socket code: S0747

1.8 CP45S set for A45 boiler without compressor code: H0523

for pellet boilers with exhaust fan

type: D31P, D30P, D40P, D50P, P31, P30, P40, P50

Set contents:

- connecting air hose of length 1 m (diameter 28 mm) code: S0767
- complete screw fitting (3/4") with solenoid control and connecting cable code: S1036
- new ignition coil board (holder) for A45 burner code: H0417
- new combustion chamber for A45 burner code: H0418
- pneumatic cleaning channel with nut and washer for A45 burner code: H0536
- AD03 module (to affix to boiler) for controlling boiler exhaust fan from AD04 module through VV burner electronics terminal (15) and compressor through R2 reserve outlet code: P0436
- AD04 module (to affix to burner) for controlling boiler exhaust fan through AD03 module and VV burner electronics terminal code: P0446
- connecting cable with 3-pin connector (female) between the compressor, boiler and wall socket code: S0747
- 3-pin connector (male) for powering and controlling other compressor (valve) code: S0647

1.9 UCP25KS set for A25 burner with compressor code: H0526

for gasification boilers for wood, coal and briquettes with built-in burner in upper doors

type: DCxxS(X), DCxxRS, CxxS(T), ACxxS, KCxxS

Set contents:

- connecting air hose of length 1,5 m (diameter 28 mm) code: S0768
- complete screw fitting (3/4") with solenoid control and connecting cable code: S1036
- new ignition coil board (holder) for A25 burner code: H0277
- new combustion chamber for A25 burner code: H0276
- pneumatic cleaning channel with nut and washer code: H0533
- AD03 module (to affix to boiler) for controlling boiler exhaust fan from AD04 module through VV burner electronics terminal (15) and compressor through R2 reserve outlet code: P0436
- AD04 module (to affix to burner) for controlling boiler exhaust fan through AD03 module and VV burner electronics terminal code: P0446
- 1500 W compressor with 6 l air receiver volume amended for pneumatic cleaning code: H0305
- connecting cable with 3-pin connector (female) between the compressor, boiler and wall socket code: S0747
- additional grille code: H0534
- special valve (mechanism for closing space under flap controlled by FR 124 barometric damper (2 + 1 pcs.) code: H0535

1.10 UCP25S set for A25 burner without compressor code: H0527

for gasification boilers for wood, coal and briquettes with built-in burner in upper doors

type: DCxxS(X), DCxxRS, CxxS(T), ACxxS, KCxxS

Set contents:

- connecting air hose of length 1,5 m (diameter 28 mm) code: S0768
- complete screw fitting (3/4") with solenoid control and connecting cable code: S1036
- new ignition coil board (holder) for A25 burner code: H0277
- new combustion chamber for A25 burner code: H0276
- pneumatic cleaning channel with nut and washer code: H0533
- AD03 module (to affix to boiler) for controlling boiler exhaust fan from AD04 module through VV burner electronics terminal(15) and compressor through R2 reserve outlet code: P0436
- AD04 module (to affix to burner) for controlling boiler exhaust fan through AD03 module and VV burner electronics terminal code: P0446
- connecting cable with 3-pin connector (female) between the compressor, boiler and wall socket code: S0747
- 3-pin connector (male) for powering and controlling other compressor (valve) code: S0647
- additional grille code: H0534
- special valve (mechanism for closing space under flap controlled by FR 124 barometric damper (2 + 1 pcs.) code: H0535

1.11 CPX25KS set for A25 boiler with compressor code: H0538

for pellet boilers with exhaust fan

type: D10PX, D15PX, D20PX, D25PX, PX10, PX15, PX20, PX25

Set contents:
Set contents:
- connecting air hose of length 1,5 m (diameter 28 mm) code: S0768
- complete screw fitting (3/4”) with solenoid control and connecting cable code: S1036
- new ignition coil board (holder) for A25 burner code: H0277
- new combustion chamber for A25 burner code: H0276
- pneumatic cleaning channel with nut and washer code: H0533
- 1500 W compressor with 6 l air receiver volume amended for pneumatic cleaning code: H0305
- connecting cable with 3-pin connector (female) between the compressor, boiler and wall socket code: S0747

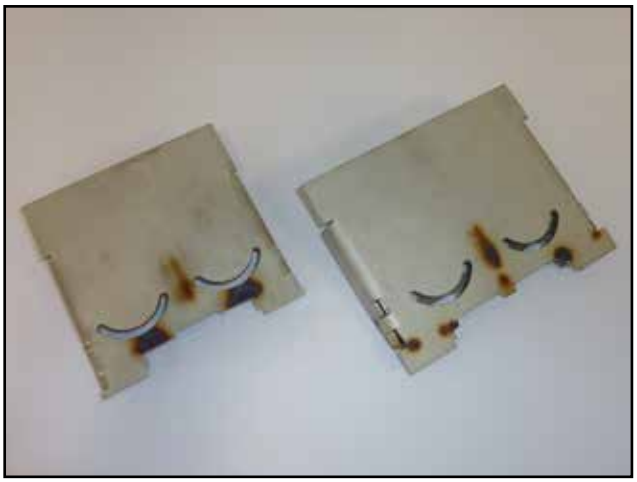
1.12 CPX25S set for A25 burner without compressor code: H0539

for pellet boilers with exhaust fan

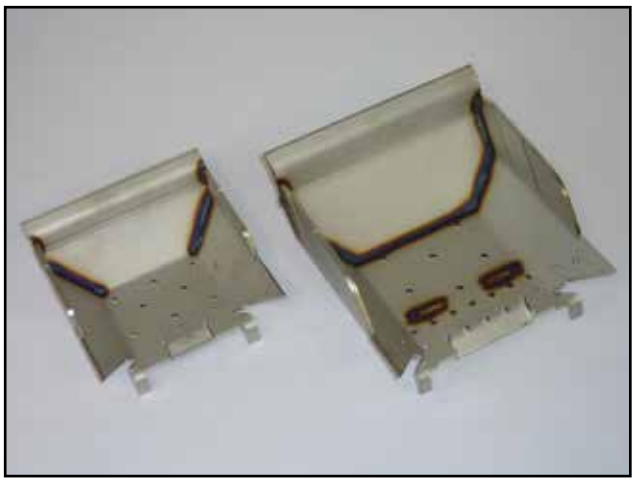
type: D10PX, D15PX, D20PX, D25PX, PX10, PX15, PX20, PX25

Set contents:
- connecting air hose of length 1,5 m (diameter 28 mm) code: S0768
- complete screw fitting (3/4”) with solenoid control and connecting cable code: S1036
- new ignition coil board (holder) for A25 burner code: H0277
- new combustion chamber for A25 burner code: H0276
- pneumatic cleaning channel with nut and washer code: H0533
- connecting cable with 3-pin connector (female) between the compressor, boiler and wall socket code: S0747
- 3-pin connector (male) for powering and controlling other compressor (valve) code: S0647

Complete screw fitting (3/4“) with solenoid control and connecting cable



New ignition coil board (holder) for A25 and A45 burners



New combustion chamber for A25 and A45 burner

Pneumatic cleaning channel with nut and washer for A25 and A45 burners

AD02, AD03 and AD04 modules (except DxxPX, PXxx)
Connecting cable with 3-pin connector (female) and separate 3-pin connector (male)

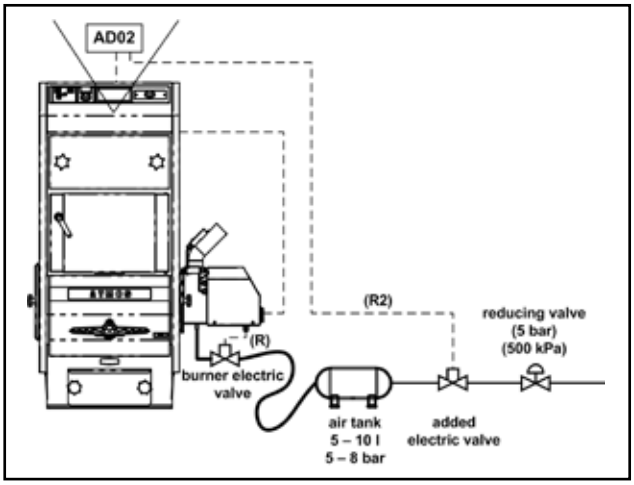
Amended compressor for pneumatic cleaning

INFO - The basic set without compressor should be chosen only if you have a compressor of receiver volume from 5 to 10 l which can reach a pressure of 5 - 8 bar (500 - 800 kPa). The compressor or receiver must be right next to the boiler and the basic pipe diameters with which the air is pumped into the chamber must be kept.

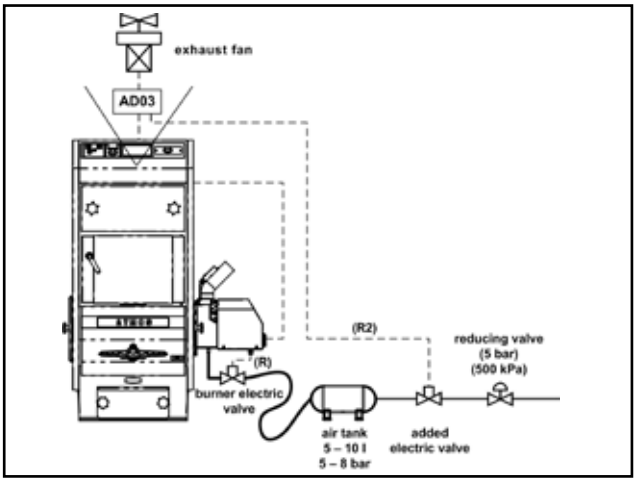
WARNING - If air is pumped in from a greater distance, we must add a small receiver of 5 to 10 l volume near the boiler which will allow its hassle-free filling with compressed air of 5 to 8 bar (500 - 800 kPa). Larger receivers cannot be used. This second solenoid fitted to the compressed air pipe is deliberatily located on the compressed air inlet into the additional receiver so that when cleaning the burner with compressed air there is not additional flow (release) of compressed air into the additional receiver. We install a reduction valve in front of the additional solenoid for setting the optimum pressure for the pneumatic burner cleaner (5 bar/500 kPa). The second valve must be controlled in the same way as the separate compressor, through output R2 through the AD03 or AD02 module.

WARNING - Cleaning the burner using compressed air flowing directly from a central compressed air supply or from a receiver of greater than 10 l volume is strictly forbidden.

Connection diagram with additional receiver and second solenoid



For boilers D14P, P14, P14/130, D21P, P21, D25P, P25, D15P, P15
D10PX, PX10 (without AD02)



For boilers D20P, D30P, D40P, D50P, D31P, P20, P30, P40, P50, P31, DCxxSP(X), CxxSP, KCxxSP, DCxxGSP, boilers with modification for burner - DCxxS(X), DCxxRS, CxxS(T), ACxxS, KCxxS
D15PX, D20PX, D25PX, PX15, PX20, PX25 (without AD03)

2. Technical data

Name: Pneumatic burner cleaner - accessory

Prescribed burner: ATMOS A25 and A45 AC07X models or higher

Power supply: 230 V / 50 Hz

Maximum power when using supplied compressor: 1500 W

Maximum power when using other equipment: according to equipment type

Control of functions: electronic regulation of burner AC07X, controlling both burner pneumatic cleaning and burner operations. Function using both reserve outlets R and R2, which thus cannot be used for other purposes.

Profiles: A25, A25 pneu, A25 GSP, A25 GSP pneu, A25PX, A25PX pneu, A45, A45 pneu

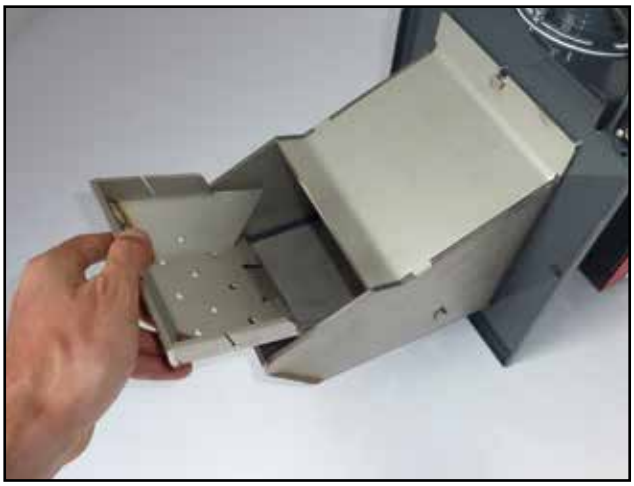
Other necessary information is included in the burner manual and manual for your specific boiler.

Pneumatic cleaner operating pressure: 2 - 8 bar (200 - 800 kPa)

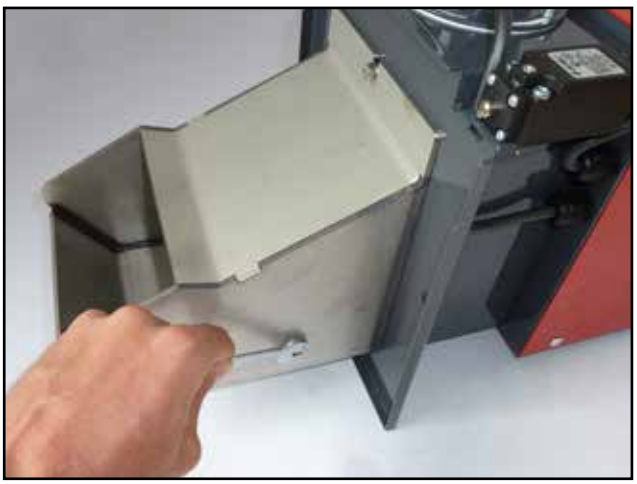
3. Assembly instructions

WARNING – pneumatic cleaner assembly may only be undertaken by a qualified person trained by the manufacturer in accordance with rules and regulations in force. Before running, you must familiarise yourself completely with the operation manual. You must also observe all general safety regulations for working with heating equipment and pressure vessels which are given by laws in force.

Assembly of the pneumatic cleaner in pictures

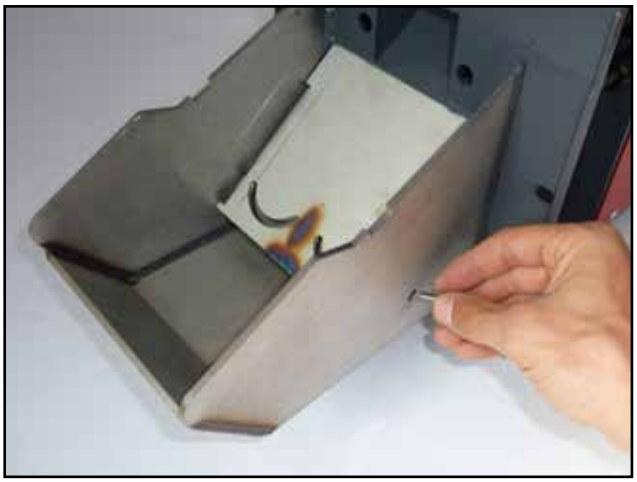


First place the burner on a table or hard surface and remove the old combustion chamber

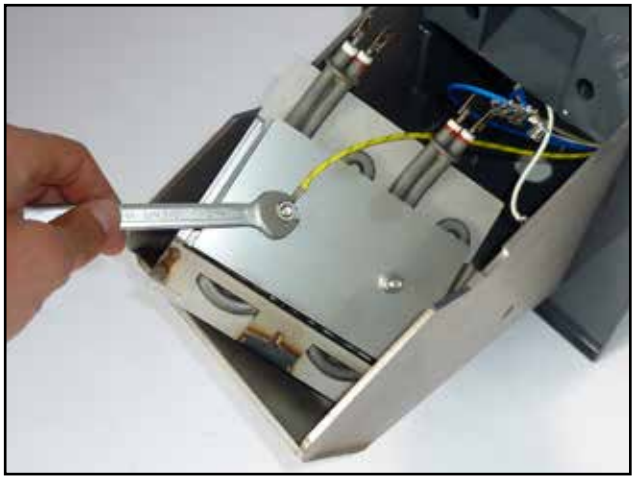


Loosen the M6 screws which hold the ignition coil board

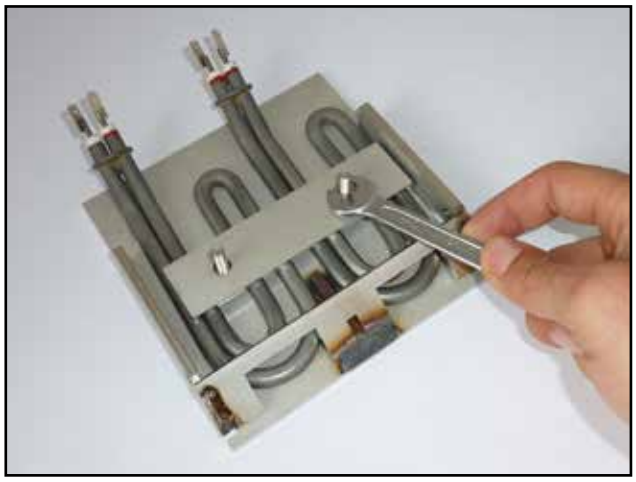
Loosen and screw out the M6 screw which holds the burner nozzle cover and remove the cover



Screw out the M6 screws which hold the ignition coil board

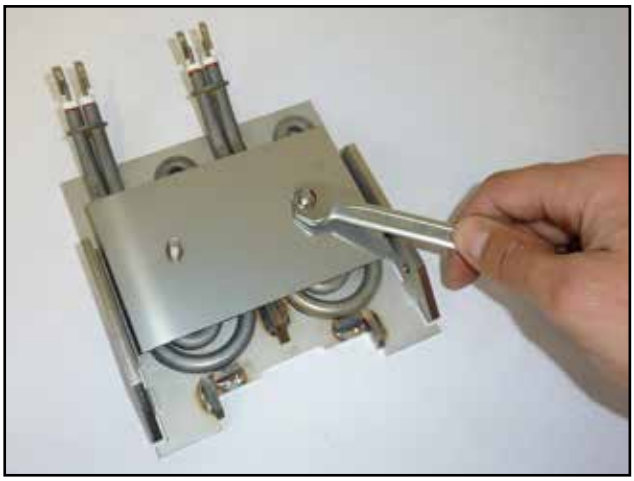


Disconnect the ignition coil connectors and frame, remove the board



Disassemble the ignition coils

INFO – the old combustion chamber and ignition coil board will no longer be used.



Take the new ignition coil board and put it together again in the same way (screw together)

Disassemble seal cover located on the lower section of the burner

WARNING – when assembling, ensure the **ignition coils evenly cover the holes where the pellets and ignition bodies come into contact.** Tighten firmly.

WARNING – for old burners which do not have a preprepared opening for pneumatic burner cleaning, holes for screws must be drilled according to product.
The product is supplied in an general model (one product) for small or large burners separately or with graduated drill.

Set for drilling aperture into body of older burner code: S0623

The set is made up of a graduated drill for **drilling a Ø 27 ±1 mm** hole and product for predrilling a basic aperture in the burner body.

Separate general product for predrilling aperture in burner body code: S0610

Screw the original screws back into the holes so air cannot flow through them or false air be sucked through them

Set the pneumatic cleaning channel in the burner and gently secure using washer and low nut

Insert the new board for holding the ignition coils into the burner while securely affixing the frame (green-yellow wire) under one of the nuts

Mount connectors to every ignition coil (white and blue always together on one ignition body)

Insert ignition coil board in its place and centre the pneumatic cleaning channel in its designeated place

Carefully tighten the nuts with washers to the burner body

Insert new combustion chamber and check everything once again, tightening where needed

Take complete screw fitting with solenoid control and connecting cable and screw it to the burner

INFO – the burner combustion chamber must fit freely into the burner, and the pneumatic cleaning channel must be centred so that there is equal give along its sides.

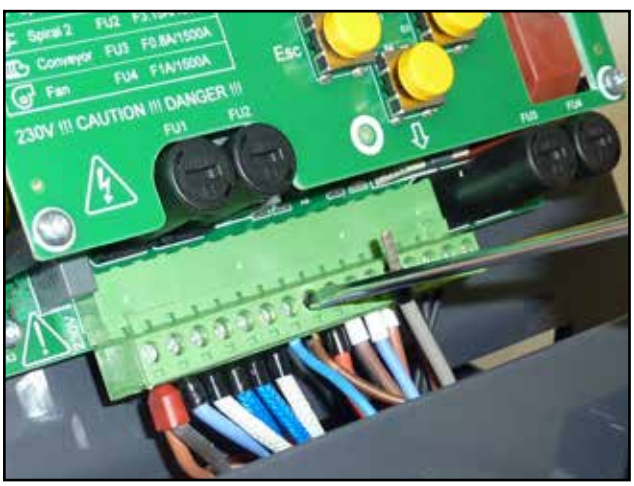
4. Wiring instructions

WARNING - Wiring may only be undertaken by a **qualified person in accordance with all rules and regulations of your country** with careful attention paid to ensuring the safe earthing of the boiler and burner.

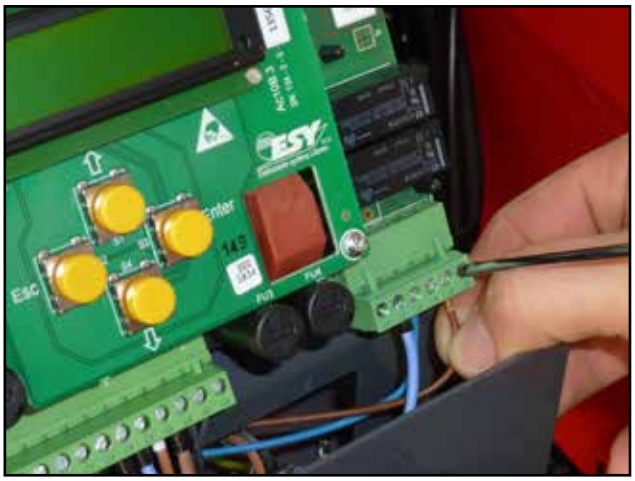
Connecting the solenoid valve control directly to the burner terminal (reserve R) or module AC07X-C

INFO - if the boiler is without an exhaust fan or boiler DCxxGSP, carefully insulate the unconnected grey wire; for boilers with exhaust fans, the grey wire will be used (not apply to DxxPX, PXxx).

Pull the solenoid valve (electrovalve) connecting cable using the grommet through the brake downt hole in the lower part of the burner body



From the burner terminal plate, disconnect the grey wire from terminal R (9), connect the brown wire from the solenoid valve to terminal R (9) and the blue wire to terminal N (8) (not apply to Dxx-PX, PXxx)



For models DxxPX and PXxx ***connect solenoid valve (electrovalve) into the AC07X-C module. Blue wire N to terminal (4) and brown wire L to terminal R6 (6)***

Connect the green and yellow wire with eyelet to the common frame on the burner body

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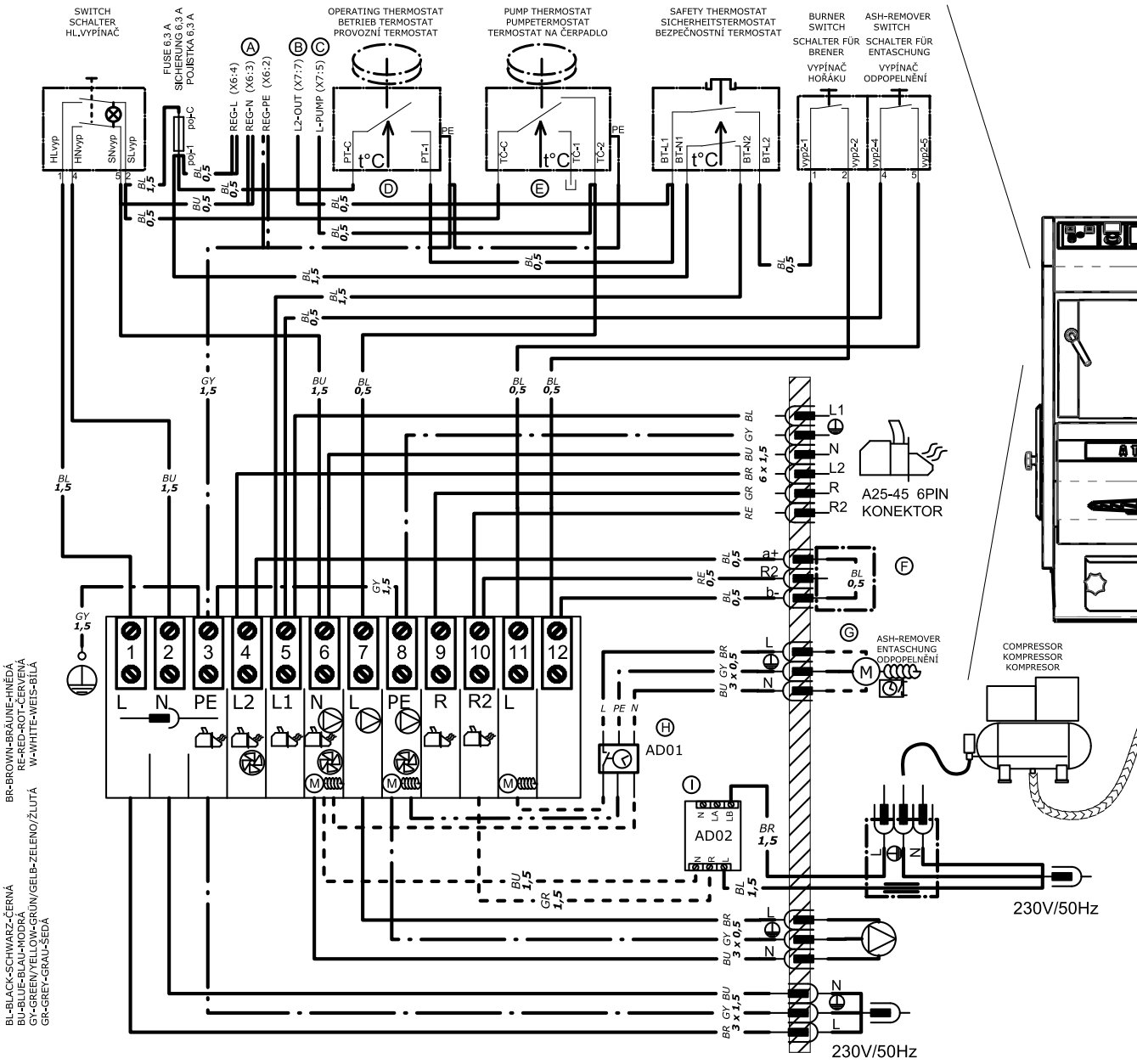
Wiring system for boiler running on pellets only without exhaust fan D14P, P14, P14/130, D21P, P21, D25P, P25, D15P, P15



WHEN USE ELECTRONIC REGULATION ACD01 AND PELLETBURNER A25-45 MUST BE THESE CHANGES OF WIRING:
BEI DER STEUERUNG DES KESSELBETRIEBES DER ELEKTRONISCHE REGELUNG ACD01 UND PELLETBRENNER A25-45 MÜSSEN DIESE ÄNDERUNGEN MACHEN SEIN:
PŘI ZAPOJENÍ ELEKTRONICKÉ REGULACE ACD01 A PELETOVÉHO HOŘÁKU A25-45 PROVEĎTE TYTO ZMĚNY:

15-01-01_D14-25P_A25-45

Ⓐ VARIANTS OF RESERVOIR POINTS "REG L,N,PE" (FERRULE/FASTON 6,3) FOR ELECTRONIC REGULATION
SPEISEKLEMMEVARIANTEN "REG L,N,PE" (ADERENDHÜLSE/FASTON 6,3) FÜR ELEKTRONISCHE REGELUNG
VARIANTY NAPÁJECÍCH SVOREK "REG L,N,PE" (DUTINKA/FASTON 6,3) PRO ELEKTRONICKOU REGULACI

Ⓑ RESERVOIR POINT "L2 OUT" OF BURNER AND FAN TO THE ELECTRONIC REGULATION (ACD01)
SPEISEKLEMME "L2 OUT" DER BRENNER UND VENTILATOR FÜR DIE ELEKTRONISCHE REGELUNG (ACD01)
PŘIPOJOVACÍ SVORKA "L2 OUT" HOŘÁKU A VENTILÁTORU DO ELEKTRONICKÉ REGULACE (ACD01)

Ⓒ RESERVOIR POINT "L PUMP" OF BOILER PUMP TO THE ELECTRONIC REGULATION (ACD01)
SPEISEKLEMME "L PUMP" DER KESSELPUMPE FÜR DIE ELEKTRONISCHE REGELUNG (ACD01)
PŘIPOJOVACÍ SVORKA "L PUMP" KOTLOVÉHO ČERPADLA DO ELEKTRONICKÉ REGULACE (ADC01)

Ⓓ WHEN ELECTRONIC REGULATION CONTROL BURNER - CONNECTOR "PT-C" MUST BE UNCONNECT
DEN KONNEKTOR "PT-C" ABKLEMMEN BEI DER BRENNERBEDIENUNG DER ELEKTRONISCHE REGELUNG
KONEKTOR "PT-C" ODPOJIT PŘI OVLÁDÁNÍ HOŘÁKU ELEKTRONICKOU REGULACÍ

Ⓔ WHEN ELECTRONIC REGULATION CONTROL BOILER PUMP - CONNECTOR "TČ-2" MUST BE UNCONNECT
DEN KONNEKTOR "TČ-2" ABKLEMMEN BEI DER KESSELPUMPESEBEDIENUNG DER ELEKTRONISCHE REGELUNG
KONEKTOR "TČ-2" ODPOJIT PŘI OVLÁDÁNÍ KOTLOVÉHO ČERPADLA ELEKTRONICKOU REGULACÍ

Ⓕ ACCES POINT FOR EXTERNAL BOILERREGULATION - PLUG IN CONNEKTOR
ANLAGERUNG FÜR EXTERN KESSELREGELUNG - KLEMME IN DEN KONEKTOR
PŘIPOJOVACÍ SVORKY PRO EXTERNÍ REGULACI KOTLE - KLEMA V KONEKTORU

Ⓖ CONNECTOR (BLACK/RED) - FOR EXAMPLE RESERVOIS POINT FOR MODUL AD01 - MOTOR OF ASH-REMOVER
KONNEKTOR (SCHWARZ/ROT) - ZUM BEISPIEL FÜR DEN MODUL AD01 - ENTASCHUNGMOTOR
KONEKTOR (ČERNO ČERVENÝ) - NAPŘÍKLAD PRO MODUL AD01 - MOTOR ODPOPELNĚNÍ

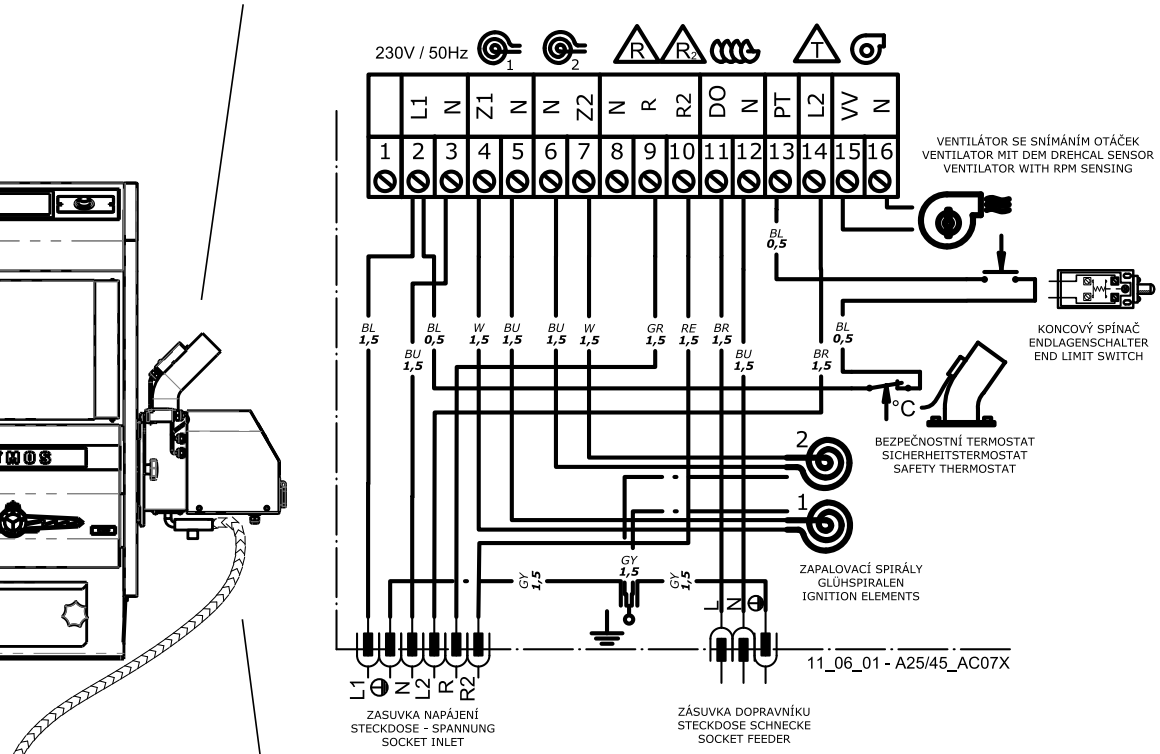
Ⓗ ACCES POINTS - FOR EXAMPLE FOR MODUL AD01 - TIMEUNIT OF ASH-REMOVER
SPEISEKLEMME - ZUM BEISPEILE FÜR MODUL AD01 - ZEITBEDIENUNG FÜR DEN ENTASCHUNG
PŘIPOJENÍ - NAPŘÍKLAD PRO MODUL AD01 - ČASOVÝ MODUL ODPOPELNĚNÍ

Ⓘ MODUL AD02 FOR CONTROL COMPRESSOR FROM BURNER A25/45
MODUL AD02 FÜR BREMSKOMPRESSORBEDIENUNG BEI DEM BRENNER A25/45
MODUL AD02 K OVLÁDÁNÍ KOMPRESORU HOŘÁKEM A25/45

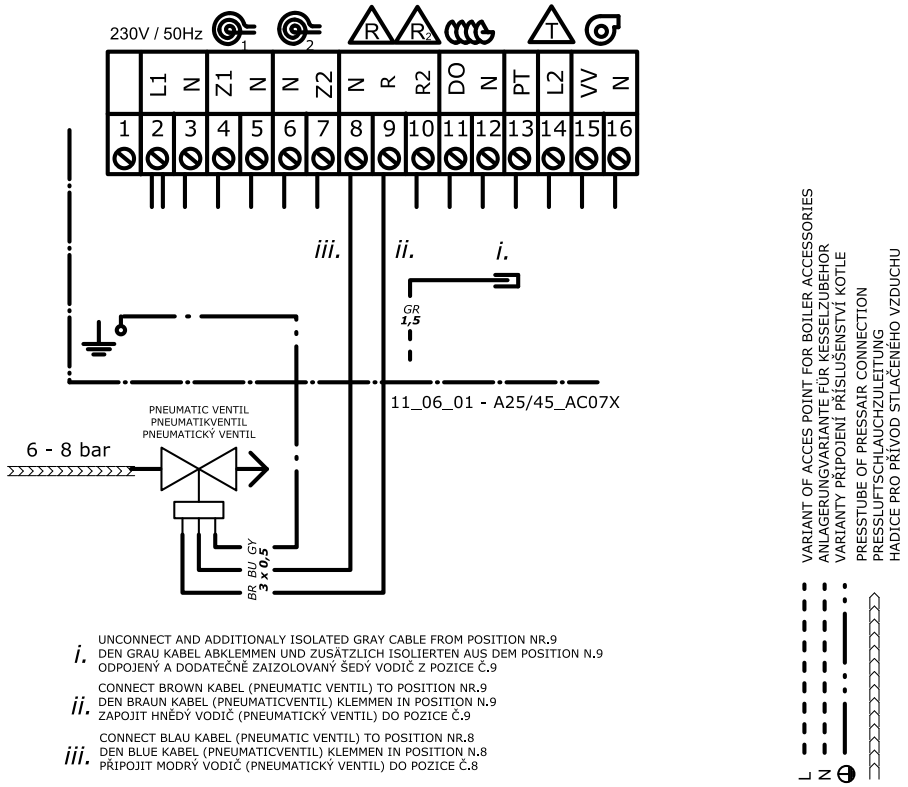
FOR BOILER:
FÜR KESSEL:
PRO KOTLE:

- D14P
- D15P
- D21P
- D25P
- P14,P15
- P14/130
- P21
- P25

ELECTRIC DIAGRAM OF BRENNER A25-45 BEFORE IN-BUILDING PNEUMATIC CLEARING
BRENNER A25-45 LEITUNGSSCHEMA VOR PENUMATICREINIGUNGMONTAGE
ELEKTRICKÉ SCHÉMA HOŘÁKU A25-45 PŘED VESTAVBOU PNEUMATICKÉHO ČIŠTĚNÍ



ELECTRIC DIAGRAM OF BRENNER A25-45 AFTER IN-BUILDING PNEUMATIC CLEARING
BRENNER A25-45 LEITUNGSSCHEMA DANN PNEUMATICREINIGUNGMONTAGE
ELEKTRICKÉ SCHÉMA HOŘÁKU A25-45 PO VESTAVBĚ PNEUMATICKÉHO ČIŠTĚNÍ



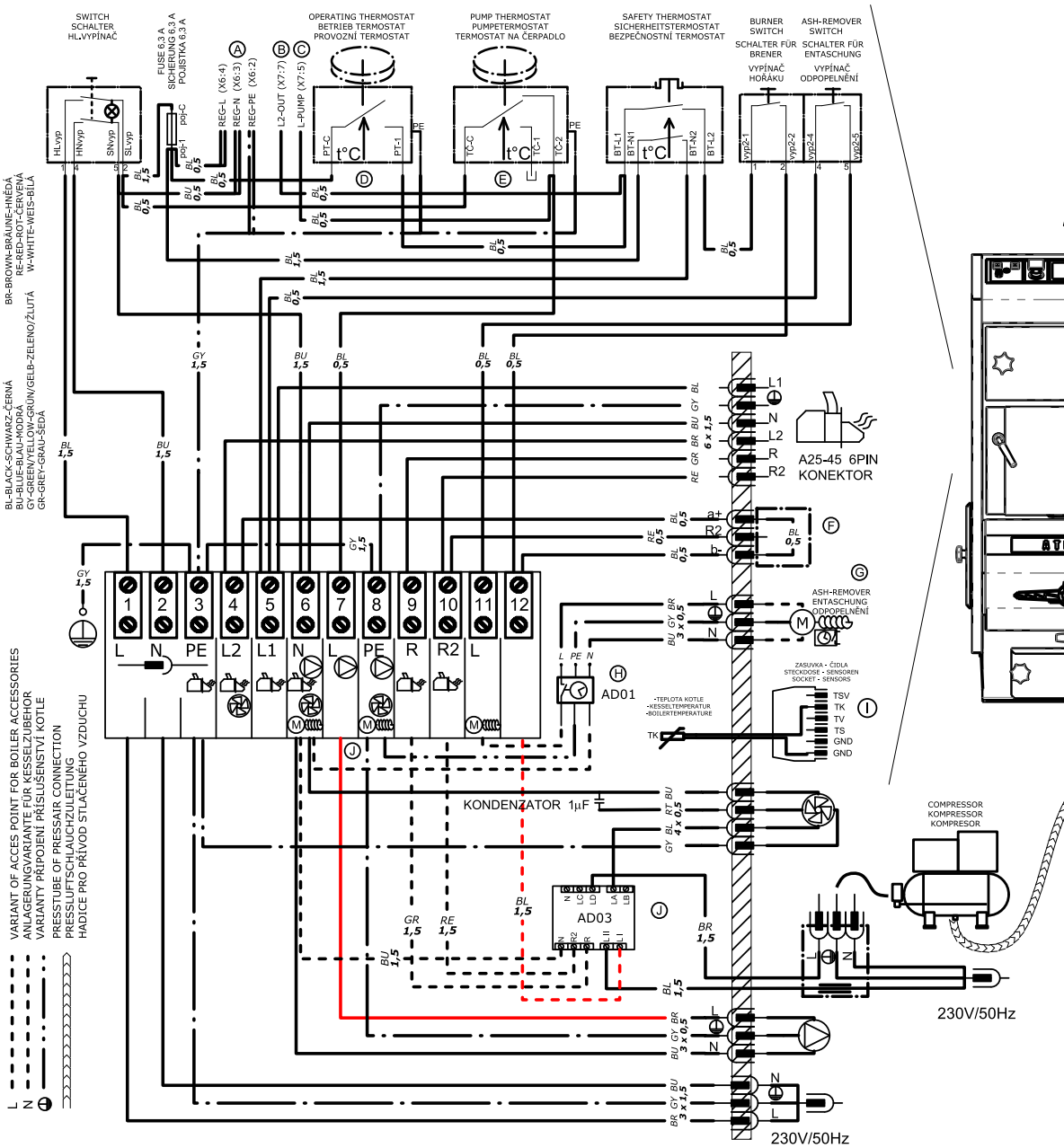
i. UNCONNECT AND ADDITIONALY ISOLATED GRAY CABLE FROM POSITION NR.9
DEN GRAU KABEL ABKLEMMEN UND ZUSÄTZLICH ISOLIERTEN AUS DEM POSITION N.9
ODPOJENÝ A DODATEČNĚ ZAIZOLOVANÝ ŠEDÝ VODIČ Z POZICE Č.9

ii. CONNECT BROWN KABEL (PNEUMATIC VENTIL) TO POSITION NR.9
DEN BRAUN KABEL (PNEUMATICVENTIL) KLEMMEN IN POSITION N.9
ZAPOJIT HNĚDÝ VODIČ (PNEUMATICKÝ VENTIL) DO POZICE Č.9

iii. CONNECT BLAU KABEL (PNEUMATIC VENTIL) TO POSITION NR.8
DEN BLUE KABEL (PNEUMATICVENTIL) KLEMMEN IN POSITION N.8
PŘIPOJIT MODRÝ VODIČ (PNEUMATICKÝ VENTIL) DO POZICE Č.8

EN

Wiring diagram for only pellet boilers with exhaust fan D20P, D31P, D30P, D40P, D50P, P20, P31, P30, P40, P50



WHEN USE ELECTRONIC REGULATION ACD01 AND PELLETBURNER A25-45 MUST BE THESE CHANGES OF WIRING:
BEI DER STEUERUNG DES KESSELBETRIEBES DER ELEKTRONISCHE REGELUNG ACD01 UND PELLETBRENNER A25-45 MÜSSEN DIESE ÄNDERUNGEN MACHEN SEIN:
PŘI ZAPOJENÍ ELEKTRONICKÉ REGULACE ACD01 A PELETOVÉHO HOŘÁKU A25-45 PROVEĎTE TYTO ZMĚNY:

19-10-01_D20-50P_A25-45_6P_AD03

(A) VARIANTS OF RESERVOIR POINTS "REG L,N,PE" (FERRULE/FASTON 6,3) FOR ELECTRONIC REGULATION
SPEISEKLEMMEVARIANTEN "REG L,N,PE" (ADERENDHÜLSE/FASTON 6,3) FÜR ELEKTRONISCHE REGELUNG
VARIANTY NAPÁJECÍCH SVOREK "REG L,N,PE" (DUTINKA/FASTON 6,3) PRO ELEKTRONICKOU REGULACI

(B) RESERVOIR POINT "L2 OUT" OF BURNER AND FAN TO THE ELECTRONIC REGULATION (ACD01)
SPEISEKLEMME "L2 OUT" DER BRENNER UND VENTILATOR FÜR DIE ELEKTRONISCHE REGELUNG (ACD01)
PŘIPOJOVACÍ SVORKA "L2 OUT" HOŘÁKU A VENTILÁTORU DO ELEKTRONICKÉ REGULACE (ACD01)

(C) RESERVOIR POINT "L PUMP" OF BOILER PUMP TO THE ELECTRONIC REGULATION (ACD01)
SPEISEKLEMME "L PUMP" DER KESSELPUMPE FÜR DIE ELEKTRONISCHE REGELUNG (ACD01)
PŘIPOJOVACÍ SVORKA "L PUMP" KOTLOVÉHO ČERPADLA DO ELEKTRONICKÉ REGULACE (ACD01)

(D) WHEN ELECTRONIC REGULATION CONTROL BURNER - CONNECTOR "PT-C" MUST BE UNCONNECT
DEN KONNEKTOR "PT-C" ABKLEMMEN BEI DER BRENNERBEDIENUNG DER ELEKTRONISCHE REGELUNG
KONEKTOR "PT-C" ODPOJIT PŘI OVLÁDÁNÍ HOŘÁKU ELEKTRONICKOU REGULACÍ

(E) WHEN ELECTRONIC REGULATION CONTROL BOILER PUMP - CONNECTOR "TČ-2" MUST BE UNCONNECT
DEN KONNEKTOR "TČ-2" ABKLEMMEN BEI DER KESSELPUMPESEBEDIENUNG DER ELEKTRONISCHE REGELUNG
KONEKTOR "TČ-2" ODPOJIT PŘI OVLÁDÁNÍ KOTLOVÉHO ČERPADLA ELEKTRONICKOU REGULACÍ

(F) ACCES POINT FOR EXTERNAL BOILERREGULATION - PLUG IN CONNEKTOR
ANLAGERUNG FÜR EXTERN KESSELREGELUNG - KLEMME IN DEN KONEKTOR
PŘIPOJOVACÍ SVORKY PRO EXTERNÍ REGULACI KOTLE - KLEMA V KONEKTORU

(G) CONNECTOR (BLACK/RED) - FOR EXAMPLE RESERVOIS POINT FOR MODUL AD01 - MOTOR OF ASH-REMOVER
KONNEKTOR (SCHWARZ/ROT) - ZUM BEISPIEL FÜR DEN MODUL AD01 - ENTASCHUNGMOTOR
KONEKTOR (ČERNO ČERVENÝ) - NAPŘÍKLAD PRO MODUL AD01 - MOTOR ODPOPELNĚNÍ

(H) ACCES POINTS - FOR EXAMPLE FOR MODUL AD01 - TIMEUNIT OF ASH-REMOVER
SPEISEKLEMME - ZUM BEISPEILE FÜR MODUL AD01 - ZEITBEDIENUNG FÜR DEN ENTASCHUNG
PŘIPOJENÍ - NAPŘÍKLAD PRO MODUL AD01 - ČASOVÝ MODUL ODPOPELNĚNÍ

(I) SENSOR "TK" FOR BURNER A25
KESSEL WASSER FÜHLER "TK" FÜR BRENNER A25
ČIDLO "TK" PRO HOŘÁK A25

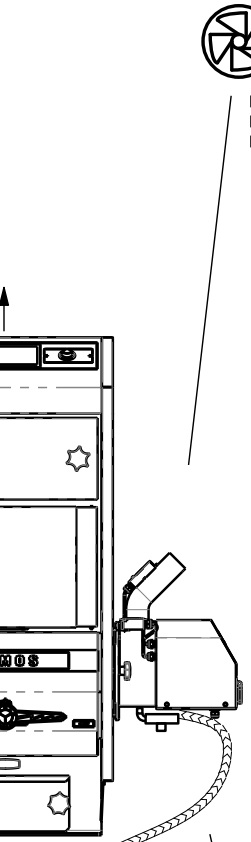
(J) MODUL AD03 FOR CONTROL COMPRESSOR FAN FROM BURNER A25/45 - PUMP RECONNECT FROM MODUL AD03 TO pos.7
MODUL AD03 FÜR BREMSKOMPRESSORBEDIENUNG UND KESSELVENTILATOR BEDIENUNG BEI DEM BRENNER A25/45 - ANSCHLUSS KESSELPUMPE VON MODUL AD03 AN KLEMMENLEISTE Pos.7
MODUL AD03 K OVLÁDÁNÍ KOMPRESORU A VENTILÁTORU KOTLE HOŘÁKEM A25/45 - ČERPADLO PŘEPOJENO Z MODULU AD03 DO SVORKOVNICE poz.7

IF IS PNEUMATIC CLEANER INSTALED TO THE BURNER A25/45 THAN MUST BE FAN WIRING CONNECT TO POINT nr.12
WENN DIE INSTALLIERTE LUFTREINIGUNG FÜR BRENNER A25/45 SO ELEKTRISCHE PHASE FAN AN KLEMME nr. 12
POKUD JE INSTALOVÁNO PNEUMATICKÉ ČIŠTĚNÍ HOŘÁKU A25/45, MUSÍ BÝT FÁZE VENTILÁTORU ZAPOJENA NA SVORKU č.12

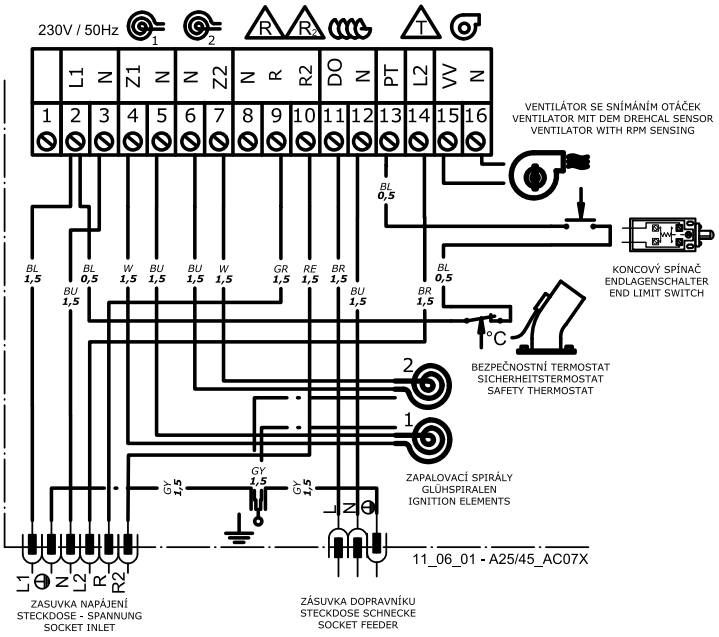
FOR BOILER:
FÜR KESSEL:
PRO KOTLE:

- D20P, P20
- D30P, P30
- D31P, P31
- D40P, P40
- D50P, P50

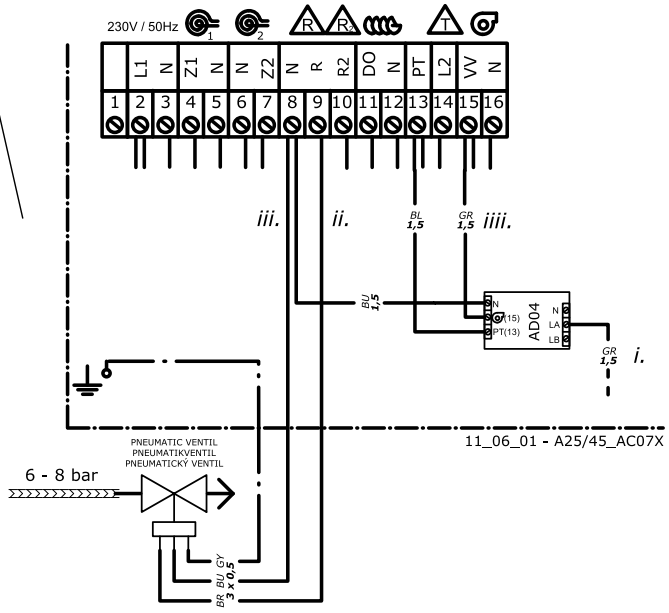
BOILERS WITH FAN:
KESSEL MIT GEBLÄSE:
KOTLE S VENTILÁTOREM:



ELECTRIC DIAGRAM OF BRENNER A25-45 BEFORE IN-BUILDING PNEUMATIC CLEARING
BRENNER A25-45 LEITUNGSSCHEMA VOR PENUMATICREINIGUNGMONTAGE
ELEKTRICKÉ SCHÉMA HOŘÁKU A25-45 PŘED VESTAVBOU PNEUMATICKÉHO ČIŠTĚNÍ



ELECTRIC DIAGRAM OF BRENNER A25-45 AFTER IN-BUILDING PNEUMATIC CLEARING
BRENNER A25-45 LEITUNGSSCHEMA DANN PNEUMATICREINIGUNGMONTAGE
ELEKTRICKÉ SCHÉMA HOŘÁKU A25-45 PO VESTAVBĚ PNEUMATICKÉHO ČIŠTĚNÍ



i. RECONNECT GRAY KABEL FROM POSITION NR.9 TO MODUL AD04-LA
DEN GRAU KABEL ABKLEMMEN AUS DEM POSITION N.9 ZU MODUL AD04-LA
PŘEPOJENÝ ŠEDÝ VODIČ Z POZICE Č.9 DO MODULU AD04-LA

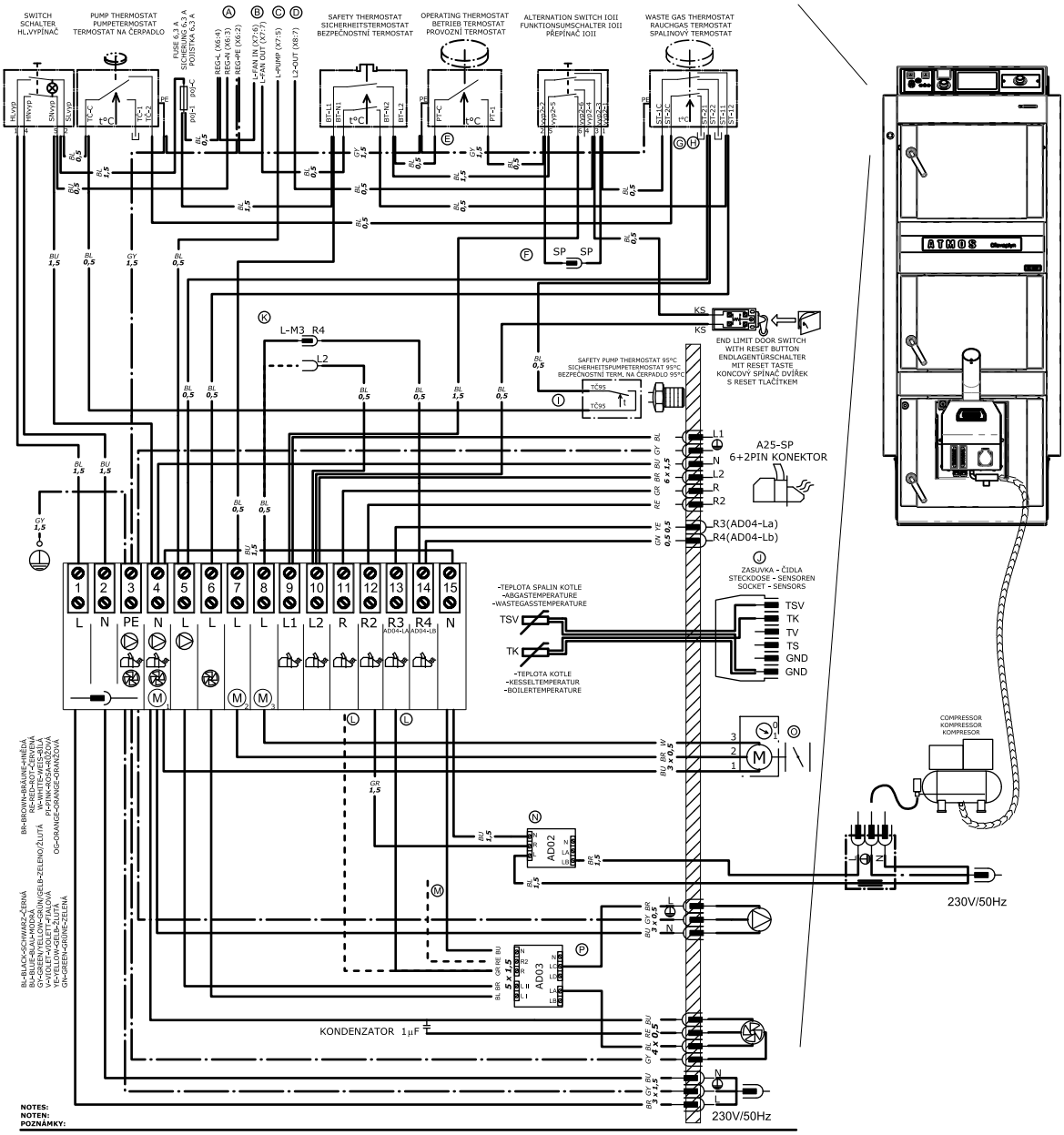
ii. CONNECT BROWN KABEL (PNEUMATIC VENTIL) TO POSITION NR.9
DEN BRAUN KABEL (PNEUMATICVENTIL) KLEMMEN IN POSITION N.9
ZAPOJIT HNĚDÝ VODIČ (PNEUMATICKÝ VENTIL) DO POZICE Č.9

iii. CONNECT BLAU KABEL (PNEUMATIC VENTIL) TO POSITION NR.8
DEN BLUE KABEL (PNEUMATICVENTIL) KLEMMEN IN POSITION N.8
PŘIPOJIT MODRÝ VODIČ (PNEUMATICKÝ VENTIL) DO POZICE Č.8

iiii. MODUL AD04 - CONNECT BLACK KABEL TO POSITION NR.13 AND GREY KABEL TO POSITION NR.15
MODUL AD04 - DEN SCHWARC KABEL KLEMMEN IN POSITION N.13 UND GRAU KABEL KLEMMEN IN POSITION N.15
MODUL AD04 - PŘIPOJIT ČERNÝ VODIČ DO POZICE Č.13 A ŠEDÝ VODIČ DO POZICE Č.15

EN

Wiring diagram for combined boilers for wood gasification and pellet burning DC18SP, DC25SP, DC30SPX, DC32SP, C18SP, C25SP, KC25S



NOTES:
NOTEN:
POZNÁMKY:

(A) VARIANTS OF RECEPTOR POINTS "REG L,N,PE" (FERRULE/FASTON 6,3) FOR ELECTRONIC REGULATION (ACD01,ACD03,ACD04)
SPEISEKLEMMEVARIANTEN "REG L,N,PE" (ADERENDHÜLSE/FASTON 6,3) FÜR ELEKTRONISCHE REGELUNG (ACD01,ACD03,ACD04)
VARIANTY NAPÁJECÍCH SVOREK "REG L,N,PE" (DUTINKA/FASTON 6,3) PRO ELEKTRONICKOU REGULACI (ACD01,ACD03,ACD04)

(B) RESERVOIR POINT "L FAN-IN" AND "L-FAN OUT" OF BOILER FAN TO THE ELECTRONIC REGULATION (ACD01,ACD03,ACD04)
SPEISEKLEMME "L FAN-IN" UND "L-FAN OUT" DER KESSELGEBLÄSE FÜR DIE ELEKTRONISCHE REGELUNG (ACD01,ACD03,ACD04)
PŘIPOJOVACÍ SVORKA "L FAN-IN" A "L-FAN OUT" KOTLOVÉHO VENTILÁTORU DO ELEKTRONICKÉ REGULACE (ACD01,ACD03,ACD04)

(C) RESERVOIR POINT "L-PUMP" OF BOILER PUMP TO THE ELECTRONIC REGULATION (ACD01,ACD03,ACD04)
SPEISEKLEMME "L-PUMP" DER KESSELPUMPE FÜR DIE ELEKTRONISCHE REGELUNG (ACD01,ACD03,ACD04)
PŘIPOJOVACÍ SVORKA "L-PUMP" KOTLOVÉHO ČERPADLA DO ELEKTRONICKÉ REGULACE (ACD01,ACD03,ACD04)

(D) RESERVOIR POINT "L2-OUT" OF BURNER TO THE ELECTRONIC REGULATION (ACD01,ACD03,ACD04)
SPEISEKLEMME "L2-OUT" DER BRENNER FÜR DIE ELEKTRONISCHE REGELUNG (ACD01,ACD03,ACD04)
PŘIPOJOVACÍ SVORKA "L2-OUT" HOŘÁKU DO ELEKTRONICKÉ REGULACE (ACD01,ACD03,ACD04)

(E) WHEN ELECTRONIC REGULATION (ACD01,ACD03,ACD04) CONTROL BURNER AND FAN - CONNECTORS "PT-C" AND "PT-1" MUST BE UNCONNECT
DEN KONNEKTOREN "PT-C" UND "PT-1" ABKLEMMEN BEI DER BRENNERBEDIENUNG UND KESSELGÄBLESEBEDIENUNG DER ELEKTRONIC REGELUNG (ACD01,ACD03,ACD04)
KONEKTORY "PT-C" A "PT-1" ODPOJIT PŘI OVLÁDÁNÍ HOŘÁKU A VENTILÁTORU KOTLE ELEKTRONICKOU REGULACÍ (ACD01,ACD03,ACD04)

(F) BOILER FAN CONNECTION - PLUG "SP/SP" BETWEEN "VYP2-1/VYP2-2" IS CONNECT ONLY WITH FUNCTION "AUTOSTART" IN BURNER ATMOS.
KLEMME KESSEL FAN - KLEMME "SP/SP" ZWISCHEN "VYP2-1/VYP2-2" IST VERBUNDEN NUR MIT FUNCTION "AUTOSTART" IN BRENNER ATMOS.
KLEMA VENTILÁTORU KOTLE - PROPOJKA "SP/SP" MEZI "VYP2-1/VYP2-2" JE ZAPOJENA POUZE S FUNKCÍ "AUTOSTART" V HOŘÁKU ATMOS.

(G) WHEN ELECTRONIC REGULATION (ACD01,ACD03,ACD04) CONTROL BOILER PUMP - CONNECTORS "ST-2C" AND "ST-22" MUST BE UNCONNECT
DEN KONNEKTOREN "ST-2C" UND "ST-22" ABKLEMMEN BEI DER KESSELPUMPEBEDIENUNG DER ELEKTRONIC REGELUNG (ACD01,ACD03,ACD04)
KONEKTORY "ST-2C" A "ST-22" ODPOJIT PŘI OVLÁDÁNÍ ČERPADLA KOTLE ELEKTRONICKOU REGULACÍ (ACD01,ACD03,ACD04)

(H) WHEN ELECTRONIC REGULATION (ACD01,ACD03,ACD04) CONTROL BOILER FAN - CONNECTORS "ST-1C" AND "ST-12" MUST BE UNCONNECT
DEN KONNEKTOREN "ST-1C" UND "ST-12" ABKLEMMEN BEI DER KESSELGÄBLESEBEDIENUNG DER ELEKTRONIC REGELUNG (ACD01,ACD03,ACD04)
KONEKTORY "ST-1C" A "ST-12" ODPOJIT PŘI OVLÁDÁNÍ VENTILÁTORU KOTLE ELEKTRONICKOU REGULACÍ (ACD01,ACD03,ACD04)

(I) WHEN ELECTRONIC REGULATION (ACD01,ACD03,ACD04) CONTROL BOILER PUMP - CONNECTORS "TČ95" MUST BE UNCONNECT
DEN KONNEKTOREN "TČ95" ABKLEMMEN BEI DER KESSELPUMPEBEDIENUNG DER ELEKTRONIC REGELUNG (ACD01,ACD03,ACD04)
KONEKTORY "TČ95" ODPOJIT PŘI OVLÁDÁNÍ ČERPADLA KOTLE ELEKTRONICKOU REGULACÍ (ACD01,ACD03,ACD04)

(J) SENSOR "TK" AND SENSOR "TSV" FOR BURNER A25-SP
FÜHLER TK UND FÜHLER TSV FÜR BRENNER A25-SP
ČIDLO "TK" A ČIDLO "TSV" PRO HOŘÁK A25-SP

(K) CONTROL OF SERVO AIR FLAP VALVE: L-M3=R4 with burner A25-SP (with module AD04) / L-M3=L2 with burner A25 without module AD04 (DO NOT USE - COLLISION WITH FUNCTION "AUTOSTART")
SERVOKLAPPEBEDIENUNG:L-M3=R4 mit brenner A25-SP (mit modul AD04) / L-M3=L2 mit brenner A25 ohne module AD04 (NICHT VERWENDEN - KOLLISION MIT DEM FUNKTION "AUTOSTART")
OVLÁDÁNÍ SERVOKLAPKY: L-M3=R4 s hořákem A25-SP (s modulem AD04) / L-M3=L2 s hořákem A25 bez modulu AD04 (NEPOUŽÍVAT - KOLIZE S FUNKCÍ "AUTOSTART")

(L) WHEN ELECTRONIC REGULATION CONTROL BOILER FAN - CABEL MUST BE UNCONNECT
KABEL ABKLEMMEN BEI DER KESSELGÄBLESEBEDIENUNG DER ELEKTRONIC REGELUNG
VODIČ ODPOJIT PŘI OVLÁDÁNÍ VENTILÁTORU KOTLE ELEKTRONICKOU REGULACÍ

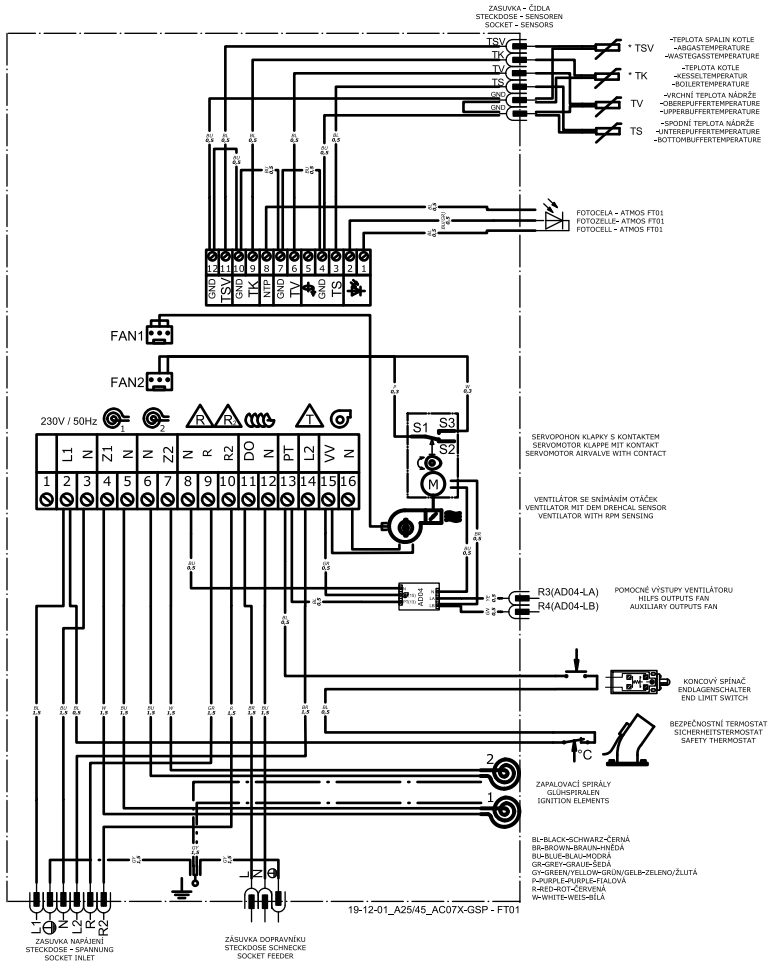
(M) WHEN ELECTRONIC REGULATION (ACD01,ACD03,ACD04) CONTROL BOILER PUMP - CABEL MUST BE UNCONNECT
ABKLEMMEN BEI DER KESSELPUMPEBEDIENUNG DER ELEKTRONIC REGELUNG (ACD01,ACD03,ACD04)
VODIČ ODPOJIT PŘI OVLÁDÁNÍ ČERPADLA KOTLE ELEKTRONICKOU REGULACÍ (ACD01,ACD03,ACD04)

(N) MODUL AD03 FOR CONTROL BOILERFAN AND BOILERPUMP FROM BURNER A25-SP
MODUL AD03 FÜR BEDIENUNG KESSELGEBLÄSE UND KESSELPUMPE BEI DEM BRENNER A25-SP
MODUL AD03 K OVLÁDÁNÍ VENTILÁTORU A ČERPADLA KOTLE HOŘÁKEM A25-SP

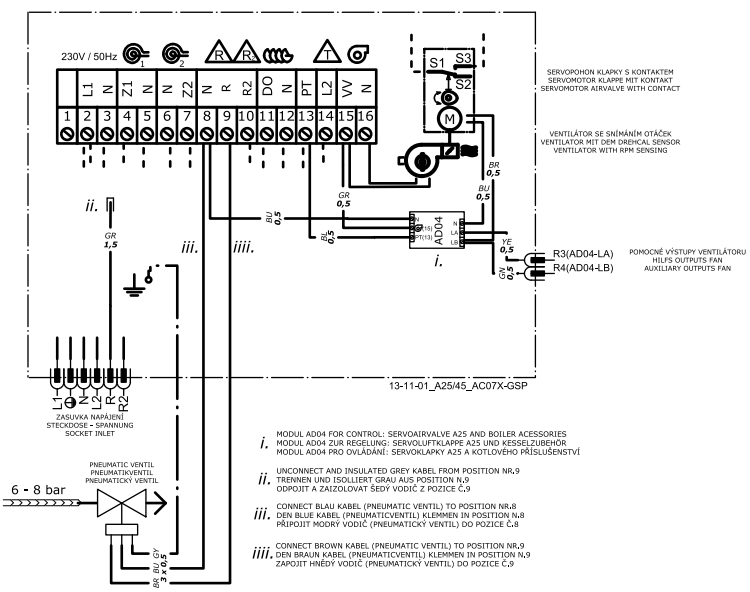
(O) SET DIP DIRECTION OF ROTATION ON SERVO AIR FLAP VALVE = 1
STELLEN DIP DREHRICHTUNG AUF DEM SERVOKLAPPE = 1
NASTAVENÍ PŘEPÍNAČE SMYSLU OTÁČENÍ NA MOTORU SERVOKLAPKY = 1

19-01-01_DCxxSP_A25-SP_6P_AD03_PUMP

ELECTRIC DIAGRAM OF BRENNER A25-SP BEFORE IN-BUILDING PNEUMATIC CLEARING
BRENNER A25-SP LEITUNGSSCHEMA VOR PENUMATICREINIGUNGMONTAGE
ELEKTRICKÉ SCHÉMA HOŘÁKU A25-SP PŘED VESTAVBOU PNEUMATICKÉHO ČIŠTĚNÍ



ELECTRIC DIAGRAM OF BRENNER A25-SP AFTER IN-BUILDING PNEUMATIC CLEARING
BRENNER A25-SP LEITUNGSSCHEMA DANN PNEUMATICREINIGUNGMONTAGE
ELEKTRICKÉ SCHÉMA HOŘÁKU A25-SP PO VESTAVBĚ PNEUMATICKÉHO ČIŠTĚNÍ



i. MODUL AD04 FOR CONTROL: SERVOAIRVALVE A25 AND BOILER ACESSORIES
MODUL AD04 ZUR REGELUNG: SERVOLUFTKLAPPE A25 UND KESSELZUBEHÖR
MODUL AD04 PRO OVLADÁNÍ: SERVOKLAPKY A25 A KOTLOVÉHO PŘÍSLUŠENSTVÍ

ii. UNCONNECT AND INSULATED GREY KABEL FROM POSITION NR.9
TRENNEN UND ISOLLIERT GRAU AUS POSITION N.9
ODPOJIT A ZAIZOLOVAT ŠEDÝ VODIČ Z POZICE Č.9

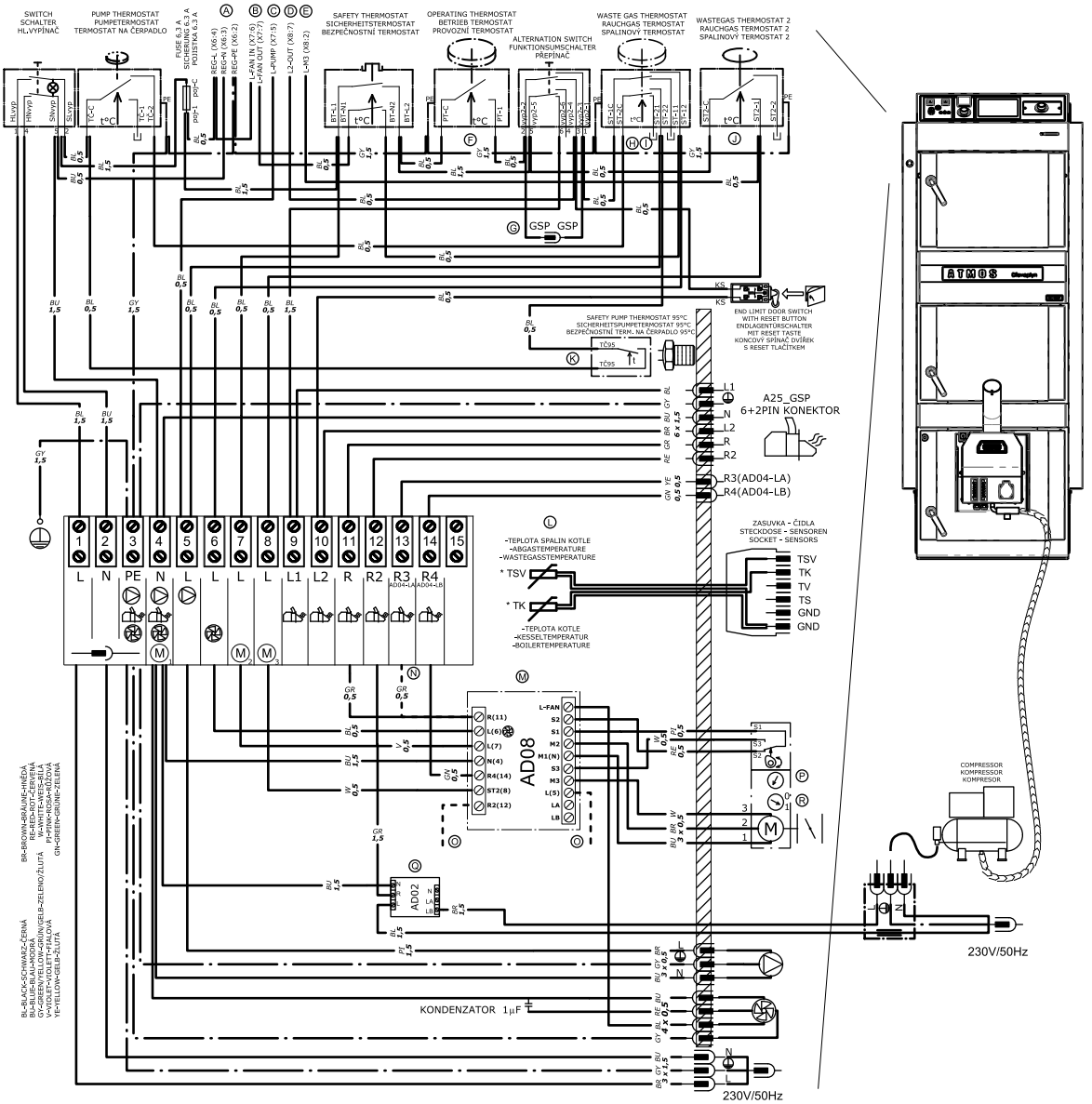
iii. CONNECT BLAU KABEL (PNEUMATIC VENTIL) TO POSITION NR.8
DEN BLUE KABEL (PNEUMATICVENTIL) KLEMMEN IN POSITION N.8
PŘIPOJIT MODRÝ VODIČ (PNEUMATICKÝ VENTIL) DO POZICE Č.8

iiii. CONNECT BROWN KABEL (PNEUMATIC VENTIL) TO POSITION NR.9
DEN BRAUN KABEL (PNEUMATICVENTIL) KLEMMEN IN POSITION N.9
ZAPOJIT HNĚDÝ VODIČ (PNEUMATICKÝ VENTIL) DO POZICE Č.9

19-12-01_DCxxSP_A25-SP_6P_AD03_AD02-PNEU - FT01.sch

EN

Wiring diagram for combined boilers for wood gasification and pellet burning DC25GSP, DC30GSP



NOTES:
NOTEN:
POZNÁMKY:

16-02-01_DCxxGSP_A25-GSP_6P_AD08

(A) VARIANTS OF RESERVOIR POINTS "REG L,N,PE" (FERRULE/FASTON 6,3) FOR ELECTRONIC REGULATION
SPEISEKLEMMEVARIANTEN "REG L,N,PE" (ADERENDHÜLSE/FASTON 6,3) FÜR ELEKTRONISCHE REGELUNG
VARIANTY NAPÁJECÍCH SVOREK "REG L,N,PE" (DUTINKA/FASTON 6,3) PRO ELEKTRONICKOU REGULACI

(B) RESERVOIR POINT "L FAN-IN" AND "L-FAN OUT" OF BOILER FAN TO THE ELECTRONIC REGULATION
SPEISEKLEMME "L FAN-IN" UND "L-FAN OUT" DER KESSELGEBLÄSE FÜR DIE ELEKTRONISCHE REGELUNG
PŘIPOJOVACÍ SVORKA "L FAN-IN" A "L-FAN OUT" KOTLOVÉHO VENTILÁTORU DO ELEKTRONICKÉ REGULACE

(C) RESERVOIR POINT "L-PUMP" OF BOILER PUMP TO THE ELECTRONIC REGULATION
SPEISEKLEMME "L-PUMP" DER KESSELPUMPE FÜR DIE ELEKTRONISCHE REGELUNG
PŘIPOJOVACÍ SVORKA "L-PUMP" KOTLOVÉHO ČERPADLA DO ELEKTRONICKÉ REGULACE

(D) RESERVOIR POINT "L2-OUT" OF BURNER TO THE ELECTRONIC REGULATION
SPEISEKLEMME "L2-OUT" DER BRENNER FÜR DIE ELEKTRONISCHE REGELUNG
PŘIPOJOVACÍ SVORKA "L2-OUT" HOŘÁKU DO ELEKTRONICKÉ REGULACE

(E) RESERVOIR POINT "L-M3" OF SERVOFLAP TO THE ELECTRONIC REGULATION
SPEISEKLEMME "L-M3" DER SERVOKLAPPE FÜR DIE ELEKTRONISCHE REGELUNG
PŘIPOJOVACÍ SVORKA "L-M3" SERVOKLAPKY DO ELEKTRONICKÉ REGULACE

(F) WHEN ELECTRONIC REGULATION CONTROL BURNER AND FAN - CONNECTORS "PT-C" AND "PT-1" MUST BE UNCONNECT
DEN KONNEKTOREN "PT-C" UND "PT-1" ABKLEMMEN BEI DER BRENNERBEDIENUNG UND KESSELGÄBLESEBEDIENUNG DER ELEKTRONIC REGELUNG
KONEKTORY "PT-C" A "PT-1" ODPOJIT PŘI OVLÁDÁNÍ HOŘÁKU A VENTILÁTORU KOTLE ELEKTRONICKOU REGULACÍ

(G) BOILER FAN CONNECTION - PLUG "GSP/GSP" BETWEEN "VYP2-1/VYP2-2" IS CONNECT ONLY IN BOILERS DCxxGSP,
KLEMME KESSEL FAN - KLEMME "GSP/GSP" ZWISCHEN "VYP2-1/VYP2-2" IST NUR IN KESSEL DCxxGSP VERBUNDEN,
KLEMA VENTILÁTORU KOTLE - PROPOJKA "GSP/GSP" MEZI "VYP2-1/VYP2-2" JE ZAPOJENA POUZE V KOTLECH TYPU DCxxGSP,

(H) WHEN ELECTRONIC REGULATION CONTROL BOILER PUMP - CONNECTORS "ST-2C" AND "ST-22" MUST BE UNCONNECT
DEN KONNEKTOREN "ST-2C" UND "ST-22" ABKLEMMEN BEI DER KESSELPUMPEBEDIENUNG DER ELEKTRONIC REGELUNG
KONEKTORY "ST-2C" A "ST-22" ODPOJIT PŘI OVLÁDÁNÍ ČERPADLA KOTLE ELEKTRONICKOU REGULACÍ

(I) WHEN ELECTRONIC REGULATION CONTROL BOILER FAN - CONNECTORS "ST-1C" AND "ST-12" MUST BE UNCONNECT
DEN KONNEKTOREN "ST-1C" UND "ST-12" ABKLEMMEN BEI DER KESSELGÄBLESEBEDIENUNG DER ELEKTRONIC REGELUNG
KONEKTORY "ST-1C" A "ST-12" ODPOJIT PŘI OVLÁDÁNÍ VENTILÁTORU KOTLE ELEKTRONICKOU REGULACÍ

(J) WHEN ELECTRONIC REGULATION CONTROL BOILER SERVO AIR FLAP VALVE - CONNECTORS "ST2-C" AND "ST2-2" MUST BE UNCONNECT
DEN KONNEKTOREN "ST2-C" UND "ST2-2" ABKLEMMEN BEI DER KESSELSERVOKLAPPEBEDIENUNG DER ELEKTRONISCHE REGELUNG
KONEKTORY "ST2-C" A "ST2-2" ODPOJIT PŘI OVLÁDÁNÍ KOTLOVÉ SERVOKLAPKY ELEKTRONICKOU REGULACÍ

(K) WHEN ELECTRONIC REGULATION CONTROL BOILER PUMP - CONNECTORS "TČ95" MUST BE UNCONNECT
DEN KONNEKTOREN "TČ95" ABKLEMMEN BEI DER KESSELPUMPEBEDIENUNG DER ELEKTRONIC REGELUNG
KONEKTORY "TČ95" ODPOJIT PŘI OVLÁDÁNÍ ČERPADLA KOTLE ELEKTRONICKOU REGULACÍ

(L) SENSOR "TK" AND SENSOR "TSV" FOR BURNER A25-GSP
FÜHLER TK UND FÜHLER TSV FÜR BRENNER A25-GSP
ČIDLO "TK" A ČIDLO "TSV" PRO HOŘÁK A25-GSP

(M) MODUL AD08 FOR CONTROL: SERVOAIRVALVE GSP, BOILER FAN AND BOILER PUMP
MODUL AD08 ZUR REGELUNG: SERVOKLAPPE GSP, KESSELGEBLÄSE UND KESSELPUMPE
MODUL AD08 PRO OVLÁDÁNÍ: SERVOKLAPKY GSP, VENTILÁTORU A ČERPADLA KOTLE

(N) OUTPUT "R" (GREY CABEL) MUST BE RECONNECT FROM POSITION NR.11 TO NR.13 (R3) - BOILER FAN CONTROL BY MODUL AD04
AUSGANG "R" (GRAU KABEL) MUST UMSCHALTEN AUS POSITION N.11 ZU N.13 (R3) - KESSELGEBLÄSEBEDIENUNG AUS MODUL AD04
VÝSTUP "R" (ŠEDÝ VODIČ) MUSÍ BÝT PŘEPOJENÝ Z POZICE Č.11 DO Č.13 (R3) - OVLÁDÁNÍ VENTILÁTORU KOTLE Z MODULU AD04

(O) UNCONNECT AND INSULIERT "R2" (RED CABEL) AND "L(5)" (PINK or ORANGE CABEL)
TRENNEN UND ISOLLIERT "R2" (ROT KABEL) UND "L(5)" (ROSA oder ORANGE KABEL)
ODPOJENÝ A ZAIZOLOVANÝ "R2" (ČERVENÝ VODIČ) A "L(5)" (RŮŽOVÝ nebo ORANŽOVÝ VODIČ)

(P) SET DIP DIRECTION OF SERVOSWITCH
STELLEN DIP DREHRICHTUNG SERVOSWITCH
NASTAVENÍ POLOHY PŘEPÍNAČÍHO KONTAKTU SERVOPOHONU

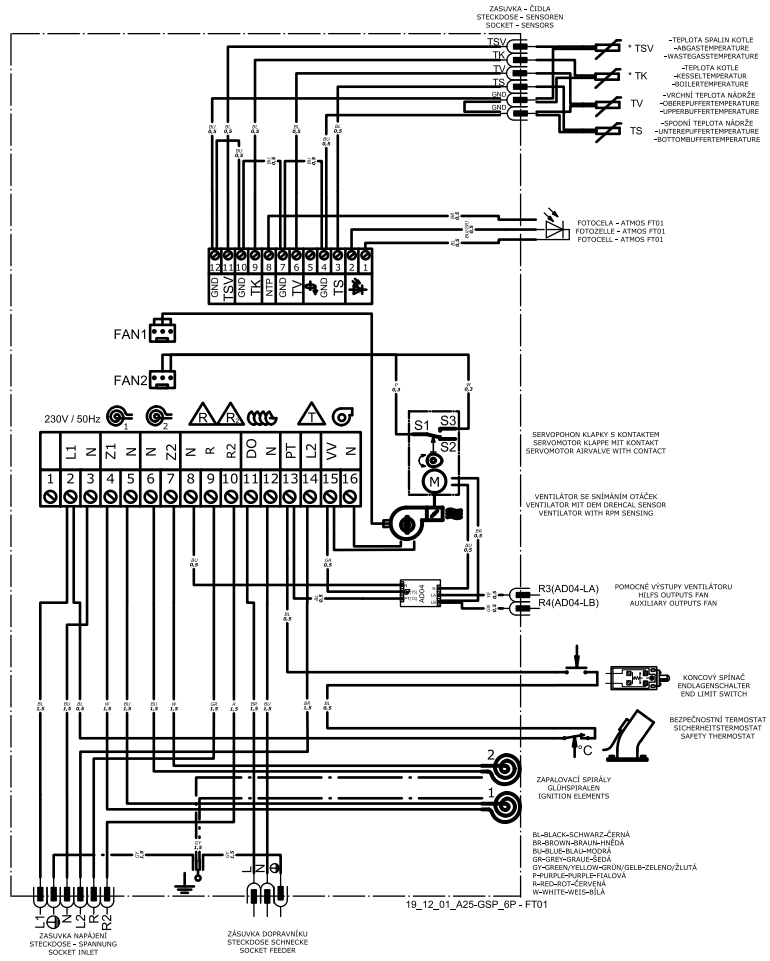
(Q) MODUL AD02 FOR COMPRESORCONTROL - ORIGINAL BLACK WIRE "L" REPLACED THE WIRES FROM THE COMPRESSOR
MODUL AD02 ZUR KOMPRESSORBEDIENUNG - ORIGINAL SCHWARZEN DRAHT "L" ERSETZT DIE DRÄHTE AUS DEM KOMPRESSOR
MODUL AD02 PRO OVLÁDÁNÍ KOMPRESORU - PŮVODNÍ ČERNÝ VODIČ "L" NAHRAZEN ZA VODIČ OD KOMPRESORU

(R) SET DIP DIRECTION OF ROTATION ON SERVO AIR FLAP VALVE = 1
STELLEN DIP DREHRICHTUNG AUF DEM SERVOKLAPPE = 1
NASTAVENÍ PŘEPÍNAČE SMYSLU OTÁČENÍ NA MOTORU SERVOKLAPKY = 1

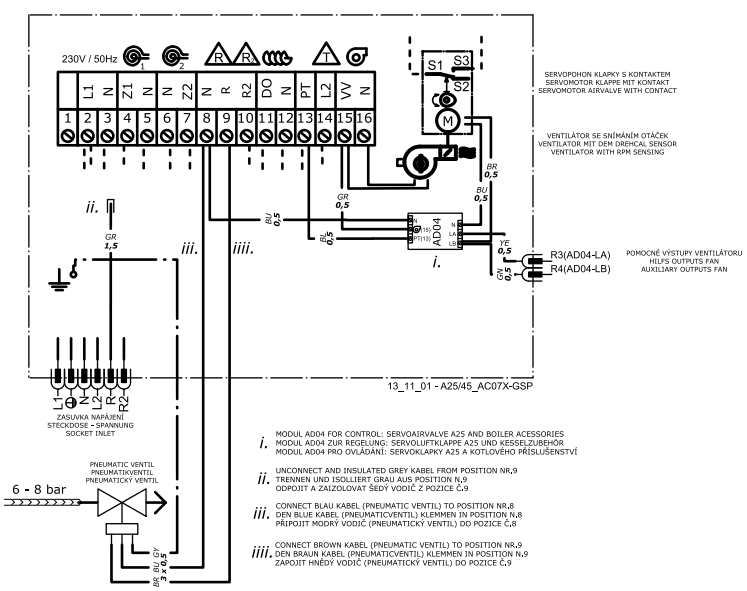
BR-BROWN-BRAUNE-HNĚDÁ
RE-RED-ROT-ČERVENÁ
BL-BLUE-BLAU-MODRÁ
PI-PINK-ROSA-RŮŽOVÁ
GN-GREEN-GRUNE-ZELENÁ

BL-BLACK-SCHWARZ-ČERNÁ
BU-BLUE-BLAU-MODRÁ
OG-ORANGE-ORANGE-ORANŽOVÁ
V-VIOLET-VIOLETT-FIALOVÁ
YE-YELLOW-GELB-ŽLUTÁ

ELECTRIC DIAGRAM OF BRENNER A25-GSP BEFORE IN-BUILDING PNEUMATIC CLEARING
BRENNER A25-GSP LEITUNGSSCHEMA VOR PENUMATICREINIGUNGMONTAGE
ELEKTRICKÉ SCHÉMA HOŘÁKU A25-GSP PŘED VESTAVBOU PNEUMATICKÉHO ČIŠTĚNÍ



ELECTRIC DIAGRAM OF BRENNER A25-GSP AFTER IN-BUILDING PNEUMATIC CLEARING
BRENNER A25-GSP LEITUNGSSCHEMA DANN PNEUMATICREINIGUNGMONTAGE
ELEKTRICKÉ SCHÉMA HOŘÁKU A25-GSP PO VESTAVBĚ PNEUMATICKÉHO ČIŠTĚNÍ



i. MODUL AD04 FOR CONTROL: SERVOAIRVALVE A25 AND BOILER ACESSORIES
MODUL AD04 ZUR REGELUNG: SERVOLUFTKLAPPE A25 UND KESSELZUBEHÖR
MODUL AD04 PRO OVLÁDÁNÍ: SERVOKLAPKY A25 A KOTLOVÉHO PŘÍSLUŠENSTVÍ

ii. UNCONNECT AND INSULATED GREY KABEL FROM POSITION NR.9
TRENNEN UND ISOLIERT GRAU AUS POSITION N.9
ODPOJIT A ZAIZOLOVAT ŠEDÝ VODIČ Z POZICE Č.9

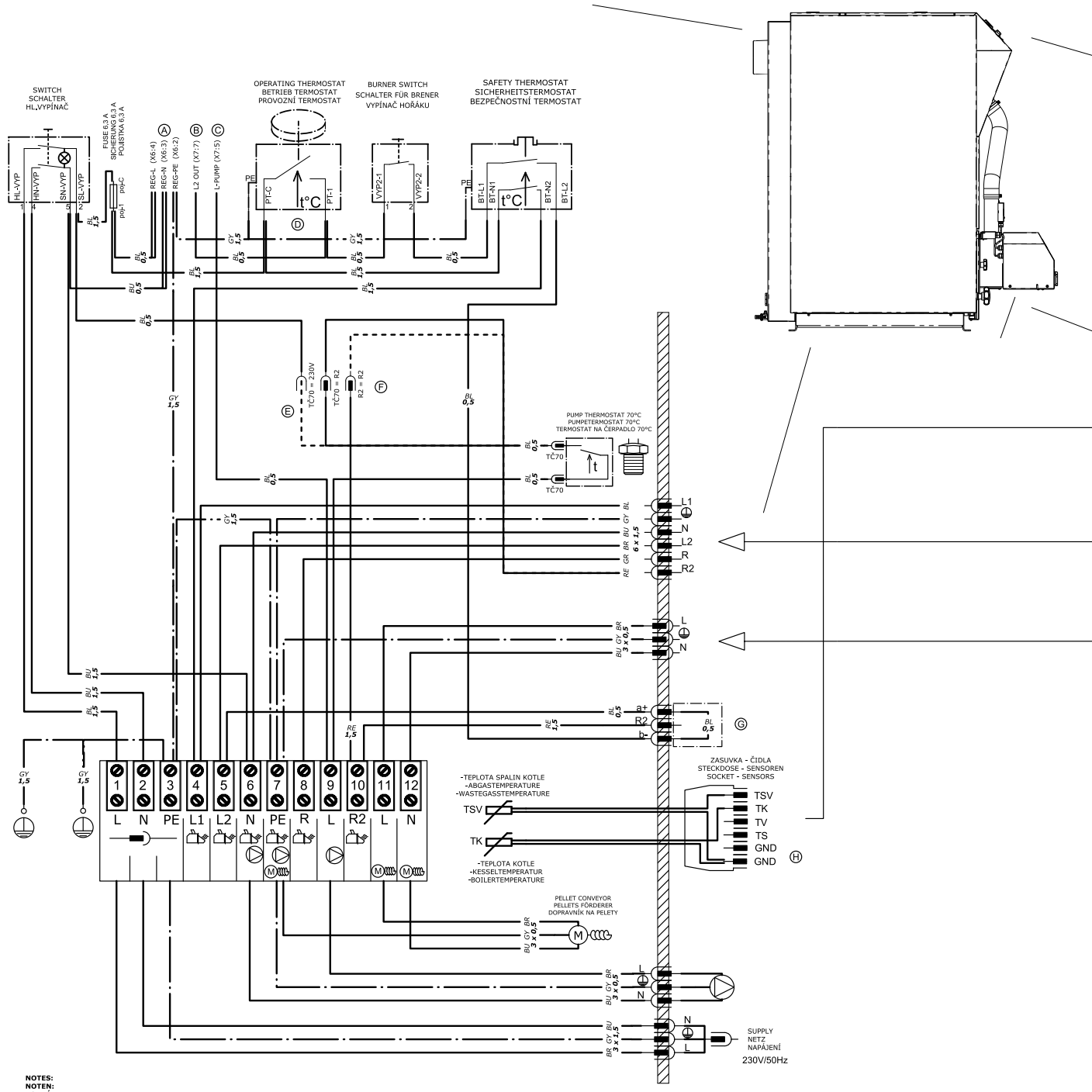
iii. CONNECT BLAU KABEL (PNEUMATIC VENTIL) TO POSITION NR.8
DEN BLUE KABEL (PNEUMATICVENTIL) KLEMMEN IN POSITION N.8
PŘIPOJIT MODRÝ VODIČ (PNEUMATICKÝ VENTIL) DO POZICE Č.8

iiii. CONNECT BROWN KABEL (PNEUMATIC VENTIL) TO POSITION NR.9
DEN BRAUN KABEL (PNEUMATICVENTIL) KLEMMEN IN POSITION N.9
ZAPOJIT HNĚDÝ VODIČ (PNEUMATICKÝ VENTIL) DO POZICE Č.9

19-12-01_DCxxGSP_A25-GSP_6P_AD08_AD02-PNEU - FT01.sch

EN

Wiring system for boiler running only on pellets without exhaust fan D10PX, PX10



NOTES:
NOTEN:
POZNÁMKY:

19-01-01_PX10

Ⓐ VARIANTS OF RESERVOIR POINTS "REG L,N,PE" (FERRULE/FASTON 6,3) FOR ELECTRONIC REGULATION
SPEISEKLEMMEVARIANTEN "REG L,N,PE" (ADERENDHÜLSE/FASTON 6,3) FÜR ELEKTRONISCHE REGELUNG
VARIANTY NAPÁJECÍCH SVOREK "REG L,N,PE" (DUTINKA/FASTON 6,3) PRO ELEKTRONICKOU REGULACI

Ⓑ RESERVOIR POINT "L2 OUT" OF BURNER TO THE ELECTRONIC REGULATION (ACD01)
SPEISEKLEMME "L2 OUT" DER BRENNER FÜR DIE ELEKTRONISCHE REGELUNG (ACD01)
PŘIPOJOVACÍ SVORKA "L2 OUT" HOŘÁKU DO ELEKTRONICKÉ REGULACE (ACD01)

Ⓒ RESERVOIR POINT "L PUMP" OF BOILER PUMP TO THE ELECTRONIC REGULATION (ACD01)
SPEISEKLEMME "L PUMP" DER KESSELPUMPE FÜR DIE ELEKTRONISCHE REGELUNG (ACD01)
PŘIPOJOVACÍ SVORKA "L PUMP" KOTLOVÉHO ČERPADLA DO ELEKTRONICKÉ REGULACE (ADC01)

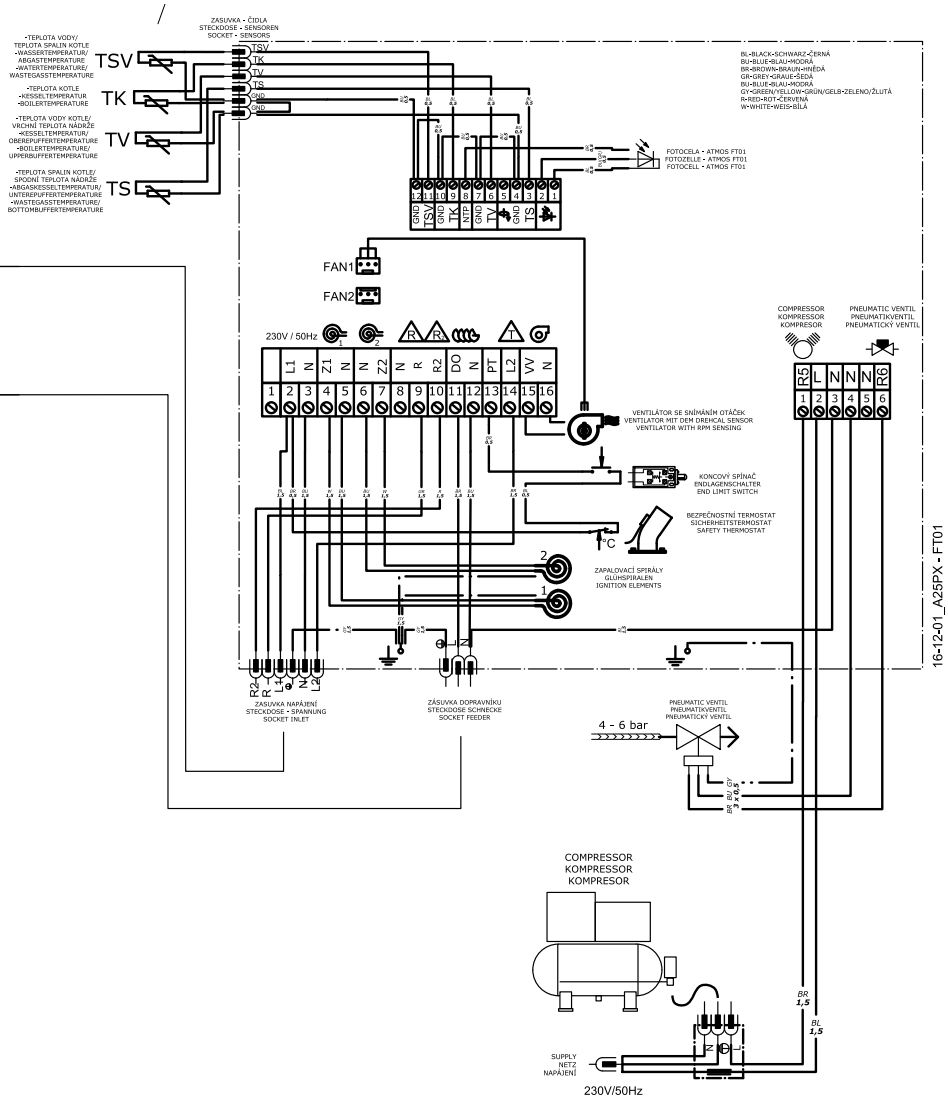
Ⓓ WHEN ELECTRONIC REGULATION CONTROL BURNER - CONNECTORS "PT-C" AND "PT-1" MUST BE UNCONNECT
DEN KONNEKTOREN "PT-C" UND "PT-1" ABKLEMMEN BEI DER BRENNERBEDIENUNG DER ELEKTRONISCHE REGELUNG
KONEKTORY "PT-C" A "PT-1" ODPOJIT PŘI OVLÁDÁNÍ HOŘÁKU ELEKTRONICKOU REGULACÍ

Ⓔ CONTROL OF BOILER PUMP FROM BURNER A25: TČ70=R2 / CONTROL OF BOILER PUMP ONLY FROM PUMP THERMOSTAT TČ70: TČ70=230V / CONTROL OF BOILER PUMP FROM ELECTRONIC REGULATOR: UNCONNECT CONNECTOR TČ70
KESSELPUMPE BEDIENUNG BEI DER BRENNER A25 REGELUNG: TČ70=R2 / KESSELPUMPE BEDIENUNG NUR BEI DER PUMPE THERMOSTAT TČ70: TČ70=230V / KESSELPUMPE BEDIENUNG BEI DER ELEKTRON. REGELUNG: DEN KONNEKTOREN TČ70 ABKLEMMEN
OVLÁDÁNÍ ČERPADLA KOTLE Z HOŘÁKU A25: TČ70=R2 / OVLÁDÁNÍ ČERPADLA KOTLE POUZE TERMOSTATEM TČ70: TČ70=230V / OVLÁDÁNÍ ČERPADLA KOTLE Z ELEKTRONICKÉ REGULACE:ODPOJIT KONEKTOR TČ70

Ⓕ OUTPUT R2 OF THE BURNER A25 CONTROL OF BOILER PUMP: R2=TČ70 / OUTPUT R2 OF THE BURNER A25 IS USED FOR OTHER CONTROL: R2=R2
AUSGANG R2 VON BRENNER A25 STEUERT DIE KESSELPUMPE:R2=TČ70 / AUSGANG R2 VON BRENNER A25 IST FÜR DIE ANDERE STEUERUNG VERWENDET: R2=R2
VÝSTUP R2 Z HOŘÁKU A25 OVLÁDÁ ČERPADLO KOTLE: R2=TČ70 / VÝSTUP R2 Z HOŘÁKU A25 JE POUŽITA NA JINÉ OVLÁDÁNÍ: R2=R2

Ⓖ 3P CONNECTOR WITH PLUG
3P KONNEKTOR MIT KLEME
3P KONEKTOR S KLEMOU

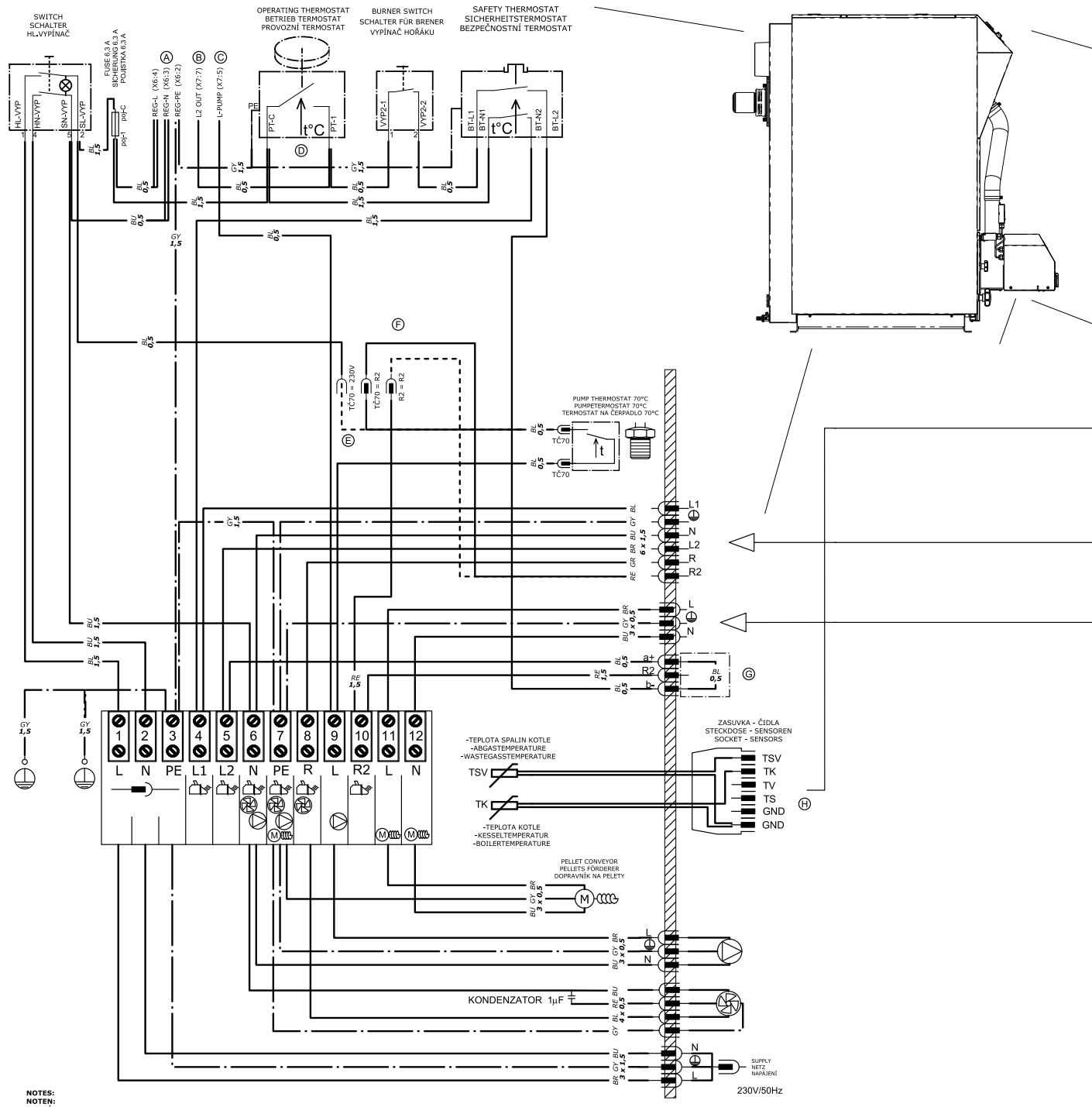
Ⓗ SENSOR "TK" AND SENSOR "TSV" FOR BURNER A25
KESSEL WASSER FÜHLER "TK" UND KESSEL ABGAS FÜHLER "TSV" FÜR BRENNER A25
ČIDLO "TK" A ČIDLO "TSV" PRO HOŘÁK A25



19-12-01_PX10_PNEU - FT01.sch

EN

Wiring system for boiler running only on pellets with exhaust fan D15PX, D20PX, D25PX, PX15, PX20, PX25



NOTES:
NOTEN:
POZNÁMKY:

19_04_01 - P15-25PX

Ⓐ VARIANTS OF RESERVOIR POINTS "REG L,N,PE" (FERRULE/FASTON 6,3) FOR ELECTRONIC REGULATION
SPEISEKLEMMEVARIANTEN "REG L,N,PE" (ADERENDHÜLSE/FASTON 6,3) FÜR ELEKTRONISCHE REGELUNG
VARIANTY NAPÁJECÍCH SVOREK "REG L,N,PE" (DUTINKA/FASTON 6,3) PRO ELEKTRONICKOU REGULACI

Ⓑ RESERVOIR POINT "L2 OUT" OF BURNER AND FAN TO THE ELECTRONIC REGULATION (ACD01)
SPEISEKLEMME "L2 OUT" DER BRENNER UND VENTILATOR FÜR DIE ELEKTRONISCHE REGELUNG (ACD01)
PŘIPOJOVACÍ SVORKA "L2 OUT" HOŘÁKU A VENTILÁTORU DO ELEKTRONICKÉ REGULACE (ACD01)

Ⓒ RESERVOIR POINT "L PUMP" OF BOILER PUMP TO THE ELECTRONIC REGULATION (ACD01)
SPEISEKLEMME "L PUMP" DER KESSELPUMPE FÜR DIE ELEKTRONISCHE REGELUNG (ACD01)
PŘIPOJOVACÍ SVORKA "L PUMP" KOTLOVÉHO ČERPADLA DO ELEKTRONICKÉ REGULACE (ADC01)

Ⓓ WHEN ELECTRONIC REGULATION CONTROL BURNER - CONNECTORS "PT-C" AND "PT-1" MUST BE UNCONNECT
DEN KONNEKTOREN "PT-C" UND "PT-1" ABKLEMMEN BEI DER BRENNERBEDIENUNG DER ELEKTRONISCHE REGELUNG
KONEKTORY "PT-C" A "PT-1" ODPOJIT PŘI OVLÁDÁNÍ HOŘÁKU ELEKTRONICKOU REGULACÍ

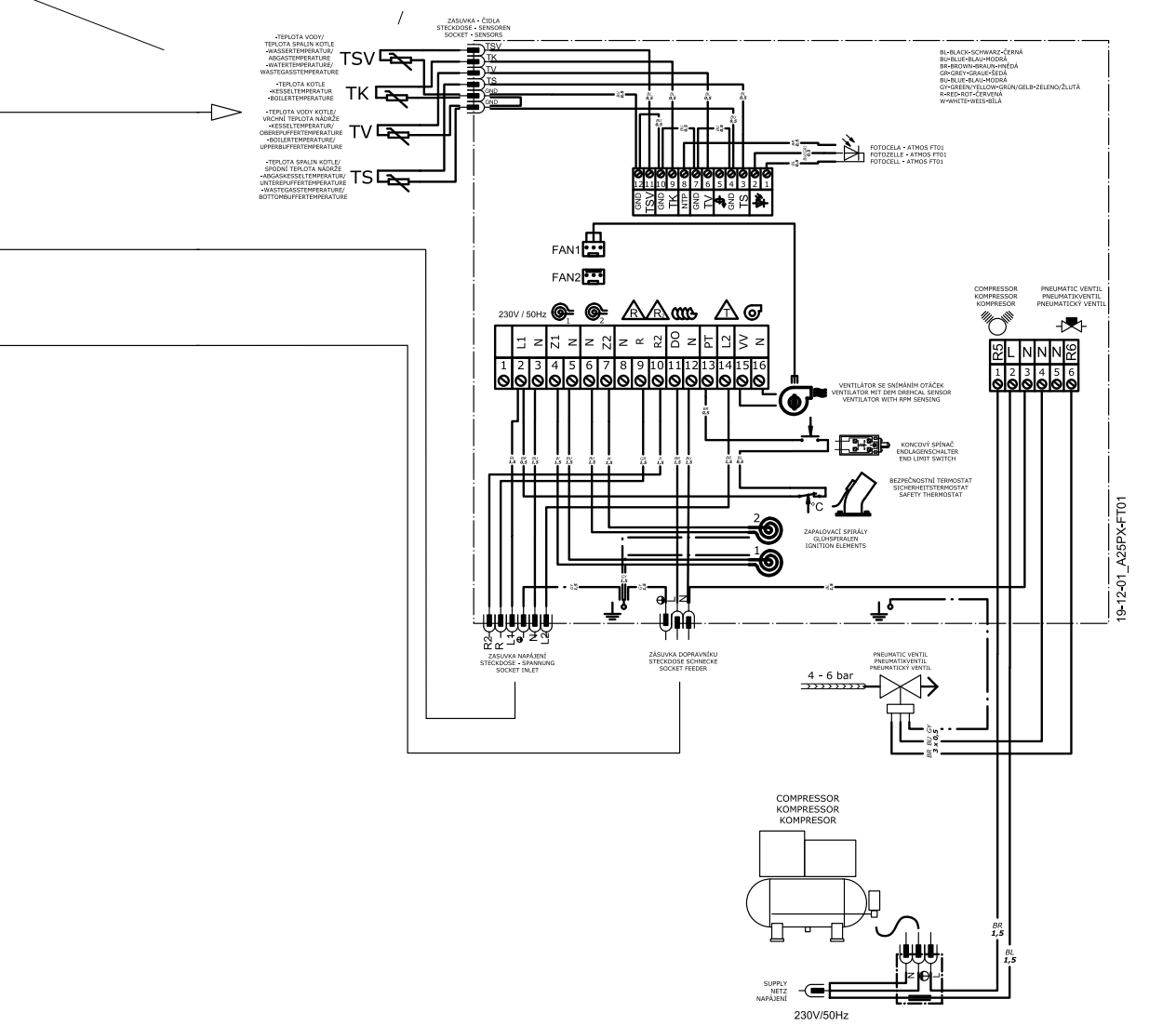
Ⓔ CONTROL OF BOILER PUMP FROM BURNER A25: TČ70=R2 / CONTROL OF BOILER PUMP ONLY FROM PUMP THERMOSTAT TČ70: TČ70=230V / CONTROL OF BOILER PUMP FROM ELECTRONIC REGULATOR: UNCONNECT CONNECTOR TČ70
KESSELPUMPE BEDIENUNG BEI DER BRENNER A25 REGELUNG: TČ70=R2 / KESSELPUMPE BEDIENUNG NUR BEI DER PUMPE THERMOSTAT TČ70: TČ70=230V / KESSELPUMPE BEDIENUNG BEI DER ELEKTRON. REGELUNG: DEN KONNEKTOREN TČ70 ABKLEMMEN
OVLÁDÁNÍ ČERPADLA KOTLE Z HOŘÁKU A25: TČ70=R2 / OVLÁDÁNÍ ČERPADLA KOTLE POUZE TERMOSTATEM TČ70: TČ70=230V / OVLÁDÁNÍ ČERPADLA KOTLE Z ELEKTRONICKÉ REGULACE:ODPOJIT KONEKTOR TČ70

Ⓕ OUTPUT R2 OF THE BURNER A25 CONTROL OF BOILER PUMP: R2=TČ70 / OUTPUT R2 OF THE BURNER A25 IS USED FOR OTHER CONTROL: R2=R2
AUSGANG R2 VON BRENNER A25 STEUERT DIE KESSELPUMPE;R2=TČ70 / AUSGANG R2 VON BRENNER A25 IST FÜR DIE ANDERE STEUERUNG VERWENDET: R2=R2
VÝSTUP R2 Z HOŘÁKU A25 OVLÁDÁ ČERPADLO KOTLE: R2=TČ70 / VÝSTUP R2 Z HOŘÁKU A25 JE POUŽITA NA JINÉ OVLÁDÁNÍ: R2=R2

Ⓖ 3P CONNECTOR WITH PLUG
3P KONNEKTOR MIT KLEME
3P KONEKTOR S KLEMOU

Ⓗ SENSOR "TK" AND SENSOR "TSV" FOR BURNER A25
KESSEL WASSER FÜHLER "TK" UND KESSEL ABGAS FÜHLER "TSV" FÜR BRENNER A25
ČIDLO "TK" A ČIDLO "TSV" PRO HOŘÁK A25

BL-BLACK-SCHWARZ-ČERNÁ
BU-BLUE-BLAU-MODRÁ
GY-GREEN/YELLOW-GRÜN/GELB-ZELENO/ŽLUTÁ
GR-GREY-GRAU-ŠEDÁ
BR-BROWN-BRÄUNE-HNĚDÁ
RE-RED-ROT-ČERVENÁ
W-WHITE-WEIS-BÍLÁ



19-12-01_PX15-25_PNEU - FT01.sch

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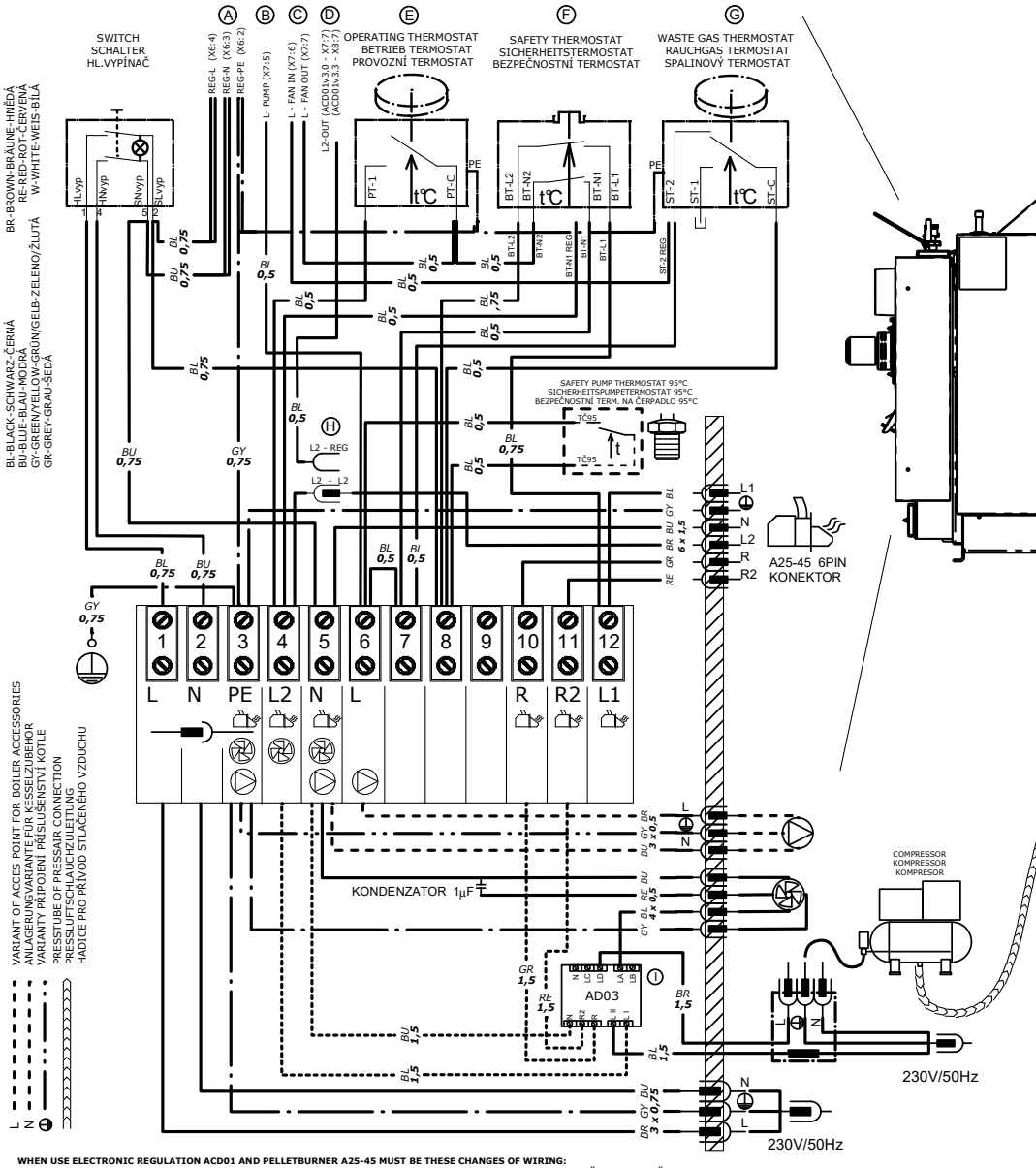
Wiring diagram for gasification boiler for wood, coal and briquettes equipped with exhaust fan with build-in burner in upper doors DCxxS(X), DCxxRS, CxxS(T), ACxxS, KCxxS - old version



WHEN USE ELECTRONIC REGULATION ACD01 AND PELLETBURNER A25-45 MUST BE THESE CHANGES OF WIRING:
BEI DER STEUERUNG DES KESSELBETRIEBES DER ELEKTRONISCHE REGELUNG ACD01 UND PELLETBRENNER A25-45 MÜSSEN DIESE ÄNDERUNGEN MACHEN SEIN:
PŘI ZAPOJENÍ ELEKTRONICKÉ REGULACE ACD01 A PELETOVÉHO HOŘÁKU A25-45 PROVEĎTE TYTO ZMĚNY:

13-01-01_DCxxS HORAK_6P

(A) VARIANTS OF RESERVOIR POINTS "REG L,N,PE" (FERRULE/FASTON 6,3) FOR ELECTRONIC REGULATION
SPEISEKLEMMEVARIANTEN "REG L,N,PE" (ADERENDHÜLSE/FASTON 6,3) FÜR ELEKTRONISCHE REGELUNG
VARIANTY NAPÁJECÍCH SVOREK "REG L,N,PE" (DUTINKA/FASTON 6,3) PRO ELEKTRONICKOU REGULACI

(B) RESERVOIR POINT "L-PUMP" OF BOILERPUMP TO THE ELECTRONIC REGULATION
SPEISEKLEMME "L-PUMP" DER KESSELPUMPE FÜR DIE ELEKTRONISCHE REGELUNG
PŘIPOJOVACÍ SVORKA "L-PUMP" KOTLOVÉHO ČERPADLA DO ELEKTRONICKÉ REGULACE

(C) RESERVOIR POINT "L - FAN IN" AND L - FAN OUT" OF BOILER FAN TO THE ELECTRONIC REGULATION
SPEISEKLEMME "L - FAN IN" UND "L - FAN OUT" DER KESSELGEBLÄSE FÜR DIE ELEKTRONISCHE REGELUNG
PŘIPOJOVACÍ SVORKA "L - FAN IN" A "L - FAN OUT" KOTLOVÉHO VENTILÁTORU DO ELEKTRONICKÉ REGULACE

(D) RESERVOIR POINT "L2" OF BURNER TO THE ELECTRONIC REGULATION (BY THE SOFTWARE VERSION OF ACD01)
SPEISEKLEMME "L2" DER BRENNER FÜR DIE ELEKTRONISCHE REGELUNG (GEMäß SOFTWARE VERSION ACD01)
PŘIPOJOVACÍ SVORKA "L2" HOŘÁKU DO ELEKTRONICKÉ REGULACE (PODLE VERZE SOFTWARU ACD01)

(E) WHEN ELECTRONIC REGULATION CONTROL BOILER FAN/BURNER - CONNECTORS "PT-C" AND "PT-1" MUST BE UNCONNECT
DEN KONNEKTOREN "PT-C" UND "PT-1" ABKLEMMEN BEI DER KESSELGÄBLESE/BRENNER BEDIENUNG DER ELEKTRONISCHE REGELUNG
KONEKTORY "PT-C" A " PT-1" ODPOJIT PŘI OVLÁDÁNÍ KOTLOVÉHO VENTILÁTORU/HOŘÁKU ELEKTRONICKOU REGULACÍ

(F) WHEN ELECTRONIC REGULATION CONTROL BOILER FAN/PELLETS BURNER - CHANGE CONNECTOR "BT-N1" FOR CONNECTOR "BT-N1 REG"
DEN AUSWECHSELN KONNEKT. "BT-N1" FÜR KONNEKT."BT-N1 REG" BEI DER KESSELGÄBLASE/BRENNER BEDIENUNG DER ELEKTRON. REG.
PŘEHODIT SVORKY "BT-N1" ZA "BT-N1 REG" PŘI OVLÁDÁNÍ KOTLOVÉHO VENTILÁTORU/HOŘÁKU ELEKTRONICKOU REGULACÍ

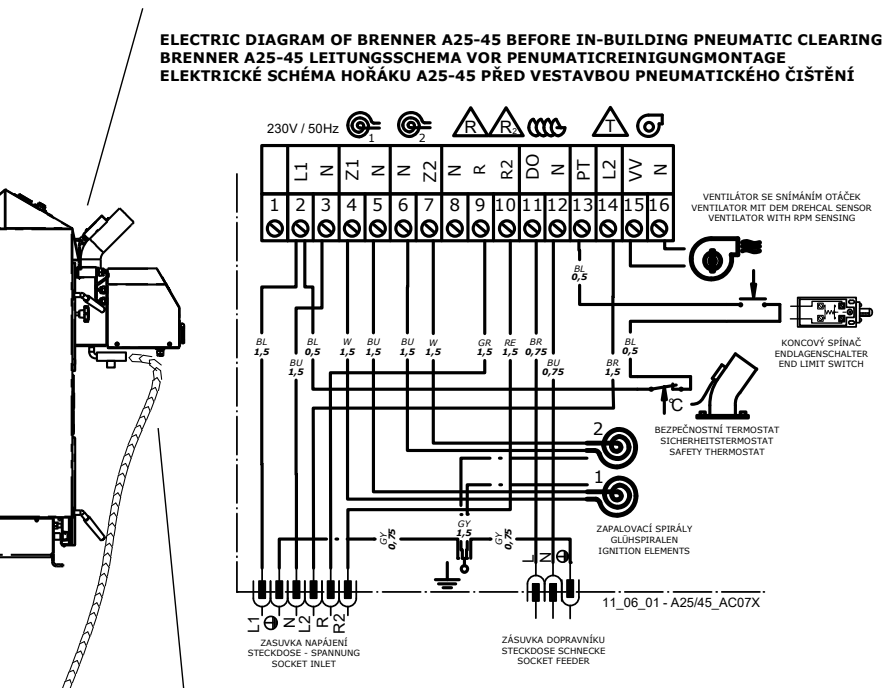
(G) WHEN ELECTRONIC REGULATION CONTROL BOILER FAN/BURNER/PUMP/ - CHANGE CONNECTOR "ST-2" TO CONNECTOR "ST-2 REG"
DEN AUSWECHSELN KONNEKTOR "ST-2" FÜR KONNEKT."ST-2 REG" BEI DER GÄBLASE/BRENNER/PUMPE BEDIENUNG DER ELEKTRON. REGELUNG
PŘEHODIT SVORKY "ST-2" ZA "ST-2 REG" PŘI OVLÁDÁNÍ KOTLOVÉHO VENTILÁTORU/HOŘÁKU/ČERPADLA ELEKTRONICKOU REGULACÍ

(H) WHEN ELECTRONIC REGULATION CONTROL PELLETS BURNER - CHANGE CONNECTOR "L2" TO CONNECTOR "L2 REG"
DEN AUSWECHSELN KONNEKTOR "L2" FÜR KONNEKT."L2 REG" BEI DER BRENNER BEDIENUNG DER ELEKTRON. REGELUNG
PŘEHODIT SVORKY "L2" ZA "L2 REG" PŘI OVLÁDÁNÍ PELETOVÉHO HOŘÁKU ELEKTRONICKOU REGULACÍ

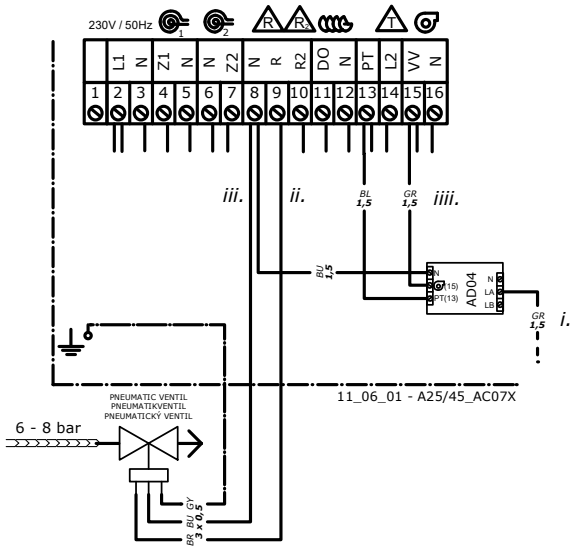
(I) MODUL AD03 FOR CONTROL COMPRESSOR FAN FROM BURNER A25/45
MODUL AD03 FÜR BREMSKOMPRESSORBEDIENUNG UND KESSELVENTILATOR BEDIENUNG BEI DEM BRENNER A25/45
MODUL AD03 K OVLÁDÁNÍ KOMPRESORU A VENTILÁTORU KOTLE HOŘÁKEM A25/45

FOR BOILER:
FÜR KESSEL:
PRO KOTLE:
- CxxS HORAK
- ACxxS HORAK
- KCxxS HORAK
- DCxxS HORAK
- DCxxSX HORAK
- DCxxRS HORAK

ELECTRIC DIAGRAM OF BRENNER A25-45 BEFORE IN-BUILDING PNEUMATIC CLEARING
BRENNER A25-45 LEITUNGSSCHEMA VOR PENUMATICREINIGUNGMONTAGE
ELEKTRICKÉ SCHÉMA HOŘÁKU A25-45 PŘED VESTAVBOU PNEUMATICKÉHO ČIŠTĚNÍ



ELECTRIC DIAGRAM OF BRENNER A25-45 AFTER IN-BUILDING PNEUMATIC CLEARING
BRENNER A25-45 LEITUNGSSCHEMA DANN PNEUMATICREINIGUNGMONTAGE
ELEKTRICKÉ SCHÉMA HOŘÁKU A25-45 PO VESTAVBĚ PNEUMATICKÉHO ČIŠTĚNÍ



i. RECONNECT GRAY KABEL FROM POSITION NR.9 TO MODUL AD04-LA
DEN GRAU KABEL ABKLEMMEN AUS DEM POSITION N.9 ZU MODUL AD04-LA
PŘEPOJENÝ ŠEDÝ VODIČ Z POZICE Č.9 DO MODULU AD04-LA

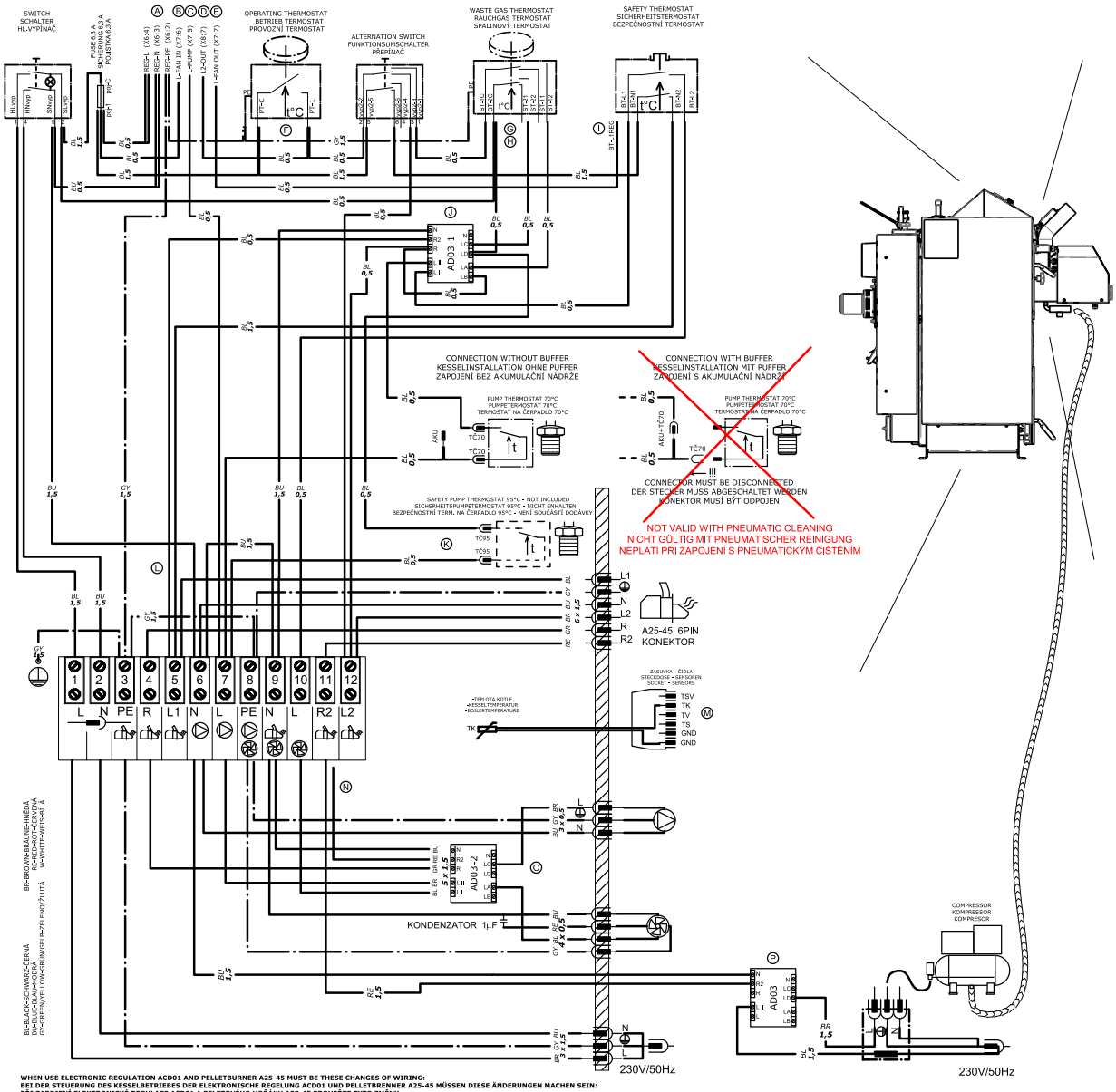
ii. CONNECT BROWN KABEL (PNEUMATIC VENTIL) TO POSITION NR.9
DEN BRAUN KABEL (PNEUMATICVENTIL) KLEMMEN IN POSITION N.9
ZAPOJIT HNĚDÝ VODIČ (PNEUMATICKÝ VENTIL) DO POZICE Č.9

iii. CONNECT BLAU KABEL (PNEUMATIC VENTIL) TO POSITION NR.8
DEN BLUE KABEL (PNEUMATICVENTIL) KLEMMEN IN POSITION N.8
PŘIPOJIT MODRÝ VODIČ (PNEUMATICKÝ VENTIL) DO POZICE Č.8

iiii. MODUL AD04 - CONNECT BLACK KABEL TO POSITION NR.13 AND GREY KABEL TO POSITION NR.15
MODUL AD04 - DEN SCHWARC KABEL KLEMMEN IN POSITION N,13 UND GRAU KABEL KLEMMEN IN POSITION N.15
MODUL AD04 - PŘIPOJIT ČERNÝ VODIČ DO POZICE Č.13 A ŠEDÝ VODIČ DO POZICE Č.15

EN

Wiring diagram for gasification boiler for wood, coal and briquettes equipped with exhaust fan with build-in burner in upper doors DCxxS(X), DCxxRS, CxxS(T), ACxxS, KCxxS - Model from 2017 (2x AD03)



WHEN USE ELECTRONIC REGULATION ACD01 AND PELLETBURNER A25-45 MUST BE THESE CHANGES OF WIRING:
BEI DER STEUERUNG DES KESSELBETRIEBES DER ELEKTRONISCHE REGELUNG ACD01 UND PELLETBRENNER A25-45 MÜSSEN DIESE ÄNDERUNGEN MACHEN SEIN:
PŘI ZAPOJENÍ ELEKTRONICKÉHO REGULACE ACD01 A PELETOVÉHO HOŘÁKU A25-45 PROVEĎTE TYTO ZMĚNY:

- (A) VARIANTS OF RESERVOIR POINTS "REG L,N,PE" (FERRULE/FASTON 6,3) FOR ELECTRONIC REGULATION
  SPEISEKLEMMEVARIANTEN "REG L,N,PE" (ADERENDHÜLSE/FASTON 6,3) FÜR ELEKTRONISCHE REGELUNG
  VARIANTY NAPÁJECÍCH SVOREK "REG L,N,PE" (DUTINKA/FASTON 6,3) PRO ELEKTRONICKOU REGULACI
- (B) RESERVOIR POINT "L-PUMP" OF BOILER PUMP TO THE ELECTRONIC REGULATION
  SPEISEKLEMME "L-PUMP" DER KESSELPUMPE FÜR DIE ELEKTRONISCHE REGELUNG
  PŘÍPOJOVACÍ SVORKA "L-PUMP" KOTLOVÉHO ČERPADLA DO ELEKTRONICKÉ REGULACE
- (C) RESERVOIR POINT "L FAN-OUT" OF BOILER FAN TO THE ELECTRONIC REGULATION
  SPEISEKLEMME "L FAN-OUT" DER KESSELGEBLÄSE FÜR DIE ELEKTRONISCHE REGELUNG
  PŘÍPOJOVACÍ SVORKA "L FAN-OUT" KOTLOVÉHO VENTILÁTORU DO ELEKTRONICKÉ REGULACE
- (D) RESERVOIR POINT "L2-OUT" OF BURNER TO THE ELECTRONIC REGULATION
  SPEISEKLEMME "L2-OUT" DER BRENNER FÜR DIE ELEKTRONISCHE REGELUNG
  PŘÍPOJOVACÍ SVORKA "L2-OUT" HOŘÁKU DO ELEKTRONICKÉ REGULACE
- (E) RESERVOIR POINT "L FAN-IN" OF BOILER FAN TO THE ELECTRONIC REGULATION
  SPEISEKLEMME "L FAN-IN" DER KESSELGEBLÄSE FÜR DIE ELEKTRONISCHE REGELUNG
  PŘÍPOJOVACÍ SVORKA "L FAN-IN" KOTLOVÉHO VENTILÁTORU DO ELEKTRONICKÉ REGULACE
- (F) WHEN ELECTRONIC REGULATION CONTROL BURNER AND FAN - CONNECTORS "PT-C" AND "PT-1" MUST BE UNCONNECT
  DEN KONNEKTOREN "PT-C" UND "PT-1" ABKLEMMEN BEI DER BRENNERBEDIENUNG UND KESSELGÄBLEBEBEDIENUNG DER ELEKTRONIC REGELUNG
  KONEKTORY "PT-C" A "PT-1" ODPOJIT PŘI OVLÁDÁNÍ HOŘÁKU A VENTILÁTORU KOTLE ELEKTRONICKOU REGULACÍ
- (G) WHEN ELECTRONIC REGULATION CONTROL BOILER PUMP - CONNECTORS "ST-1C" AND "ST-12" MUST BE UNCONNECT
  DEN KONNEKTOREN "ST-1C" UND "ST-12" ABKLEMMEN BEI DER KESSELGÄBLEBEBEDIENUNG DER ELEKTRONIC REGELUNG
  KONEKTORY "ST-1C" A "ST-12" ODPOJIT PŘI OVLÁDÁNÍ VENTILÁTORU KOTLE ELEKTRONICKOU REGULACÍ
- (H) WHEN ELECTRONIC REGULATION CONTROL BOILER PUMP - CONNECTORS "ST-2C" AND "ST-22" MUST BE UNCONNECT
  DEN KONNEKTOREN "ST-2C" UND "ST-22" ABKLEMMEN BEI DER KESSELPUMPEBEDIENUNG DER ELEKTRONIC REGELUNG
  KONEKTORY "ST-2C" A "ST-22" ODPOJIT PŘI OVLÁDÁNÍ ČERPADLA KOTLE ELEKTRONICKOU REGULACÍ
- (I) WHEN ELECTRONIC REGULATION CONTROL BOILER FAN - CHANGE CONNECTOR "BT-L1" TO CONNECTOR "BT-L1 REG"
  DEN AUSWECHSELN KONNEKTOR "BT-L1" FÜR KONNEKT."BT-L1 REG" BEI DER KESSELGÄBLASE BEDIENUNG DER ELEKTRON. REGELUNG
  PŘEHODIT SVORKY "BT-L1" ZA "BT-L1 REG" PŘI OVLÁDÁNÍ KOTLOVÉHO VENTILÁTORU ELEKTRONICKOU REGULACÍ
- (J) MODUL AD03-1 FOR CONTROL BOILERFAN AND BOILERPUMP WITHOUT WASTEGAS THERMOSTAT IN POZITION 0-I
  MODUL AD03-1 FÜR BEDIENUNG KESSELGEBLÄSE UND KESSELPUMPE OHNE RAUCHGASTHERMOSTAT IN POZITION 0-II
  MODUL AD03-1 K OVLÁDÁNÍ VENTILÁTORU A ČERPADLA KOTLE BEZ SPALINOVÉHO TERMOSTATU V POZICI 0-II
- (K) WHEN ELECTRONIC REGULATION CONTROL BOILER PUMP - CONNECTORS "TČ95" MUST BE UNCONNECT
  DEN KONNEKTOREN "TČ95" ABKLEMMEN BEI DER KESSELPUMPEBEDIENUNG DER ELEKTRONIC REGELUNG
  KONEKTORY "TČ95" ODPOJIT PŘI OVLÁDÁNÍ ČERPADLA KOTLE ELEKTRONICKOU REGULACÍ
- (L) WHEN ELECTRONIC REGULATION CONTROL BOILER PUMP - CABEL "R2" MUST BE UNCONNECT FROM pos.5
  KABEL "R2" AUS poz.5 TRENNEN BEI DER KESSELPUMPEBEDIENUNG DER ELECTRONIC REGELUNG
  VODIČ "R2" ODPOJIT Z poz.5 PŘI OVLÁDÁNÍ ČERPADLA KOTLE ELEKTRONICKOU REGULACÍ
- (M) SENSOR "TK" FOR BURNER A25
  KESSEL WASSER FÜHLER "TK" FÜR BRENNER A25
  ČIDLO "TK" PRO HOŘÁK A25
- (N) RED CABLE "R2" FROM MODUL AD03-2 PUMP CONTROL FROM pos.11 TERMINALS DISCONNECT AND INSULATE = PUMP IS NOT CONTROL FROM BURNER
  ROT KABEL "R2" AUS MODUL AD03-2 PUMPEBEDIENUNG AUS poz.11 TRENNEN UND ISOLIEREN = - PUMPE NICHT VOM BRENNER GESTEUERT
  ČERVENÝ VODIČ "R2" Z MODULU AD03-2 K OVLÁDÁNÍ ČERPADLA Z poz.11 ODPOJIT A ZAIZOLOVAT = ČERPADLO NENÍ Z HOŘÁKU OVLÁDANO
- (O) MODUL AD03-2 FOR CONTROL BOILERFAN AND BOILERPUMP FROM BURNER A25
  MODUL AD03-2 FÜR BEDIENUNG KESSELGEBLÄSE UND KESSELPUMPE BEI DEM BRENNER A25
  MODUL AD03-2 K OVLÁDÁNÍ VENTILÁTORU A ČERPADLA KOTLE HOŘÁKEM A25
- (P) MODUL AD03 FOR CONTROL COMPRESSOR FROM BURNER A25/45
  MODUL AD03 FÜR BREMSKOMPRESSORBEDIENUNG BEI DEM BRENNER A25/45
  MODUL AD03 K OVLÁDÁNÍ KOMPRESORU HOŘÁKEM A25/45

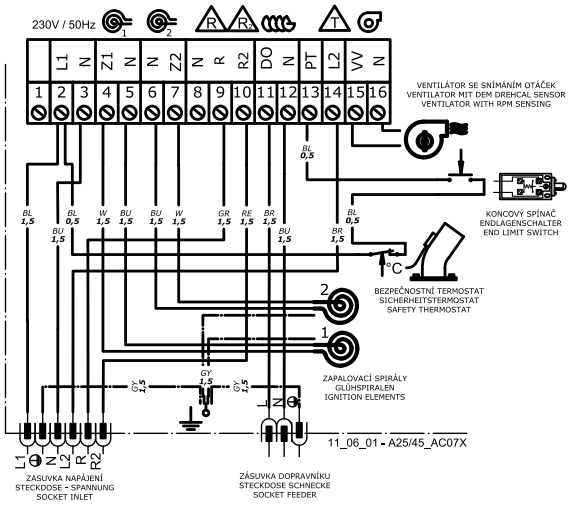
FOR BOILER:
FÜR KESSEL:
PRO KOTLE:

- CxxS HORAK
- ACxxS HORAK
- KCxxS HORAK
- DCxxS HORAK
- DCxxSX HORAK
- DCxxRS HORAK

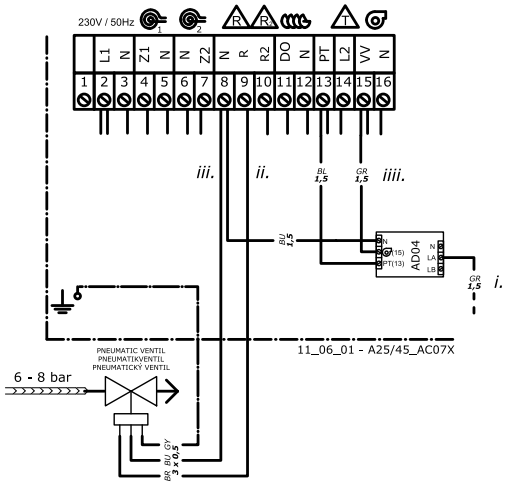
19-10-01_DCxxS_HORAK_2AD03_PUMP

INFO – when connecting the boiler with pneumatic burner cleaning the pump thermostat 70 °C is not normally disconnected. It serves to switch the pump in the boiler circle. Disconnection of the thermostat 70 °C is only possible if the additional thermostat is added on the outlet pipe from the boiler (set to 75 °C) and its parallel connection with the boiler flue gas thermostat.

ELECTRIC DIAGRAM OF BRENNER A25-45 BEFORE IN-BUILDING PNEUMATIC CLEARING
BRENNER A25-45 LEITUNGSSCHEMA VOR PENUMATICREINIGUNGMONTAGE
ELEKTRICKÉ SCHÉMA HOŘÁKU A25-45 PŘED VESTAVBOU PNEUMATICKÉHO ČIŠTĚNÍ



ELECTRIC DIAGRAM OF BRENNER A25-45 AFTER IN-BUILDING PNEUMATIC CLEARING
BRENNER A25-45 LEITUNGSSCHEMA DANN PNEUMATICREINIGUNGMONTAGE
ELEKTRICKÉ SCHÉMA HOŘÁKU A25-45 PO VESTAVBĚ PNEUMATICKÉHO ČIŠTĚNÍ



i. RECONNECT GRAY KABEL FROM POSITION NR.9 TO MODUL AD04-LA
DEN GRAU KABEL ABKLEMMEN AUS DEM POSITION N.9 ZU MODUL AD04-LA
PŘEPOJENÝ ŠEDÝ VODIČ Z POZICE Č.9 DO MODULU AD04-LA

ii. CONNECT BROWN KABEL (PNEUMATIC VENTIL) TO POSITION NR.9
DEN BRAUN KABEL (PNEUMATICVENTIL) KLEMMEN IN POSITION N.9
ZAPOJIT HNĚDÝ VODIČ (PNEUMATICKÝ VENTIL) DO POZICE Č.9

iii. CONNECT BLAU KABEL (PNEUMATIC VENTIL) TO POSITION NR.8
DEN BLUE KABEL (PNEUMATICVENTIL) KLEMMEN IN POSITION N.8
ZAPOJIT MODRÝ VODIČ (PNEUMATICKÝ VENTIL) DO POZICE Č.8

iiii. MODUL AD04 - CONNECT BLACK KABEL TO POSITION NR.13 AND GREY KABEL TO POSITION NR.15
MODUL AD04 - DEN SCHWARC KABEL KLEMMEN IN POSITION N.13 UND GRAU KABEL KLEMMEN IN POSITION N.15
MODUL AD04 - PŘIPOJIT ČERNÝ VODIČ DO POZICE Č.13 A ŠEDÝ VODIČ DO POZICE Č.15

19-10-01_DCxxS_HORAK_2AD03_A25-45-PNEU_AD03_AD04.sch

Connecting boiler exhast fan controls via special AD04 module built in to A25 or A45 pellet burner (not apply to DxxPX, PXxx)

INFO – The AD04 special module should be fitted onto the A25 or A45 pellet (except A25 burner for boilers DCxxGSP where the AD04 modul is already inbuild) burner only if the boiler is fitted with an exhaust fan. This module allows the boiler exhaust fan to be operated together with the burner fan regardless of its speed. This is managed without use of R or R2 reserves from the VV burner electronics terminal (15) (not apply to DxxPX, PXxx).
For DxxPX and PXxx boilers is the pump in boiler circuit and exhaust fan of the boiler controlled directly from the burner with reserves R and R2 - factory connection - never change.

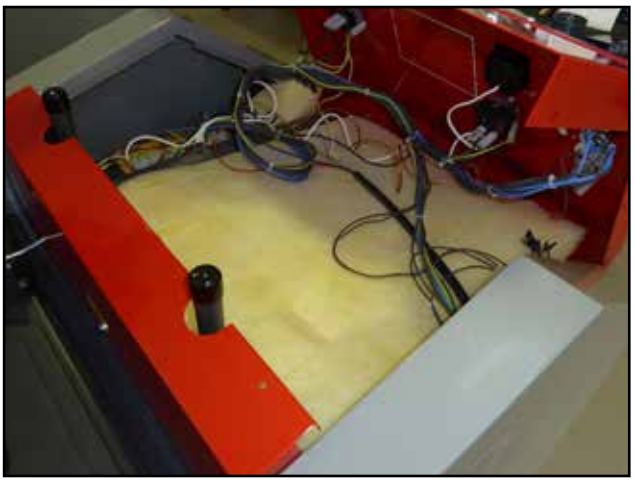
Insert the AD04 module to the lower section of the burner so it does not obstruct the suction of combustion air into the burner and connect it according to the previous diagrams (except the A25 burner for boilers DCxxGSP where the AD04 modul is already inbuild)

INFO - connect the **grey wire** previously disconnected from terminal R (9) to the AD04 module at LA position. If needed, the AD04 module can be affixed to the lower interior burner section (not apply to DxxPX, PXxx).

Affix the pellet burner to the appropriate boiler and fully tighten

Connect the connecting cable with a 6-pin connector on both ends between the burner and boiler

Adjusting and connecting wiring in boiler (not apply to DxxPX, PXxx)



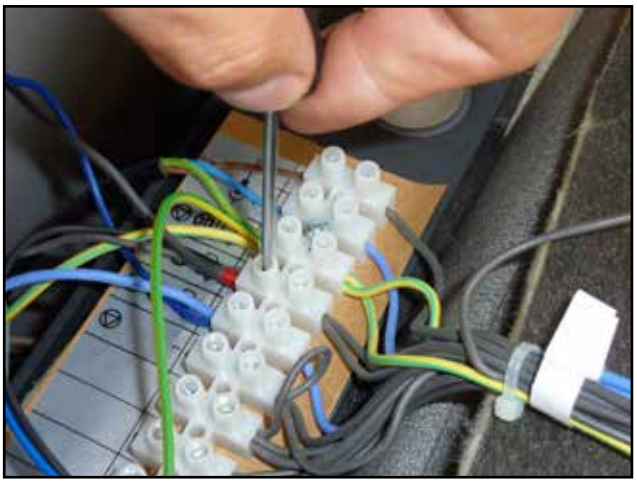
Remove the screws at the back of the boiler hood and take off the hood

WARNING – before performing this task, ensure the **boiler is disconnected from the electricity** (power connector on boiler hood disconnected).

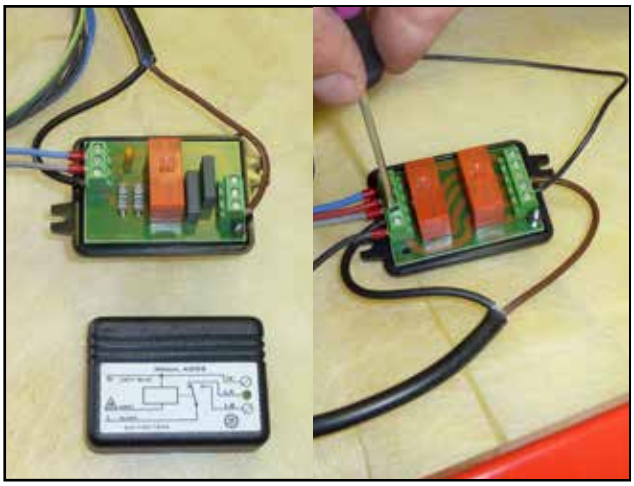
Connecting compressor control via AD02 or AD03 module built in to boiler. Connecting boiler exhaust fan control via AD03 module second terminal.

INFO - terminal R (9) on the **boiler terminal place** is used to communicate between the AD04 and AD03 module for controlling the boiler exhaust fan (except the A25 burner for boilers DCxxGSP), and terminal R2 (10) is used for controlling the compressor through the AD02 or AD03 module.specific boiler type to the boiler terminal plate (not apply to DxxPX, PXxx)

With the rear grommet, pull through the connecting cable ending on one side with two wires (black and brown) and on the other with a 3-pin connector (female) for connecting with the compressor and terminal for power supply to the compressor from the wall socket (not apply to DxxPX, PXxx)



Connect the wire leading from the AD02 or AD03 module according to the wiring diagram for the specific boiler type to the boiler terminal plate (not apply to DxxPX, PXxx)



Connect the wires (brown and black) from the connecting cable to the AD02 or AD03 module according to the wiring diagrame for the specific boiler type

Return the back section of the machine hood to its place and fix securely

INFO - Connect the black wire disconnected from the boiler terminal plate originally for connecting the exhaust fan **to the AD03 module to the LA terminal (not apply to DxxPX, PXxx).**

WARNING - for combined boilers for wood gasification and pellet burning **DC18SP, DC25SP, DC30SPX, DC32SP, C18SP, C25SP, KC25SP** don't forget to **insert the special clamp to the on-off switch** to ensure the exhause fan operates together with the pellet burner. **Without this clamp, the pneumatic burner cleaner should not be put into operation for these boilers.**

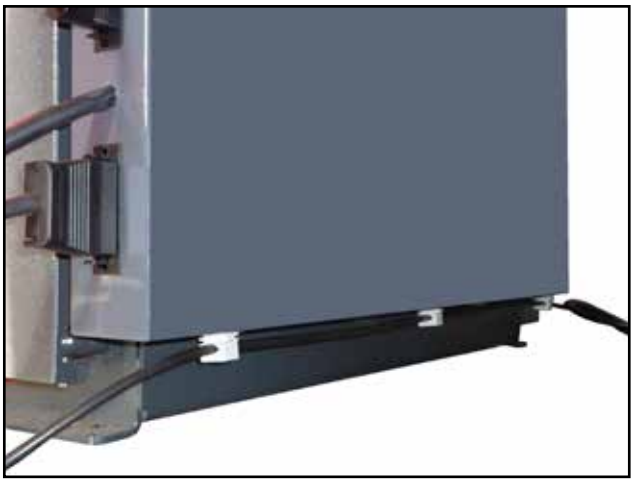
WARNING – When pneumatic cleaning is instaled on the A25/45 burner must be on boilers D20P, D30P, D31P, D40P, D50P, P20, P30, P31, P40, P50 **the phase fan connected to the point nr.12**

Compressor and solenoid valve (electrovalve) connection for boilers DxxPX, PXxx

Breaking out holes for bushings on the underside of the burner for DxxPX, PXxx boilers

Installation of bushings and cables pulling from the compressor and electrovalve to the burner for DxxPX, PXxx boilers

Connection of the compressor and solenoid valve (electrovalve) control to the AC07X-C additional module terminals for DxxPX and PXxx boilers, compressor - brown wire L to terminal R5 (1), black wire to the L terminal (2)
electrovalve - brown wire L to terminal R6 (6), blue wire to terminal N (3)



An example of fixing the connection during installation of pneumatic cleaning of the pellet burner (connection of the burner and compressor) for DxxPX and PXxx boilers

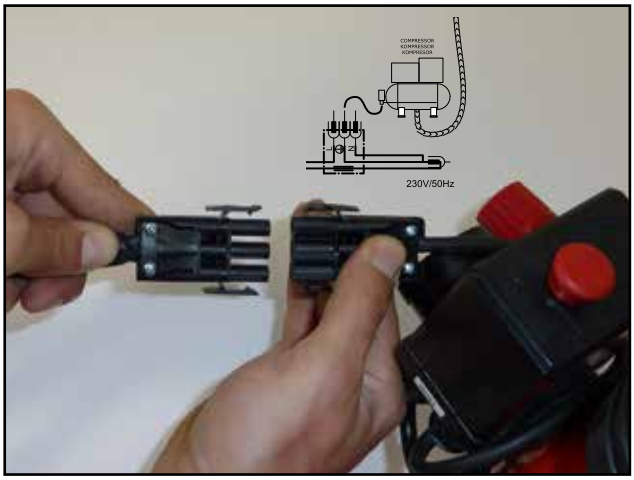
Connecting the compressed air system

Take the connecting tube, screw it to the compressor and tighten fully

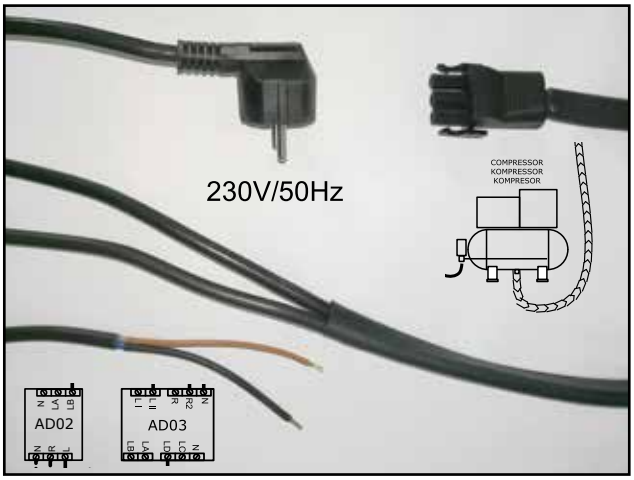
Take the other end of the connecting tube with the seal and carefully connect it to the complete screw fitting with solenoid

INFO – turn the solenoid with screw to a tight position so the tube isn't twisted and everything the set-up looks good, taking account of the position of the compressor in the boiler room.

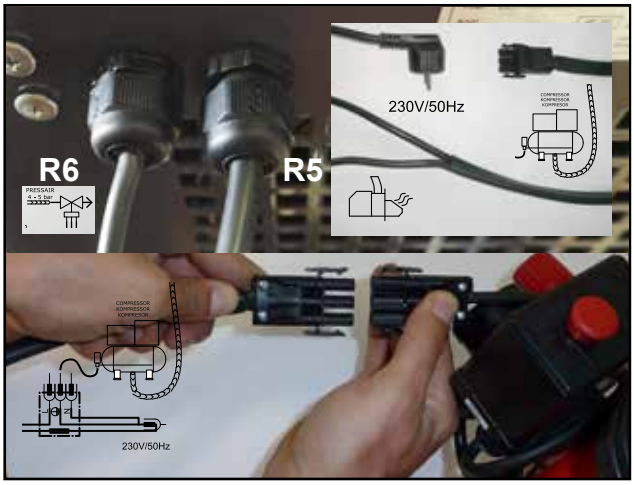
WARNING – the compressor and tube should be located **sufficiently far from any heat sources** to ensure they are not damaged.



Connect the connecting cable with 3-pin connector to the compressor



Connecting cable with 3-pin connector (female) between the compressor, boiler (module ACD02/03 and wall socket 230 V / 50 Hz



Zapojíme propojovací kabel s 3-PIN konektorem do kompresoru - version for DxxPX, PXxx boilers with burner bushings

*Connect the connecting cable to the wall socket, either directly or using a special timer with **8 A inductive load**.... code: S0090 (Note – cannot normally be bought in shops)*

WARNING – the compressor must never be powered directly from the boiler.

Photo of suction filter screwed onto compressor

Compressor set up beside boiler

INFO – the compressor is supplied assembled, but after final assembly you will need to **screw on the suction filter**. The suction filter channel must always lead downwards.
Clean the filter at least once a year (blow it out with compressed air).

5. Requirements for chimneys, flues and other boiler parts during operation with pneumatic burner cleaner

Chimney

All requirements are identical to the requirements detailed in the boiler operation manual.

Flue way duct

Principle requirements are identical to the requirements detailed in the boiler operation manual.

You should be aware, however, that during pneumatic cleaning of the burner, e**xpansion of compressed air takes place** in the burner and boiler combustion chamber. As such, you need to **secure the flue from falling out of the chimney** and falling from the boiler neck. The flue must be mechanically affixed to the boiler neck with a pin or screw. Similarly, other parts such as elbows or extensions should be **carefully secured** to each other at joints.

You should also ensure that **ash and dust is not blown out of flue duct joints between the boiler and chimney** during pneumatic cleaning. As such, all joints and flue outlets should be tightened with an aluminium strip, putty or other similar method.

Securing the flue duct with a screw

Tightening the flue with an aluminium tape

WARNING – When using draught limiter placed on the flue way between the boiler and the chimney is not permitted to use the type for the open double flap out of the flue way (explosive type) because of possible dusting into the boiler room. If required, install draught limiter into the cleaning hole at the foot of the chimney.

Tubing between burner and conveyor, pellet inlet pipe with rim

All **joints on the tube and pellet inlet pipe to the burner must be carefully tightened** so that no dust can fall from the pellets into the boiler space.

Flaps for combustion air intake

For DCxxSP(X), CxxSP, KCxxSP combined boilers and DxxP, Pxx boilers purely for pellets which allow the burning of pieces of wood in an emergency, you should ensure that all **apertures through which combustion air flows** in heating with wood **are closed during operation of burner with pneumatic cleaner.**

Closed flap for inflow of combustion air for DxxP, Pxx boiler

Tightened additional secondary air cap for DxxP, Pxx boiler

Closed flap for inflow of combustion air for DCxxSP(X), CxxSP, KCxxSP boilers - for models till 2018

Combustion air inlet for the boiler DCxxGSP closed automatically using Belimo actuator Boiler types DCxxSP(X) from year 2018

For gasification boilers for wood, coal and briquettes with an in-built burner in the upper doors DCxxS(X), DCxxRS, CxxS(T), ACxxS, KCxxS you need to **mount a closing mechanism** (valve) under the regulating FR24 flap with controlled draft regulator which you should close when burning pellets so that **no dirt can fall through the grille under the flap into the boiler space.** When burning wood, coal or briquettes, the flap is open.

Disassembling flap for combustion air inflow

Asesmbling valve under flap with grille

Closed valve and regulating flap when burning pellets

Open valve and regulating flap when burning with manually added fuel

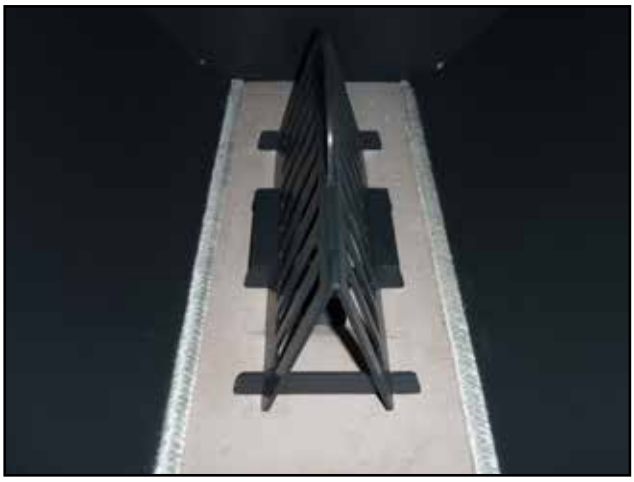
WARNING – **any other apertures on the boiler** which are used for taking out ash or cleaning the boiler **must be securely closed** so that dirt cannot escape into the boiler space.

INFO - Pneumatic burner cleaning is completely safe, since it is performed once the fuel has fully burnt. Nevertheless, do your utmost to ensure the boiler remains relatively clean.

Boiler exhaust fan, gasifier nozzle and gasifier grille

The boiler exhaust fan e**nsures suction pressure un the combustion chamber when operating a pellet burner.**
Its function is very important for boilers with in-built burners in upper doors **due to the narrower cross-sections in the gasifier nozzle and gasifier grille.**
In this case, the exhaust fan must be constantly running when the pellet burner pusher fan is running.

WARNING – for safety reasons, a special grille is supplied as an accessory in the set for boilers with in-built burners in upper doors, which prevents the blockage of gasifier nozzles and gasifier grille with ash clumps ejected from the pellet burner combustion chamber in pneumatic cleaning.



Positioning special grille for gasifier nozzle for DCxxS(X) boiler

Positioning special grille for gasifier nozzle for DCxxRS boiler

CxxS(T), ACxxS, KCxxS boiler gasifer grille without special additional grille

Affixing sticker with important information (ATTENTION – During burner operation with pneumatic cleaning...)

WARNING - remember **you must regularly check and clean the upper boiler chamber** so the flue gas outlet from the boiler is not blocked with particles and ash removed by pneumatic cleaning (gasifier nozzle, gasifier grille).

6. Setting up the pneumatic burner cleaner

If you want to operate the pneumatic burner cleaner system, its operation must be set up on the AC07X burner electronic regulation.

Basic presets can be done by changing the profile in menu **PARAMETERS** at version of the AC10 version 0.31 and higher. With the burner ATMOS A25 change the profile from the profile **A25 (GSP)** to profile **A25(GSP)pneu**. With the burner ATMOS A45 change the profile from the profile **A45** to profile **A45pneu**. In earlier program versions make the setting separately for each parameters. For DxxPX and PXxx boilers set A25PX pneu profile.
Exact setting make according to the pellet type, see the table on page 48 - 49.

INFO - in case of lower program version of the older burner is recommended to send the electronics in to the ATMOS company, where will be instaled latest program version for free (valid for AC07X). **In the case that in older burner is electronics AC07 with only one reserve output is necessary to exchanged this electronics for new type AC07X with two reserve outputs.**

WARNING - check and secure everything before operating the pneumatic burner cleaner so that everything is properly connected and secured according to the operation manual.

Setting parameters

• parameter T5 – Rundown time of the fan after the STOP command - for optimal burning out of pellets in the combustion chamber …(15 min) **- set to 25 - 35 min**

• parameter S6 – determines function of first **reserve R** - added output
The first reserve R is used most commonly for controlling the boiler exhaust fan (S6 = 4), but in this case we use it for controlling the solenoid which releases compressed air into the burner combustion chamber (not apply for DxxPX, PXxx **- do not change for this boilers**).

Set S6 = 16

• parameter S14 – determins function of second **reserve R2** - added output
The second reserve R2 is used most commonly for controlling the pump in the boiler circuit (S14 = 13), but in this case we use it to control the compressor via the AD02 or AD03 module (not apply for DxxPX, PXxx **- do not change for this boilers**).

Set S14 = 15

INFO - for standard setting when **parameter S1 is set to a value of 2**, you can connect an appliance of **maximum current 2.46 A (approx. 566 VA)** to R and R2 reserve terminals together.
When setting where **parameter S1 is set to a value of 4**, which means that at the start both ignition coils are run, you can connect an appliance of **maximum current 0.29 A (approx. 67 VA)** to R and R2 reserve terminals together.

To activate the function you need to set the specific times and working number of cycles after which the burner is cleaned. Values in brackets are set by the manufacturer!

• parameter S41 – is the function for automatic burner cleaning with compressed air after a specific number of working cycles (burn-out). The function assumes use of both reserve outputs (S6 = 16, S14 = 15 (S67 = 15, S68 = 16 in case of AC07X-C module)) – non-standard function… **(4)**

a) S41 = 1 to 9… function where burner cleaning will take place only once, and after the set number of cycles have run (1, 2, 3, 4, 5, 6, 7, 8, 9 – number of cycles)

b) S41 = 11 to 19… function where burner cleaning will take place always twice in a row after the set number of cycles have run (11 = 1, 12 = 2, 13 = 3, 14 = 4, 15 = 5, 16 = 6, 17 = 7, 18 = 8, 19 = 9 – number of cycles) (from 1. 4. 2013)

If parameter S41 = 0 or 10, the function is switched off.

• parameter S42 – is the function for automatic burner cleaning with compressed air after a specific period of operation time has passed (in one cycle). Once the subsequent working cycle has ended (burn-out), the burner tubing is cleaned. The function assumes use of both reserve outputs (S6 = 16, S14 = 15 (S67 = 15, S68 = 16 in case of AC07X-C module))
– non-standard function… **(6 hours)**
The value set is the actual time in hours.

• parameter S43 – is the function for automatic burner cleaning with compressed air after a specific period of operation time has passed. Once the set time has bassed, the burner immediately burns out (AUTOSTOP), it is cleaned and once again run. If required at all requirements for START are met. (regardless of S41 and S42 parameters). The function assumes use of both reserve outputs (S6 = 16, S14 = 15 (S67 = 15, S68 = 16 in case of AC07X-C module)) – non-standard function… **(12 hours)**
This is the sum of operating hours of all completed cycles.
The value set is the actual time in hours.

• parameter S44 – is the function for the compressor for automatic burner cleaning with compressed air where this parameter sets the period the compressor is run for so that a sufficient amount of compressed air is ready (pressure, function S6 = 16) – non-standard function… **(2 min)**
The value set is the actual time in minutes.

• parameter S45 – is the function for the solenoid for automatic burner cleaning with compressed air where this parameter sets the period the solenoid is open to ensure perfect cleaning of burner combustion chambers (function S14 = 15) – non-standard function… **(1 s)**
The value set is the actual time in seconds. Never set a lower value than 1 s.

• parameter S58 – characterizes the amount of compressed air for the first pre-cleaning of the burner when installing pneumatic cleaning the burner. This is the time at which the partial filling compressor air tank for pre-cleaning of the burner ... **(6 s) - standardly do not change**

• **Parameter S67** - characterizes function of **R5 reserve** output similar with S6 and S14 parameters with instaled AC07X-C additional module. Primary is this reserve used to control air pump for pellet burner pneumatic ash cleaning system S67 = 15.
Function is only for DxxPX (PXxx) boilers or burners equiped with additional module AC07X-C, burner profile A25PX (A25PX pneu)..... **(0)**

Set S67 = 15

• **Parameter S68** - characterizes function of **R6 reserve** output similar with S6 and S14 parameters with instaled AC07X-C additional module. Primary is this reserve used to control air pump for pellet burner pneumatic ash cleaning system S68 = 16.
Function is only for DxxPX (PXxx) boilers or burners equiped with additional module AC07X-C, burner profile A25PX (A25PX pneu)..... **(0)**

Set S68 = 16

Recommended parameter settings according to the quality of pellets - not apply for DxxPX, PXxx

Pellet type and quality	T5	S6	S14	S41	S42	S43	S44	S45
Quality white pellets without bark which do not form ash clumps	**25**	**16**	**15**	**8**	**24**	**32**	**1 ***	**1**
Wooden pellets with small amount of bark which create ash clumps in about a week	**25**	**16**	**15**	**8**	**24**	**32**	**1 ***	**1**
Wooden pellets with large amount of bark, where ash clumps have to be removed once a day	**25**	**16**	**15**	**4**	**6**	**12**	**1 ***	**1**
Wooden pellets of worst quality where high ash clumps are created after two to three hours operation	**25**	**16**	**15**	**1**	**2**	**3**	**1 ***	**1**
Pneumatic cleaning setting when using weekly timer	**25**	**16**	**15**	**1**	**4**	**5**	**1 ***	**1**
When connection of the pneumatic cleaning of the burner with the original or other compressor (up to 10 l air tank) set S58 = 6 s. When connection to a central compressed air distribution with pressure reducing valve and air tank up to 10 l set S58 = 1 s.								

*** Applies for the supplied compressor that is part of the set.**

Recommended parameter settings according to the quality of pellets - for boilers DxxPX, PXxx

Pellet type and quality	T5	S6	S14	S41	S42	S43	S44	S45	S67	S68
Quality white pellets without bark which do not form ash clumps	**25**	**3**	**12**	**8**	**24**	**32**	**1 ***	**1**	**15**	**16**
Wooden pellets with small amount of bark which create ash clumps in about a week	**25**	**3**	**12**	**8**	**24**	**32**	**1 ***	**1**	**15**	**16**
Wooden pellets with large amount of bark, where ash clumps have to be removed once a day	**25**	**3**	**12**	**4**	**6**	**12**	**1 ***	**1**	**15**	**16**
Wooden pellets of worst quality where high ash clumps are created after two to three hours operation	**25**	**3**	**12**	**1**	**2**	**3**	**1 ***	**1**	**15**	**16**
Pneumatic cleaning setting when using weekly timer	**25**	**3**	**12**	**1**	**4**	**5**	**1 ***	**1**	**15**	**16**
When connection of the pneumatic cleaning of the burner with the original or other compressor (up to 10 l air tank) set S58 = 6 s. When connection to a central compressed air distribution with pressure reducing valve and air tank up to 10 l set S58 = 1 s.										

*** Applies for the supplied compressor that is part of the set.**

INFO - You should note the optimal pressure with which the burner should be cleaned. For the compressor which is supplied as part of the set, it is set to 5 – 8 bar (500 - 800 kPa). When connecting your own compressor or to a central compressed air system, **set initial pressure to 5 bar (500 kPa).**

WARNING – if you use the **special 8 A weekly timer** for directly control of the compressor according to time (note – cannot normally be bought in shops), parameter **S41 must always be set at 1 (S41 = 1).** Set other parameters according to the final table row. On the timer, set which times it is allowed (forbidden) to use the pneumatic cleaner, e.g. at night. **You cannot forbid pneumatic cleaner operation in one go for periods greater than 12 hours.**

WARNING - The timer cannot be used if you want to burn pellets with a large amount of bark and dirt, as the combustion chamber has to be cleaned more often than once a day.

WARNING - to regulate and set the optimal amount of compressed air for pneumatic cleaning of the burner, **never use the solenoid opening time** which is directly set on the burner **(never change S45 parameter).**

7. Maintenance and cleaning of burner with combustion chamber pneumatic cleaner

Basic maintenance and cleaning of the pellet burner is described in the manual for the specific boiler and pellet burner. We want to draw attention to the most important points however!

INFO - Pneumatic cleaning of the burner significantly extends the period between combustion chamber cleanings and reduces boiler heat exchanger clogging (tube sheet). Nevertheless, the burner should be regularly checked and cleaned when necessary.

Cleaning the burner combustion chamber, specifically cleaning the aperture for combustion air inflow is undertaken **in dependence on the pellet quality and amount of additions in the pellets such as starch, cornflour and various wood glues.** These substances make **apertures for combustion air inflow grow, especially from the bottom of the combustion chamber.** The interval between combustion chamber cleanings is generally between 7 days and 4 months.

Slightly clogged apertures in combustion chamber after 4 months of use

Example of cleaning the combustion chamber

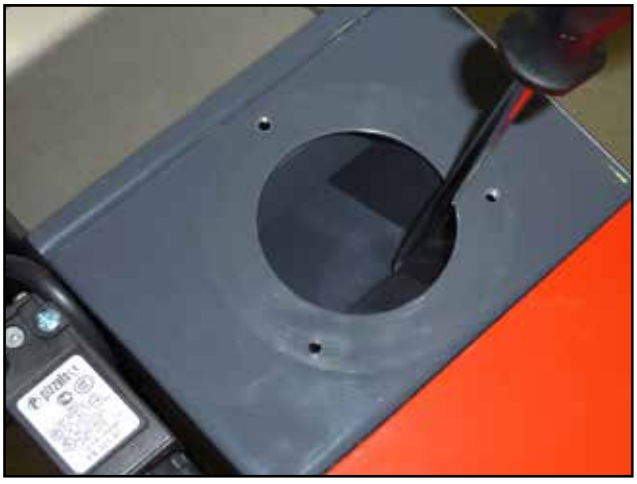
Cleaning of the channels for compressed air inflow to the combustion chamber is undertaken in dependence on the quality of pellets from once a month to once every 4 months.

Slight clogging after 4 months of use

Example of cleaning the front part of the compressed air inflow channel

Cleaning the burner interior space located under the pellet inlet tube to the burner is undertaken in dependence on tha mount of dust in the pellets, from once a month to once a season.

Clogging after 3 months use with crushed pellets with large amount of dust



Example of cleaning the space under the pellet inlet tube

As needed, but at least **once a season** blow out (vacuum up) space inside the burner.

WARNING - electronic unit AC07X never cleaned mechanically.

Example of cleaning (blow out) space inside the burner. (without power!)
Caution of possible condensate from the compressed air source

Example of cleaning (blow out) pressure fan impeller of the burner once a season

!POZOR - ATTENTION - ACHTUNG!

Při provozu hořáku s pneumatickým čištěním je zakázáno otevírat jakákoliv dvířka nebo víčka bez vypnutí hlavního vypínače na kotli.

During burner operation with pneumatic cleaning is forbidden to open any doors or lids without turning off the main switch on the boiler.

Während Betrieb des Brenners mit pneumatischer Reinigung ist verboten die Tür oder Deckel zu öffnen - ohne Ausschalten des Hauptschalters am Kessel.

Important warning stuck on boiler hood

Compressor maintenance, specifically checking the amount of oil, is undertaken **once to twice a year** for oil-filled compressor variant.
The oil-free version of the compressor does not require checking the oil level.

In addition, depending on dust level in the boiler room **the compressor filter is cleaned once to twice a year** (blow it out with compressed air)
If the compressor is located in a very dusty environment, according to need.
Also once a year, check all tubing and connections so as no compressed air can escape.

WARNING - The air receiver (compressed air container) is a pressuried container and must be regularly checked with regular services carried out on it in accordance with the law in force in your country.

Checking oil levels in compressor

Cleaning compressor filter

WARRANTY PROVISIONS

A25/A45 pneumatic burner cleaner

1. If you observe the method of use, operation and maintenance of this product described in this manual, we guarantee that the product will keep the properties described by relevant technical standards and conditions over the whole warranty period, this being within 24 months from the day of receipt of the appliance, and a max. 32 months from the date of sale of the product by the sales representative.

2. If a fault occurs with the product during the warranty period which was not caused by the user, the product will be repaired under the warranty free of charge for the customer.

3. The warranty period is extended by the time over which the product is repaired under warranty.

4. Repairs undertaken during the warranty period are claimed by the customer using our service operations.

5. The product warranty is only recognised where the equipment is assembled by a qualified person in accordance with standards in force and the operation manual. A requirement for any warranty to be recognised is the details on the company which performed the assembly being legibly and fully completed. If the product is damaged through poor assembly, costs associated will be borne by the company which performed the assembly.

6. The purchaser has been demonstrably informed of the use and operation of the product.

7. Repairs undertaken after the warranty period ends are also claimed by the customer using our service operations. In this case, the customer pays the cost of repair himself.

8. The user is required to observe the instructions in the Operation and Maintenance Manual. If the customer does not follow the Operation and Maintenance Manual instructions, is careless, or handles the product incorrectly, the warranty is void and the customer is required to pay for any repairs resulting from damage.

Warranty and post-warranty repairs are performed by:
- the company representing ATMOS in your country for your region
- the assembly company which installed the product
- Jaroslav Cankař a syn ATMOS,
Velenského 487, 294 21 Bělá pod Bezdězem, Česká republika, Tel. +420 326 701 404