



ATMOS

BOILERS AND BURNERS FOR BURNING PELLETS

(prices valid from 1st June 2022)

1. Gasification boilers originally for wood with modification for pellet burner in upper doors

	power output range pellets	class	Price without VAT [CZK] boiler price without burner
DC 18 S with modification for burner	6 - 20 kW	5	64.800,-
DC 25 S with modification for burner	7 - 24 kW	5	71.400,-
DC 30 SX with modification for burner	7 - 24 kW	5	73.500,-
DC 32 S with modification for burner	7 - 24 kW	5	79.000,-
DC 50 S with modification for burner (burner ATMOS A45 is intended for this boiler)	13,5 - 45 kW	5	93.500,-



2. Gasification boilers originally for lignite and lignite briquettes with modification for pellet burner in upper doors

	power output range pellets	class	Price without VAT [CZK] boiler price without burner
C 15 S with modification for burner	3 - 12 kW	5	62.300,-
C 18 S with modification for burner	6 - 20 kW	5	64.500,-
C 25 ST with modification for burner	7 - 24 kW	5	76.100,-
C 32 ST with modification for burner	7 - 24 kW	5	81.800,-
AC 25 S with modification for burner	6 - 20 kW	5	67.500,-



Model of boilers with modification (from boiler serial number 327 700) are equipped: 2x module AD03, changeover switch, boiler temperature sensor TK - (KTF 20), TV and TS (2x KTF20 - 5 m) sensors, pump thermostat - 70 °C, output for the pump in boiler circuit.

For boilers with modification for pellet burner use conveyor with minimal lenght 2 m.

Gasification boilers ATMOS with modification for pellet burner A25/A45 can be ordered directly from the manufacturer in the left or right-hand version.

For DCxxS-SX a CxxS-ST boilers is appropriate pellet burners

type	output range	code	Price without VAT [CZK]
ATMOS A25	4,5 - 24 kW	H0014	24.200,-
ATMOS A45	8,5 - 49 kW	H0015	33.900,-






The burner ATMOS A25/45 are specifed to burn only good quality white pellets made of soft wood without bark Ø 6 - 8 mm, lenght 10 - 25 mm with heating power 16 - 19 MJ.kg⁻¹. The advantage of this burner is automatic ignition pellets by ignition spiral which fires up the pellet when ever is needed. The burner and boiler work for maximum output with efficiency 85 - 90 % and with the best quality of burning. The burners are not suitable to burn biomass or dark pellets which can cause clinkering.

Old gasification boiler upper door pellet burner build in set

door type	code	version	Price without VAT [CZK]
right version - burner A25	S0532	- old version with AD02	7.900,-
left version - burner A25	S0533	- old version with AD02	7.900,-
right version - burner A45	S0624	- old version with AD02	9.500,-
left version - burner A45	S0625	- old version with AD02	9.500,-
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right version - burner A25	S1222	- boiler Model 2017-2022 (2x AD03)	10.500,-
left version - burner A25	S1223	- boiler Model 2017-2022 (2x AD03)	10.500,-
right version - burner A45	S1224	- boiler Model 2017-2022 (2x AD03)	12.500,-
left version - burner A45	S1225	- boiler Model 2017-2022 (2x AD03)	12.500,-

The additional modification can be made only for boilers equipped with exhaust fan with output up to 40/50 kW (except DCxxGS, DCxxGD type).

3. Pellet boilers - ATMOS D14P · D21P · D25P

	power output range <i>pellets</i>	class	Price without VAT [CZK] <i>boiler price without burner</i>
D 14 P	4 - 14 kW	5 	54.100,-
D 21 P	4 - 19,5 kW	5 	55.200,-
D 25 P	7 - 24 kW	5 	59.100,-



D14P, D21P and D25P boilers do not allow wood burning.

D14P, D21P and D25P boilers are supplied with two KTF20 - 5 m (TV and TS) sensors.

D14P, D21P and D25P boilers are supplied **without burner**.

For ATMOS D14P · D21P · D25P boilers is appropriate pellet burners

type	output range	code	Price without VAT [CZK]
ATMOS A25	4,5 - 24 kW	H0014	24.200,-

The burner ATMOS A25 is specfied to burn only good quality white pellets made of soft wood without bark Ø 6 - 8 mm, lenght 10 - 25 mm with heating power 16 - 19 MJ.kg⁻¹.

The advantage of this burner is automatic ignition pellets by ignition spiral which fires up the pellet when ever is needed. The burner and boiler work for **maximum output with efficiency 85 - 90 %** and with the best quality of burning. Unlike the competitive products which can not automatically ignite and they only keep a hot layer which causes operation for lower output with a low waste gas temperature below 100 °C. Such opeation causes condensation of tar and acids in the burning chamber and chimney, lower effectivity, higher consumption, lower quality of burning, higher emissions and more often cleaning. By our products we clean the ash from the boiler in 7 - 30 days depending on type of fuel and output of the boiler.

The burners are not suitable to burn biomass or dark pellets which can cause clinkering. In the case of burning dark (bark) pellets, we lose the comfort of heating and it is necessary to clean the combustion chamber of the burner once every 1 - 3 days or to equip the burner with pneumatic cleaning of the combustion chamber.







4. Pellet boilers - ATMOS D10PX · D15PX · D20PX · D25PX

power output range
pellets

class

Price without VAT [CZK]
boiler price **with burner**

D 10 PX	3 - 10 kW	5		93.100,-
D 15 PX	4,5 - 15 kW	5		99.800,-
D 20 PX	4,5 - 20 kW	5		101.400,-
D 25 PX	4,5 - 24 kW	5		108.500,-






D10PX, D15PX, D20PX and D25PX boilers are **DELIVERED AS A COMPLETE DEVICE** with ATMOS A25 pellet burner, conveyor and pellet silo with volume **65 l** (D10PX) / **175 l** (D15PX, D20PX) / **215 l** (D25PX). Boilers are supplied with all necessary sensors, inclusive of two KTF20 - 5 m (TV and TS) sensors..

5. Pellet boilers - ATMOS D14P · D21P · D25P Compact with piping and burner

power output range
pellets

class

Price without VAT [CZK]
boiler price **with burner and installation**

D 14 P Compact	4 - 14 kW	5		110.500,-
D 21 P Compact	4 - 19,5 kW	5		111.400,-
D 25 P Compact	7 - 24 kW	5		115.300,-



D14P, D21P and D25P Compact boilers do not allow wood burning.

D14P, D21P and D25P Compact boilers are supplied **with burner** and two KTF20 - 5 m (TV and TS) sensors.

DxxP Compact boilers are delivered in a set of boiler with professional stainless steel piping installation (for 1 boiler circuit with thermoregulating valve 70 °C and 1 heating circuit with 3 way mixing valve without actuator). The set includes pellet burner ATMOS A25. The customer only buys recommended pellet tank with conveyor. In case of more complex heating systems it is possible to upgrade up to 2 or 3 heating circuits by buying special manifolds and necessary circulation units. Company ESBE made for this purposes special circulation units for company ATMOS with stronger pump and bigger dimension of armatures.

Special accessories for installation of boiler with special price

type of the accessories

code Price without VAT [CZK]

Manifolds

ATMOS/ESBE GMA 321 two circuits - 1" spacing 90 mm	P0506	3.554,-
ATMOS/ESBE GMA 331 three circuits - 1" spacing 90 mm	P0507	4.463,-

Circulation units

ATMOS/ESBE GDA 311 direct - 1" spacing 90 mm (DHW boiler)	P0503	6.322,-
ATMOS/ESBE GFA 311 thermostatic 20 - 55 °C - 1" spacing 90 mm (underfloor h.)	P0504	7.769,-
ATMOS/ESBE GRA 311 mixing without actuator - 1" spacing 90 mm	P0533	7.810,-
ATMOS/ESBE GRA 311 mixing with actuator 120 s - 1" spacing 90 mm	P0505	9.669,-

6. DCxxSP(X) - Combi wood gasification boilers in combination with pellet burner (manual / automatic fuel stoking)

power output range class Price without VAT [CZK]
wood / pellets boiler price without burner

DC 18 SP	20 / 4,5 - 15 kW	5		94.000,-
DC 25 SP	27 / 6 - 20 kW	5		107.400,-
DC 30 SPX	30 / 6 - 20 kW	5		108.400,-
DC 32 SP	35 / 6 - 20 kW	5		119.800,-



DCxxSP(X) boilers are supplied **without burner**.

DCxxSP(X) boilers and burners are equipped with the function of automatic closing or opening of the air supply to the boiler/burner (using the actuator) when hearing with wood or pellets.

The boilers are equipped with an **AGF2** flue gas sensor and a **KTF20** boiler water temperature sensor for function of automatic burner start after the wood burns out. Than the boilers are equipped with **two KTF20 sensors (TV and TS)** for controlling the burner with two temperatures on the accumulation tank. The whole set is sold in the **maximum range**, for fully **automatic mode** and **simple plug and play installation**.

For DCxxSP(X) boilers is appropriate pellet burner

type output range code Price without VAT [CZK]

ATMOS A25	4,5 - 24 kW	H0048	28.900,-
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Burners for DCxxSP(X) boilers are equipped with the function of automatic closing or opening of the air supply to the burner using the actuator by the boiler operation mode.

The burner ATMOS A25 are specified to burn only good quality white pellets made of soft wood without bark Ø 6 - 8 mm, lenght 10 - 25 mm with heating power 16 - 19 MJ.kg⁻¹. The advantage of this burner is automatic ignition pellets by ignition spiral which fires up the pellet when ever is needed.



These conveyors are designed for all variants of the ATMOS A25 burner

type of the accessories code Price without VAT [CZK]

Auger pellet conveyor DA1500 with lenght 1,5 m, Ø 75 mm (gearbox 25 W)	H0151	10.200,-
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This conveyor is specified only for boilers where the burner is on the sides
- D14P, D21P, D25P, D15P, D20P, DCxxSP(X), CxxSP

This conveyor is not intended for boilers with modification for pellet burner.

Auger pellet conveyor DA2000 with lenght 2 m, Ø 75 mm (gearbox 25 W)	H0207	12.600,-
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This conveyor is specified for gasification boilers with burner in upper doors.
- DCxxS(X), DCxxRS, DCxxSP(X), CxxSP, CxxS(T), ACxxS. You can use them allso for standart pellet boilers DxxP.

Auger pellet conveyor DA2500 with lenght 2,5 m, Ø 75 mm (gearbox 25 W)	H0208	15.100,-
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Auger pellet conveyor DA3000 with lenght 3 m, Ø 75 mm (gearbox 40 W)	H0209	19.800,-
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Auger pellet conveyor DA4000 with lenght 4 m, Ø 75 mm (gearbox 40 W)	H0212	20.700,-
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This conveyor is specifed for all pellet boilers ATMOS, when the pellet silo is in bigger distance from the boiler.





The length of the conveyor must be chosen that the hose between the burner and conveyor is tightened and have lenght at least 20 cm (ideally 30 - 60 cm) for safety reasons. The maximum length of the hose should not exceed 1 m. Every conveyor is delivered with a support leg. The length of the leg should be set that the angle of the conveyor should be maximum 45° and the hose is tightened.

7. Pellet boilers - ATMOS D20P · D30P · D40P · D50P

power output range
pellets

class

Price without VAT [CZK]
boiler price without burner

D 20 P	6,5 - 22 kW	5		71.400,-
D 30 P	8,9 - 29,8 kW	5		78.500,-
D 40 P	8,9 - 40 kW	5		79.800,-
D 50 P	13,5 - 45 kW	5		92.200,-



D20P, D30P, D40P, D50P boilers are supplied with boiler temperatur KTF20 - 2 m (TK) sensor, with two KTF20 - 5 m (TV and TS) sensors and AD03 module for control of exhaust fan of the boiler and pump in boiler circuit. D30P, D40P and D50P boilers are supplied without burner.

For ATMOS D20P · D30P · D40P · D50P boilers is appropriate pellet burner

type	output range	code	Price without VAT [CZK]
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ATMOS A25	4,5 - 24 kW	H0014	24.200,-
<i>(this burner is appropriate for D20P boiler)</i>			

ATMOS A45	8,5 - 49 kW	H0015	33.900,-
<i>(this burner is appropriate for D30P, D40P, D50P boilers)</i>			



The burner ATMOS A25 and A45 are specided to burn only good quality white pellets made of soft wood without bark Ø 6 - 8 mm, lenght 10 - 25 mm with heating power 16 - 19 MJ.kg⁻¹.

The advantage of this burner is automatic ignition pellets by ignition spiral which fires up the pellet when ever is needed. The burner and boiler work for **maximum output with efficiency 85 - 90 %** and with the best quality of burning. Unlike the competitive products which can not automatically ignite and they only keep a hot layer which causes operation for lower output with a low waste gas temperature below 100 °C. Such opeation causes condensation of tar and acids in the burning chamber and chimney, lower effectivity, higher consumption, lower quality of burning, higher emissions and more often cleaning. By our products we clean the ash from the boiler in 7 - 30 days depending on type of fuel and output of the boiler.

The burners are not suitable to burn biomass or dark pellets which can cause clinkering. In the case of burning dark (bark) pellets, we lose the comfort of heating and it is necessary to clean the combustion chamber of the burner once every 1 - 3 days or to equip the burner with pneumatic cleaning of the combustion chamber.



D50P boiler in boiler room



Pellet boiler connection with buffer tank

8. Pellet boiler - ATMOS D85P

power output range class
pellets

Price without VAT [CZK]
boiler price without burner

D 85 P

24 - 80 kW

5



181.500,-

The new D85P boiler is fully equipped with everything you need in the base. Automatic ash removal from the combustion chamber and rear heat exchanger, additional ashtray with a volume of 160 l, pneumatic cleaning of the rear tube heat exchanger.

For prescribe installation of boiler with buffer tank the boilers are supplied with two KTF20 - 5 m (TV and TS) sensors and with boiler temperatur KTF20 - 2 m (TK) sensor.

D85P boiler do not allow wood burning.

D85P boiler is supplied **without burner**.



For ATMOS D85P boiler is appropriate pellet burner

type	output range	code	Price without VAT [CZK]
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ATMOS A85

24 - 80 kW

H0033

67.500,-

The burner AT MOS A85 is specified to burn only good quality white pellets made of soft wood without bark diamter 6 - 8 mm, lenght 10 - 25 mm with heating power 16 - 19 MJ.kg⁻¹. The advantage of this burner is automatic ignition pellets by ignition spiral which fires up the pellet when ever is needed.

The burner is standardly supplied with pneumatic air pressure ash cleaning system which regularly after burning period cleans the burning chamber of the burner. Due to this system the burning chamber does not need to be checked so often. The customer can check it once per 14 days to 1 month.

Burner A85 contains the same features as smaller burners ATMOS A25 and A45. The boiler D80P with burner A85 must always be installed with a buffer tank of minimal volume 1000 l. In such system we use program of the burner controlling it in accordance with two temperatures (sensors) on the buffer tank.



These conveyors are designed for the ATMOS A45 and A85 burners

type of the accessories	code	Price without VAT [CZK]
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Auger pellet conveyor with shaft DRA 50

H0039

16.500,-

lenght 1,7 m and diameter 80 mm (gearbox 40 W)

Auger pellet conveyor with shaft DRA 50

H0037

18.100,-

lenght 2,5 m and diameter 80 mm (gearbox 40 W)

Auger pellet conveyor with shaft DRA 50

H0004

25.300,-

lenght 4 m and diameter 80 mm (gearbox 40 W)

Auger pellet conveyor with shaft DRA 50

H0005

27.900,-

lenght 5 m and diameter 80 mm (gearbox 40 W)

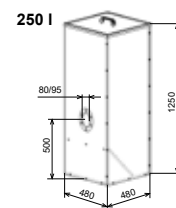
The length of the conveyor must be chosen that the hose between the burner and conveyor is tightened and have lenght at least 20 cm (ideally 30 - 60 cm) for safety reasons. The maximum length of the hose should not exceed 1 m. Every conveyor is delivered with a support leg. The length of the leg should be set that the angle of the conveyor should be maximum 45° and the hose is tightened.

Pellet tanks

type	capacity	code	Price without VAT [CZK]
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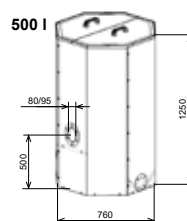
Pellet tank	250 l	H0204 - red H0214 - blue	7.400,-
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The smallest tank suitable for boilers with output up to 25 kW for smaller boiler-rooms where we can not use bigger silo types. It contains 163 kg of pellets which means approximately 730 kWh.



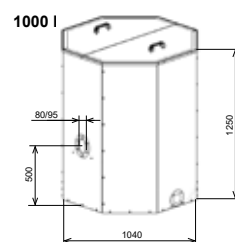
Pellet tank	500 l	H0201 - red H0202 - blue	9.850,-
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The middle size tank suitable for boilers with output up to 35 kW. It contains 325 kg of pellets which means approximately 1463 kWh.



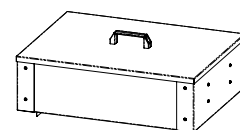
Pellet tank	1000 l	H0047 - red H0046 - blue	12.900,-
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The biggest size tank suitable for boilers with output up to 50 kW. It contains 650 kg of pellets which means approximately 2925 kWh.



Extension for volume increasing of pellet reservoir for boilers DxxPX

Extension with hight 200 mm (45 l) D10PX	S1343	5.800,-
Extension with hight 300 mm (68 l) D10PX	S1344	6.500,-
Extension with hight 200 mm (65 l) D15PX, D20PX	S1233	5.800,-
Extension with hight 300 mm (95 l) D15PX, D20PX	S1234	6.500,-
Extension with hight 200 mm (90 l) D25PX	S1315	6.400,-
Extension with hight 300 mm (135 l) D25PX	S1316	7.400,-



Sample configuration for building heat loss 12 - 24 kW

type of device	specification	Price without VAT [CZK]
Boiler - D 21 P	4 - 19,5 kW	55.200,-
Burner - ATMOS A25	4 - 24 kW	24.200,-
Auger pellet conveyor DA1500 with lenght 1,5 m and Ø 75 mm		10.200,-
Pellet tank	500 l	9.850,-
Complete price		99.450,-
Boiler - DC 18 S with modification for burner	20 / 6 - 20 kW	64.800,-
Burner - ATMOS A25	4,5 - 24 kW	24.200,-
Auger pellet conveyor DA2000 with lenght 2 m and Ø 75 mm		12.600,-
Pellet tank	500 l	9.850,-
Complete price		111.450,-

To the price of the sample configuration is of course necessary to add the cost of the boiler installation and necessary material, such as pumps, mixing valves, pipes, etc... The price for installing set plumbing company, under the specific conditions at the customer.

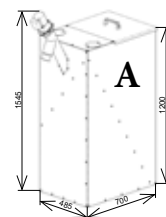
We recommend that you always **connect boiler with buffer (accumulation) tank with a volume of 500 to 1000 liters and use the functions of two TV and TS sensors**, which will save fuel, electricity and increase the life of the pellet burner. For additional fuel savings (up to 20 %) and correctly charging the buffer tank, use a specially developed control ATMOS ACD 03/04.

Compact pellet tanks with conveyor

set	code	Price without VAT [CZK]
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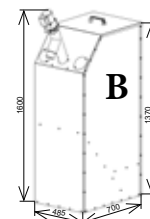
A - Set AZPD is intended for DxxP, DCxxSP, CxxSP pellet boilers

Set AZPD 240 R (red) H0283	20.900,-
with conveyor DRA25 - 1,3 m (gearbox 25 W)	
Set AZPD 240 B (blue) H0284	20.900,-
with conveyor DRA25 - 1,3 m (gearbox 25 W)	



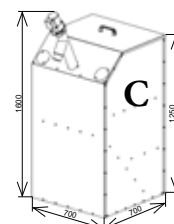
B - Set AZPD is intended for DxxP, DCxxSP, CxxSP pellet boilers

Set AZPD 300 R Design (red) H0321	22.800,-
with conveyor DRA25 - 1,3 m (gearbox 25 W)	
Set AZPD 300 B Design (blue) H0322	22.800,-
with conveyor DRA25 - 1,3 m (gearbox 25 W)	



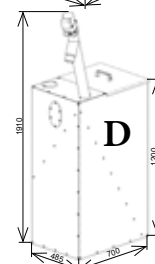
C - Set AZPD is intended for DxxP, DCxxSP, CxxSP pellet boilers

Set AZPD 400 R Design (red) H0445	24.300,-
with conveyor DRA25 - 1,3 m (gearbox 25 W)	
Set AZPD 400 B Design (blue) H0446	24.300,-
with conveyor DRA25 - 1,3 m (gearbox 25 W)	



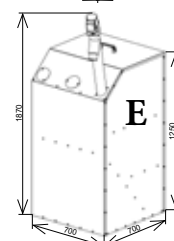
D - Set AZPU is intended for gasifying boilers with modification for pellet burner

Set AZPU 240 C (red) H0280	21.200,-
with conveyor DRA25 - 1,7 m (gearbox 25 W)	
Set AZPU 240 M (blue) H0281	21.200,-
with conveyor DRA25 - 1,7 m (gearbox 25 W)	



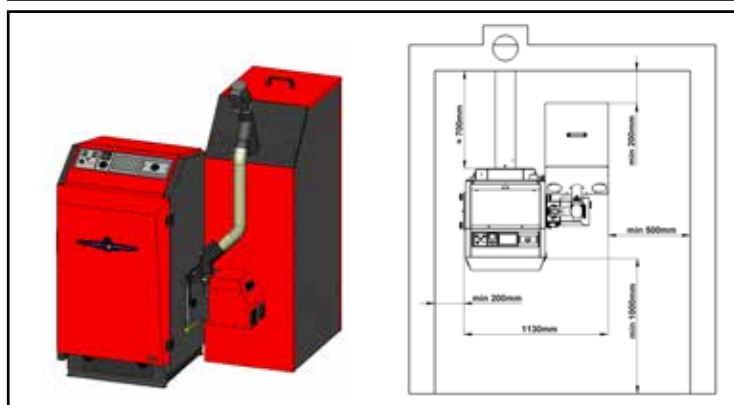
E - Set AZPU is intended for gasifying boilers with modification for pellet burner

Set AZPU 400 C Design (red) H0447	24.800,-
with conveyor DRA25 - 1,7 m (gearbox 25 W)	
Set AZPU 400 M Design (blue) H0448	24.800,-
with conveyor DRA25 - 1,7 m (gearbox 25 W)	

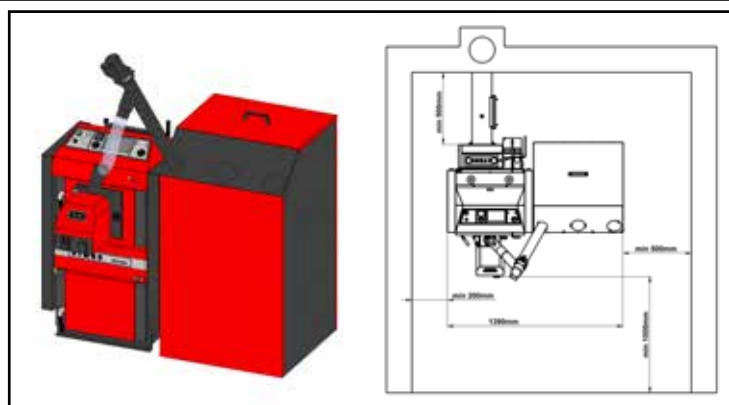


It is a special set of pellet silo of volume 240 / 300 / 400 litres and a **pellet conveyor** DRA25. It is designed for small and crowded boiler rooms. **It allows placing the pellet tank tightly close to the boiler and needs less space in the boiler room.**
 The 240 litre silo contains 156 kg of pellets which provides energy of about 700 kWh. (10 bags)
 The 300 litre silo contains 195 kg of pellets which provides energy of about 880 kWh. (13 bags)
 The 400 litre silo contains 260 kg of pellets which provides energy of about 1170 kWh. (17 bags)

Sample of instalation for compact pellet tanks



B - Set AZPD 300 with boiler DxxP



E - Set AZPU 400 for boilers with modification for pellet burner

Accessories for correct connection

set

code

Price without VAT [CZK]

AS25 set

P0435

2.172,90

The set is designed to control an A25 burner and a boiler equipped with an exhaust fan in accordance with two temperatures (sensors) on the buffer tank with the volume of 500 to 1000 l. It consists of two KTF20 sensors with a 5 m cable, an AD02 module for the control of the exhaust fan and a special connection cable. In the case of installation of a pellet boiler without an exhaust fan, you just need to purchase two KTF20 sensors with a 5 m cable.

AS2012 set (for old boiler version - DCxxSP(X))

P0444

3.776,00

The set is designed to control an A25 burner, a boiler equipped with an exhaust fan, a pump in the boiler circuit or a solar heating pump in accordance with three temperatures (sensors) on the buffer tank with a solar exchanger and in cooperation with a sensor on the solar panel. The set of four sensors fitted with a connector consists of three KTF20 water sensors with a 6 m cable, one flue gas (solar) sensor up to 400 °C with a 5 m cable, a pocket for the solar sensor, four cavities with tin for easy connection of conductors, an AD03 module for control of the exhaust fan of the boiler and pump in the boiler circuit (solar) from the A25 burner and one connection cable for DCxxSP(X), CxxSP boilers.

This set is intended for DCxxSP(X), CxxSP in old version (from serial number 343500) boilers with the automatic start function of the pellet burner after burning out of wood or for DxxP boilers with the function of burner control in accordance with three temperatures on the buffer tank with a solar heating exchanger.



INFO - With the DCxxSP (X), CxxSP model 2018 boilers, only one solar sensor AGF3 and one KTF20 sensor with a 5 m cable are enough to buy for the solar function.

SC2012 sensor set

P0437

2.240,00

The set of four individual sensors consists of three KTF20 water sensors with a 6 m cable, one flue gas (solar) sensor with a 5 m cable and a pocket for the solar sensor.

AGF3 sensor - flue gas sensor (0...+400 °C)

P0413

2.129,80

KTF20 sensor - with 5 m cable - water sensor (-20...+110 °C) - PVC

P0431

462,80

KTF20 sensor - with 2 m cable - water sensor (-20...+110 °C) - silicon

P0410

390,10

AD02 module - for control of the boiler fan

P0432

1.212,00

AD03 module - for control of the boiler fan and the pump in the boiler circuit (solar)

P0436

1.360,00

AD04 module - for burner and special function

P0446

1.360,00

Special connection cable for DCxxSP(X), CxxSP boilers - old version

S0725

35,30



INFO - Boilers with modification for pellet burner are already supplied with KTF20 - 2 m (TK) boiler temperatur sensor, with two AD03 modules for controlling the exhaust fan of the boiler and pump in the boiler circuit with two KTF20 - 5 m (TV and TS) sensors.

Equithermal controller ATMOS ACD 03 set

S0103

13.553,70

Equithermal controller ATMOS ACD 03 is a new regulatory element for all boilers ATMOS. The control unit is equipped with a large touch screen, functions and outputs to control three (four) heating circuits, domestic hot water heating, solar system, charging accumulation tanks, etc. Special programs ATMOS is created for conditions of solid fuel boilers.



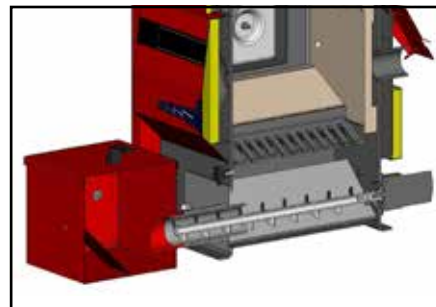
Equithermal controller ATMOS ACD 03 set

Set composition / Name	Production codes	Number in set	Measuring range	Lenght
Equithermal controller	ACD 03	1	-	-
Connector set	SCS34	1	-	-
Outdoor temperatur sensor (AF)	AF20-B65	1	-40 ... +70	0 m
Boiler temperatur sensor (WF)	KTF20-65-2M	1	-20 ... +110	2 m
Contact sensor for heating system (VF)	SF20-B54	3	0 ... +110	4 m
DHW sensor (SF), ACC sensor (P, FPF)	KTF20-65-5M	3	-20 ... +110	5 m

Automatic ash cleaner/remover for boilers DxxP

Ash cleaner/remover – without ash pan

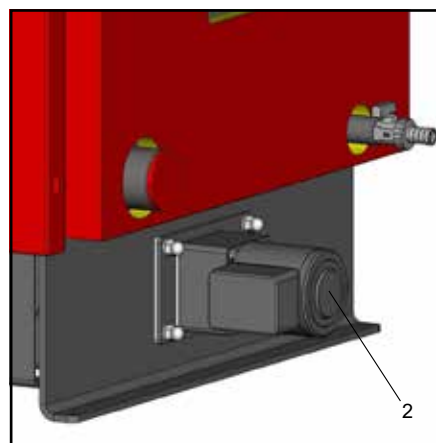
type	code	Price without VAT [CZK]
For boilers - D14P, D21P		
D14P Compact, D21P Compact	S0577	11.800,-
For boilers - D25P, D25P Compact	S0578	11.800,-
For boilers - D15P, D20P	S0535	11.800,-
For boilers - D30P, D40P	S0536	13.200,-
For boilers - D50P	S0537	14.500,-
For boilers - D80P	S1080	18.900,-



Additional ash pans for boilers D14P, D21P, D25P, D14P Compact, D21P Compact, D25P Compact, D31P, D15P, D20P, D30P, D40P, D50P

(red)

ash pan type	code	Price without VAT [CZK]
Small - skew - capacity 18 l	S1229	5.600,-
Design 2017 - recommended capacity for boilers D14P, D21P, D25P, D14P Compact, D21P Compact, D25P Compact, D31P when heating with good quality pellets. Cleaning interval 14 - 30 days.		
Small - capacity 28 l	S0542	6.500,-
Recommended capacity for boilers D15P, D20P when heating with good quality pellets. Cleaning interval 14 - 30 days.		
Middle - capacity 68 l	S0544	6.900,-
Recommended capacity for boilers D15P, D20P, D30P, D40P, D50P when heating with good quality pellets. Cleaning interval 14 - 30 days.		
Big - capacity 135 l	S0546	10.400,-
Recommended capacity for boiler D50P when heating with alternative biomass pellets. Cleaning interval 14 - 45 days.		



Additional ash pans for boiler D80P

Middle - capacity 68 l	S1068	8.900,-
Intended only for boiler D80P - for screw diameter of 80 mm.		
Big - capacity 135 l	S1069	10.900,-
Intended only for boiler D80P - for screw diameter of 80 mm.		



As an accessory for every boiler DxxP made after 1. 3. 2007 you can buy automatic ash cleaner/remover from boiler to added external ash pan /1/. The automatic ash cleaner/remover does not need any special attendance and increase comfortable use of boiler.

The boiler is cleaned automatically by the auger conveyor with gearbox /2/. It cleans the ash space in the boiler in regular intervals in 1, 3, 6 or in 12 hours depending on type of used fuel. It is possible to switch the automatic cleaning manually by pressing the main switch on the boiler. Carefully choose the capacity of the ash pan based on ash content and the used fuel.

The pneumatic cleaning of the pellet burner ATMOS A25 and A45

This is a device intended for **cleaning of the burner combustion chamber** during combustion of the low-quality wood pellets, which create cakes. This is actually the burning of wood pellets with a higher content of bark and dirt. The device itself does not offer a solution and is not intended for the burning of biomass (plant) pellets and grain.

In conjunction with the pellet burner, the device provides automatic removal of cakes and ash from the burner combustion chamber at regular intervals or after every burning out of the torch.

The pneumatic cleaning of the burner is very fast, efficient and reliable. If the customer wants to ensure that there is no cleaning at night, the kit may be supplemented by a special timer (cannot be normally bought in the store - inductive load of 8 A).

The equipment is sold as a kit for the rebuilding of the pellet burner ATMOS A25 or A45.

ATMOS A85 burner is in standard always delivered with pneumatic air pressure ash cleaning system.



Basic kits

1 - Kit for compact pellet boilers

- designed for D10PX, D15PX, D20PX, D25PX (burner A25)

Composition of the kit:

- connecting air hose with a length of 1,5 m (diameter 28 mm) with necessary fittings (3/4") and control electro valve
- a new plate (of the bracket) for ignition spirals
- a new combustion chamber
- pneumatic cleaning duct with locking nut and washer

Kit CPX25KS for the burner A25

H0538

14.300,-

(the price for the kit supplemented with a compressor - power input: 1.500 W, air reservoir capacity: 6 l)

Kit CPX25S for the burner A25

H0539

11.300,-

(the price for the basic kit without compressor)

2 - Kit for pellet boilers with exhaust fan

- designed for D20P (burner A25)

- designed for D31P, D30P, D40P, D50P (burner A45)

- designed for DCxxSP(X), CxxSP - old version up to 343500 serial number (burner A25)

Composition of the kit:

- connecting air hose with a length of 1 m (diameter 28 mm) with necessary fittings (3/4") and control electro valve
- a new plate (of the bracket) for ignition spirals
- a new combustion chamber
- pneumatic cleaning duct with locking nut and washer
- AD04 module for special functions of the boiler fan
- AD03 module to control the boiler fan and compressor via the auxiliary outputs R, R2

Kit CP25KS for the burner A25

H0524

17.200,-

(the price for the kit supplemented with a compressor - power input: 1.500 W, air reservoir capacity: 6 l)

Kit CP25S for the burner A25

H0525

14.200,-

(the price for the basic kit without compressor)

Kit CP45KS for the burner A45

H0522

18.900,-

(the price for the kit supplemented with a compressor - power input: 1.500 W, air reservoir capacity: 6 l)

Kit CP45S for the burner A45

H0523

15.900,-

(the price for the basic kit without compressor)

3 - Kit for pellet boilers with exhaust fan

- designed for DC18SP, DC25SP, DC30SPX, DC32SP, C18SP, C25SP - from serial number 343500 (boilers and burners with actuator) (burner A25)

Composition of the kit: code Price without VAT [CZK]
- connecting air hose with a length of 1 m (diameter 28 mm) with necessary fittings (3/4") and control electro valve
- a new plate (of the bracket) for ignition spirals
- a new combustion chamber
- pneumatic cleaning duct with locking nut and washer
- 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

Kit CP25KGSP for the burner A25 H0544 15.200,-
(the price for the kit supplemented with a compressor - power input: 1.500 W, air reservoir capacity: 6 l)

Kit CP25GSP for the burner A25 H0545 12.300,-
(the price for the basic kit without compressor)

4 - Kit for pellet boilers without exhaust fan

- designed for D14P, D21P, D25P, D15P (burner A25)

Composition of the kit: code Price without VAT [CZK]
- connecting air hose with a length of 1 m (diameter 28 mm) with necessary fittings (3/4") and control electro valve
- a new plate (of the bracket) for ignition spirals
- a new combustion chamber
- pneumatic cleaning duct with locking nut and washer
- AD02 module to control the compressor via the auxiliary outputs R, R2

Kit CP25K for the burner A25 H0520 15.800,-
(the price for the kit supplemented with a compressor - power input: 1.500 W, air reservoir capacity: 6 l)

Kit CP25 for the burner A25 H0521 12.800,-
(the price for the basic kit without compressor)

5 - Kit for gasification wood boilers, wood briquettes, wood and coal with a built-in burner in the upper door

- boilers with modification for burner

- designed for DCxxS, DCxxRS, CxxS(T), ACxxS (burner A25), - designed for DC50S (burner A45)


Composition of the kit: code Price without VAT [CZK]
- connecting air hose with a length of 1 m (diameter 28 mm) with necessary fittings (3/4") and control electro valve
- a new plate (of the bracket) for ignition spirals
- a new combustion chamber
- pneumatic cleaning duct with locking nut and washer
- AD04 module for special functions of the boiler fan
- AD03 module to control the boiler fan and compressor via the auxiliary outputs R, R2
- a special metal cover under flap

Kit UCP25KS for the burner A25 H0526 17.600,-
(the price for the kit supplemented with a compressor - power input: 1.500 W, air reservoir capacity: 6 l)

Kit UCP25S for the burner A25 H0527 14.600,-
(the price for the basic kit without compressor)

Kit UCP45KS for the burner A45 H0528 19.200,-
(the price for the kit supplemented with a compressor - power input: 1.500 W, air reservoir capacity: 6 l)

Kit UCP45S for the burner A45 H0529 16.200,-
(the price for the basic kit without compressor)

 **INFO** - the basic kit without compressor is chosen only when we possess a compressor with the capacity of the air reservoir ranging from 5 to 10 litres, which is capable of reaching the pressure in the range from 5 to 8 bar (500 - 800 kPa). The compressor or air reservoir must be placed in the immediate vicinity of the boiler and the basic pipe diameters must be complied with.

Special timer with the inductive load of 8 A S0090 398,-

Textile pellet silos ATMOS

Large textile silos are designed for convenient storage of pellets for the heating season. Silos can be placed directly into the boiler room or in adjoining areas. Another option is to place them in an enclosed outdoor shelter so as not to be exposed to sunlight and weather conditions (e.g. rain, wind).

The ATZ silos are designed for pneumatic refuelling of pellets from the cistern truck. For this purpose they are equipped with two flanges STORZ A110, which can be placed to any two sides. The textile silo is also equipped with two holes, through which it is possible to fill the silo manually from bags or a big bag to a certain height of the silo.

Part of the delivery is also a universal container located at the bottom of the silo, which is equipped with a pneumatic probe for the pneumatic transport of pellets or a flange allowing scooping of pellets directly by the screw conveyor (DAxxxx and DRA50 type) to the burner A25 or A45/A85. In these cases it is recommended to use the length of the conveyor at least 2.5, 3, 4, and 5 m.

The silo is designed as a steel structure ensuring easy assembly, into which the textile bag is suspended. This is made of a solid material with a special inner treatment to reduce the moisture penetrating in the pellets stored. No structural modifications are required before installing the silo, the silos need only the reinforced, optimally the concrete floor.

The silos are manufactured in three basic sizes for maximum usable volume of 5.5, 6.5 and 7.9 m³. The silo type or frequency of refilling in the heating season is easy to be set according to the basic rule: 1 kW of the needed output of the heat source = 0.5 m³ (325 kg) of pellets / year.

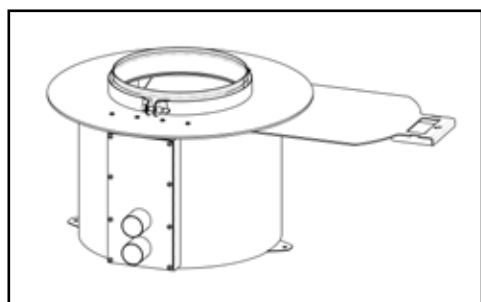


Textile silo with accessories (universal container (H0510), 2x STORZ A110, anchorage, etc.)

kit	code	volume (m ³)	(t) pellet	dimensions (mm)	height (mm)	price without VAT
ATZ 5	H0505	4,4 - 5,5	2,9 - 3,6	1960 x 1960	2 320	35.900,-
ATZ 6	H0506	5,3 - 6,5	3,5 - 4,2	1960 x 2360	2 320	38.900,-
ATZ 7	H0507	6,3 - 7,9	4,1 - 5,1	2360 x 2360	2 320	42.600,-

Universal container for textile silo ATZ

code Price without VAT [CZK]
H0510 9.600,-



- it is equipped with a pneumatic suction probe and replaceable adapter allowing direct scooping of pellets by the auger conveyor from the textile silo. It includes a locking mechanism and cleaning hole.



CAUTION - The universal container is supplied with each textile tank ATZ.

Pneumatic pellet feeding - ATMOS APS 250, 250 S, (150) 250 (SPX(2)), 500

The pneumatic pellet feeding APS 150 SPX, APS 250 (S), 500 is designed as a compact device used for comfortable supply of pellets to the boiler from a large tank placed outside the boiler room. Such tank is located within empty storage areas inside or outside the building heated. Tanks frequently have the form of textile silos that are easy and fast to install.

The pneumatic pellet feeding consist of a **buffer tank with volume 250 /500 l (except APS 150 SPX, APS 250 SPX(2), APS 250 S - without tank), a special interception tank with integrated suction fan and a rotary pellet level sensor.**

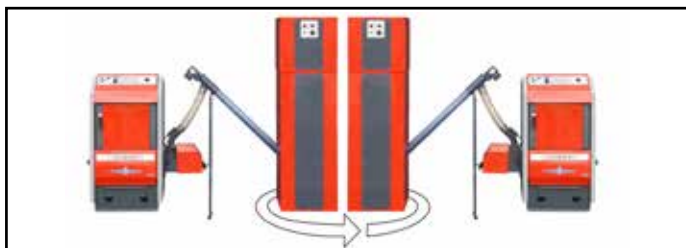
All these components are managed by the **electronic control units AC21 and AC19** fitted with displays showing the existing status and operation.

The compact pneumatic feeding of pellets **ATMOS APS 250/500** with the buffer tank is designed for boilers with output range **from 5 to 80 kW**. Maximum transport distance is 15 m (tube length 2x 15 m).

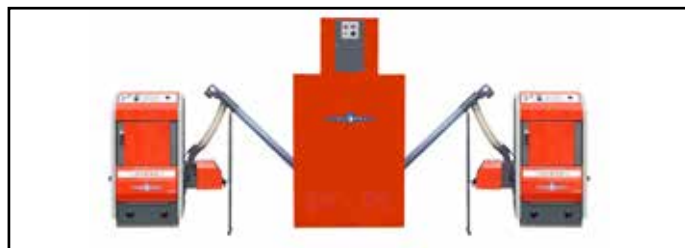


	code	Price without VAT [CZK]
Pneumatic pellet feeding ATMOS APS 250		
red	H0550	42.600,-
blue	H0551	42.600,-
Pneumatic pellet feeding ATMOS APS 250 S - separate (set without tank)		
- set includes a spacer (frame) for mounting on any tank (primarily for AZPD / AZPU 240 / 300)		
red	H0313	38.200,-
blue	H0314	38.200,-
Pneumatic pellet feeding ATMOS APS (150) 250 SPX / APS 250 SPX2 - separate (set without tank for DxxPX boilers)		
- set includes a spacer (frame) for mounting on DxxPX boiler		
red/dark grey (APS 150 SPX) - D10PX	H0563	38.200,-
dark grey/red (APS 250 SPX) - D15PX, D20PX	H0317	39.200,-
dark grey/red (APS 250 SPX2) - D25PX	H0319	39.200,-
Pneumatic pellet feeding ATMOS APS 250 SPK3 - separate (set without tank)		
- set includes a spacer (frame) for mounting only on AZPD 400 / AZPU 400 tank		
red	H0323	39.200,-
blue	H0324	39.200,-
Pneumatic pellet feeding ATMOS APS 500 - for two boilers (conveyors and burners)		
red	H0315	46.100,-
blue	H0316	46.100,-
Special set of pneumatic pellet feeding ATMOS APS 250 for boiler D85P		
- set include pneumatic pellet feeding, tank with a volume of 250 l on wheels, a DRA50 shaft conveyor with a modified length and a special gearbox (12 rpm).		
The set can be used for all boilers equipped with the ATMOS A45 and A85 burner.		
red	H0575	59.800,-
Antistatic pipe with 50 mm diameter - á 1 m	H0112	314,-
A special pipe for connecting suction ventilator with external silo (e.g. ATZ). Necessary length is always doubled between big textile silo (e.g. ATZ) and pneumatic feeding.		
The pipe is supplied in specific lengths 12,5 m, 25 m. The price is for 1 m.		

Pneumatic pellet feeding possibilities of installation ATMOS APS 250, APS 250 S a APS 500



Possibilities of installation APS 250



Installation APS 500 for two boilers



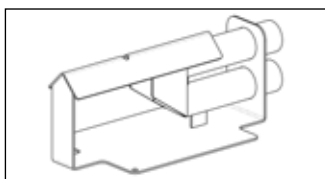
Installation of APS 250 S on the compact pellet tank
AZPU 240 C / AZPD 240 R



Possibility of placing conveyors at APS 500 for two
bolers side by side

Accesories for pneumatic pellet feeder

Pneumatic probe

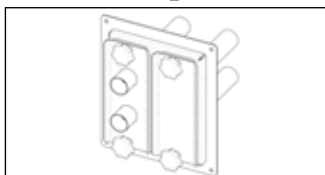


- it is designed for the multipoint suction of pellets from the container with a flat bottom.

code Price without VAT [CZK]

H0511 4.900,-

Switcher for pneumatic feeder - 2 circuits

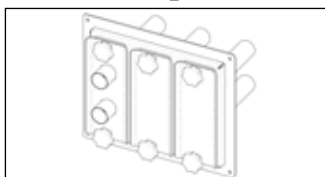


- it is designed for the pneumatic pellet feeder with use of two pneumatic probes (H0511) in silo with flat (slanting) floor. Used to swap (change) sucking point in the silo.

If a large number of probes is possible to sort the changers side by side.

H0542 6.500,-

Switcher for pneumatic feeder - 3 circuits



- it is designed for the pneumatic pellet feeder with use of three pneumatic probes (H0511) in silo with flat (slanting) floor. Used to swap (change) sucking point in the silo.

If a large number of probes is possible to sort the changers side by side.

H0543 7.400,-

Knees (bends) and connections for pneumatic pellet feeding pipes



- knee 30°	H0567	410,-
- knee 45°	H0568	410,-
- knee 90°	H0569	490,-
- pipe connection - Ø 50 mm	H0570	98,-
- pipe fixing band pro Ø 50 - 70 mm	H0571	46,-

Mole - movable pellet suction system



- Mole - Maulwurf suction system for wooden pellets is designed for pellet transport from large silo in to the boiler-room space with use of ATMOS pneumatic pellet feeding.

H0293 33.100,-

External combustion air supply for ATMOS A25 burner

The device (accessory) allows the **combustion air to be supplied** to the ATMOS A25 burner **from outside**, for example for houses requiring a blower door test.

The device is designed only for ATMOS A25 burner up to 25 kW boiler output.



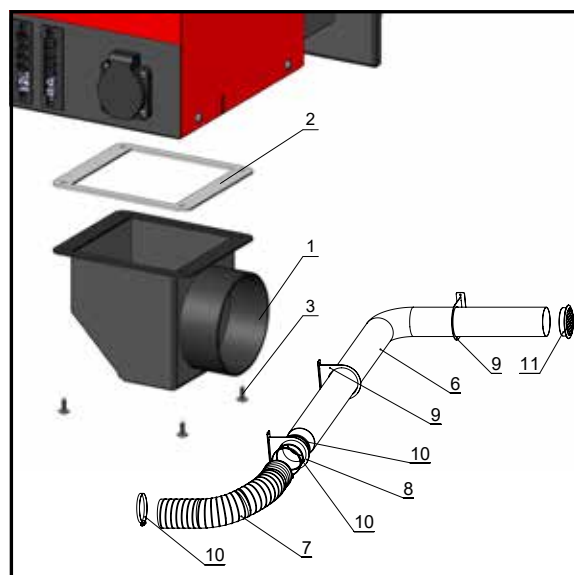
CAUTION - the device is not designed for boilers which are able with manual fuel stocking in any mode (wood, lignite and briquets).

Designed for boilers **with exhaust fan**

D20P, D15PX, D20PX, D25PX,

Designed for boilers **without exhaust fan**

D15P, D10PX, D14P, D21P, D25P,



code Price without VAT [CZK]

External combustion air supply for ATMOS A25 burner

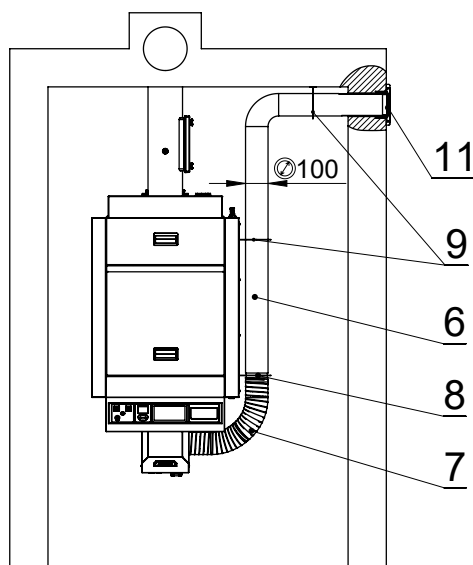
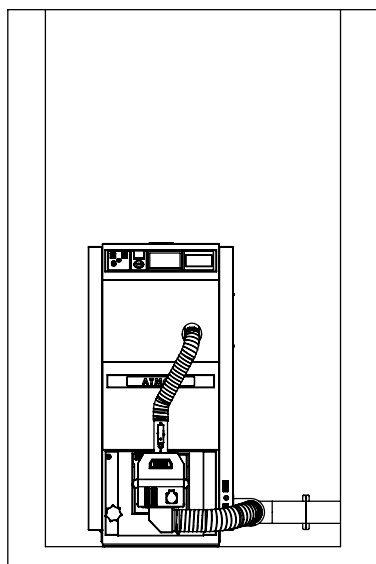
H0428

5.800,-

Kit content:

- 1 - 1 x external air supply flange for A25
- 2 - 1 x sealing under the external air supply flange
- 3 - 15 x screw Ø 4 mm (with drill bit)
- 4 - 4 x screw 4 x 30 mm (for wall plug)
- 5 - 4 x wall plug
- 6 - 1 x aluminum hose with internal diameter of 100 mm, length 5 m (for wall opening Ø 110 mm)
- 7 - 1 x flexible hose with diameter of 100 mm, length 70 cm (for DxxPX, PXxx)
- 8 - 1 x hose holder with sleeve - coupling for flexible and rigid hose (for DxxPX, PXxx)
- 9 - 3 x hose holder - for attaching the hose to the boiler or to the wall
- 10 - 3 x clamp for attaching the hose to the hose holder with sleeve
- 11 - 1x cover - external grille for the facade of the house (round - attention: do not replace)

Examples of installation of external air supply in boiler rooms



Boiler:

DxxPX

Installation with right outlet and flexible hose for easy opening of the door

- one 90 ° elbow

6 - aluminum hose Ø 100 mm

7 - flexible hose

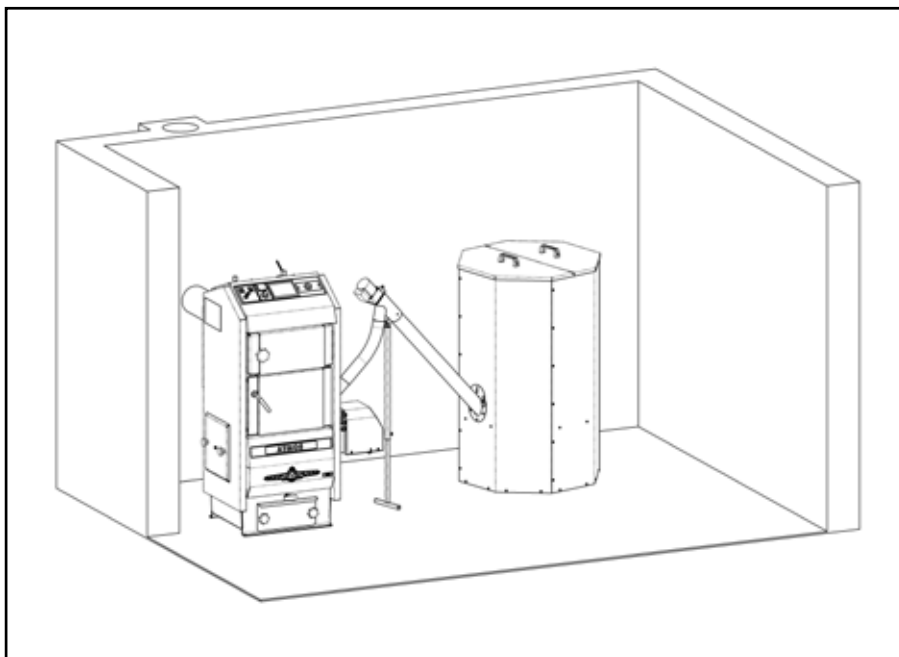
8 - hose holder with sleeve

9 - hose holder

11 - external grille for the facade of the house

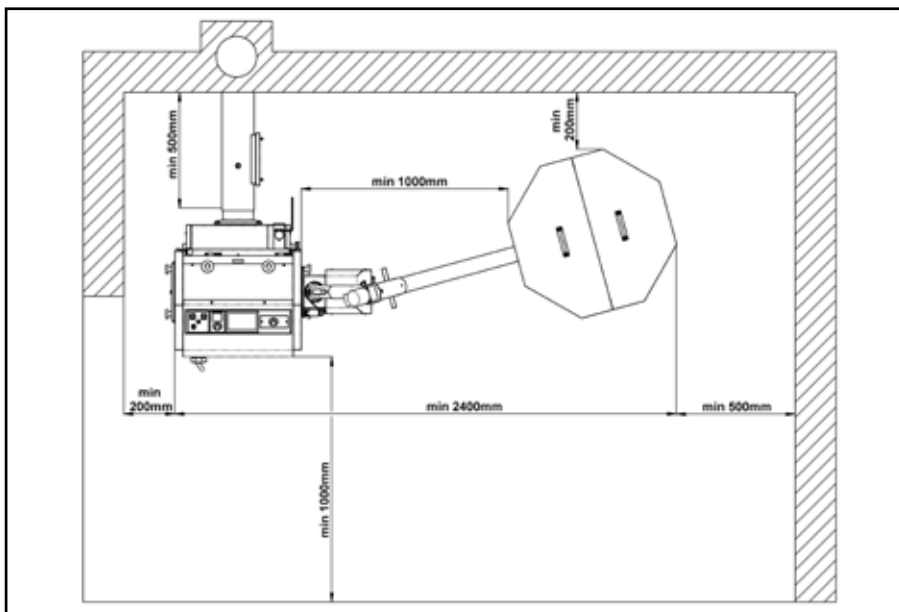
BOILER-ROOM INSTALATION FOR PELLET BOILER

1. Boiler-room with a separate pellet tank 500 l and conveyor 1,5 m



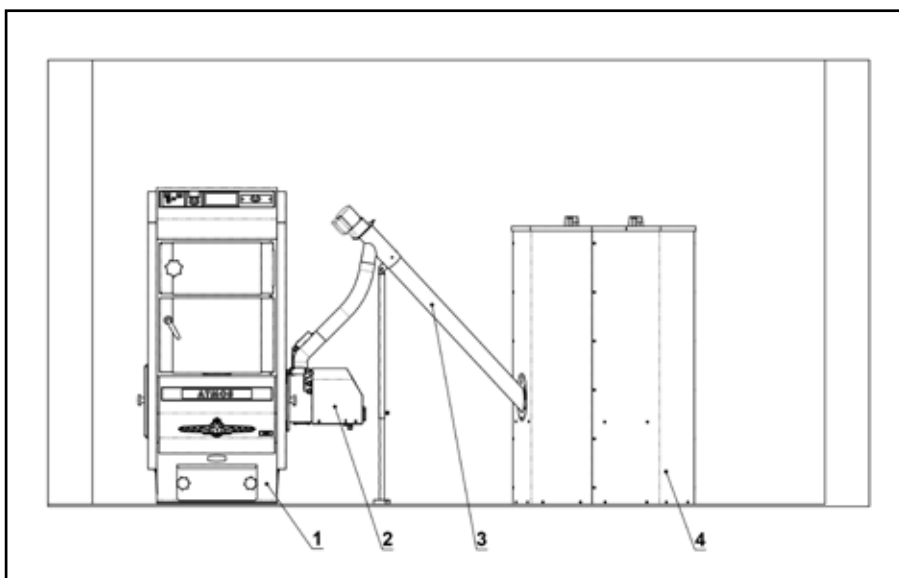
Description:

A boiler-room with a separate container with a volume of 500 l that can hold 325 kg of pellets. The length of the conveyor should be at least 1.5 m to achieve the length of the hose between the burner and conveyor of at least 20 cm (ideally 30 - 60 cm) for safety reasons. The maximum length of the hose should not exceed 1 m.



Every conveyor is provided with a support leg. In confined spaces we recommend that the leg be replaced with a chain hanging from the ceiling to which the conveyor is attached (contained in the conveyor delivery). The angle of the auger conveyor should be 45° at the most.

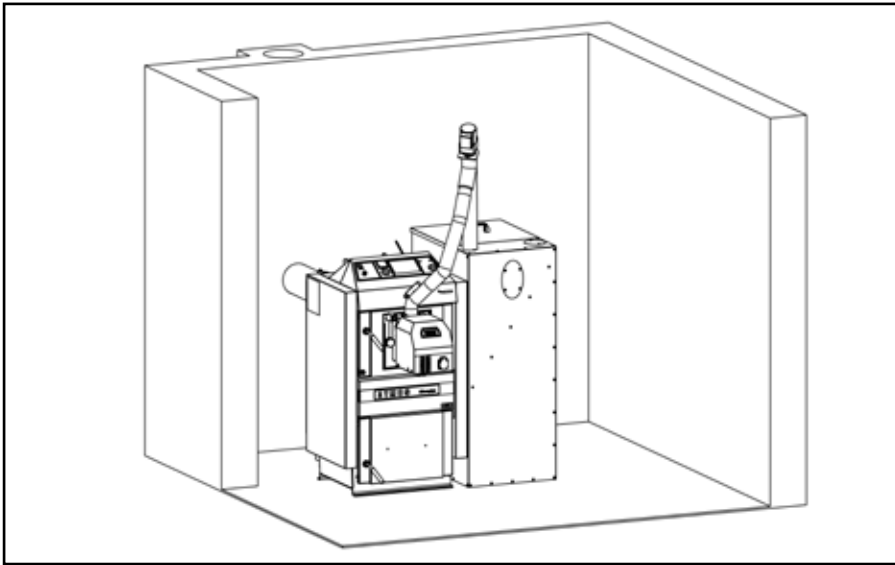
External pellet containers are delivered in the sizes of 250 l, 500 l and 1000 l as standard, which is sufficient for 3 to 14 days of heating depending on the required output. The bigger container, the better.



Legend:

- 1 - Boiler
- 2 - Burner
- 3 - Conveyor
- 4 - Pellet tank

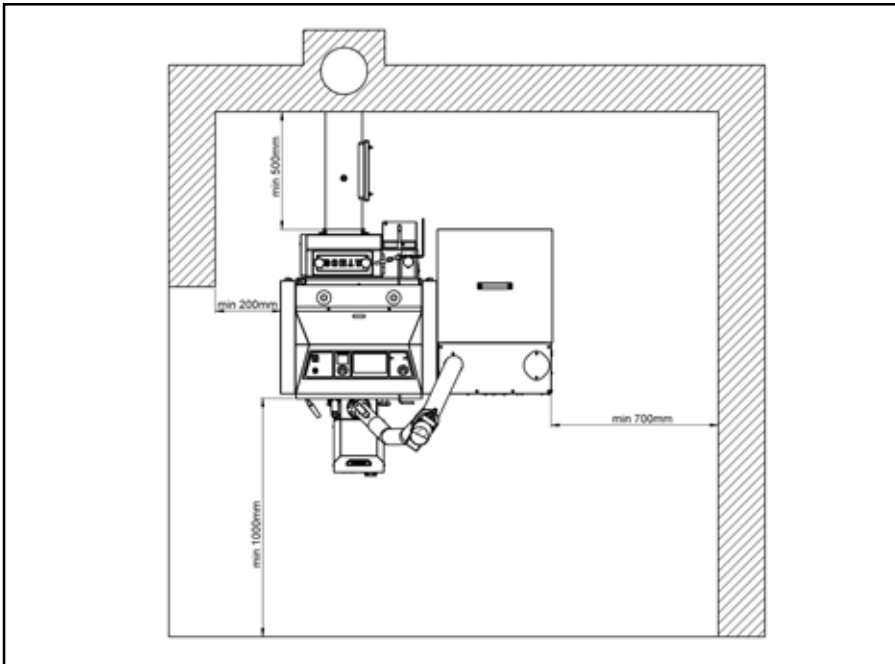
2. Boiler-room with compact pellet tank APZU 240 for boilers with modification for the pellet burner in upper door



Description:

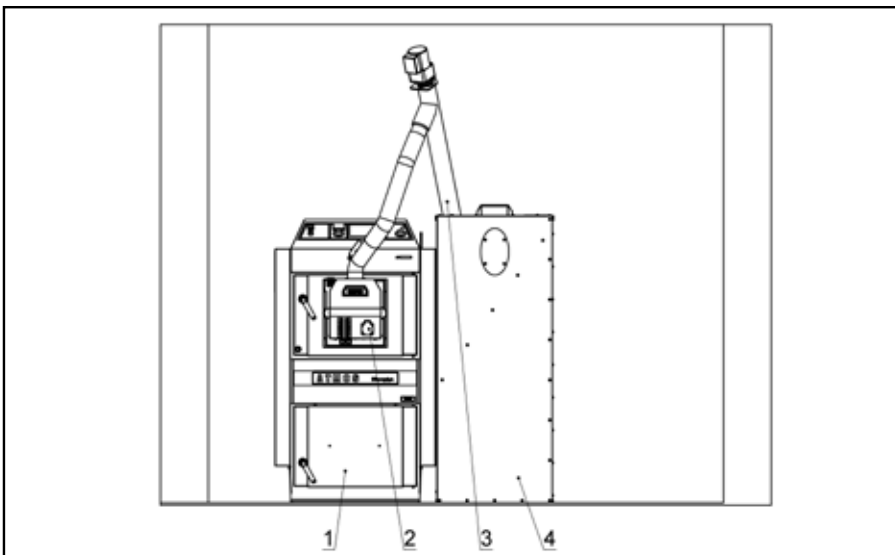
Boiler-room with compact pellet tank APZU 240 with capacity 240 l, in which 156 kg of pellets may be stored.

It is a special set of pellet silo of volume 240 litres and a pellet conveyor DRA25. It is designed for small and crowded boiler rooms. **It allows placing the pellet tank tightly close to the boiler and needs less space in the boiler room.**



Length of the hose between the burner and the conveyor has an ideal length so we can easily open the door when cleaning the burner combustion chamber and do not have to remove the hose.

Caution - the pellet burner can only be installed in the boiler equipped with an exhaust fan. We install the pellet burners only to gasification boilers ATMOS up to the output of 50 kW (except for the DCxxGS, DCxxDG type).

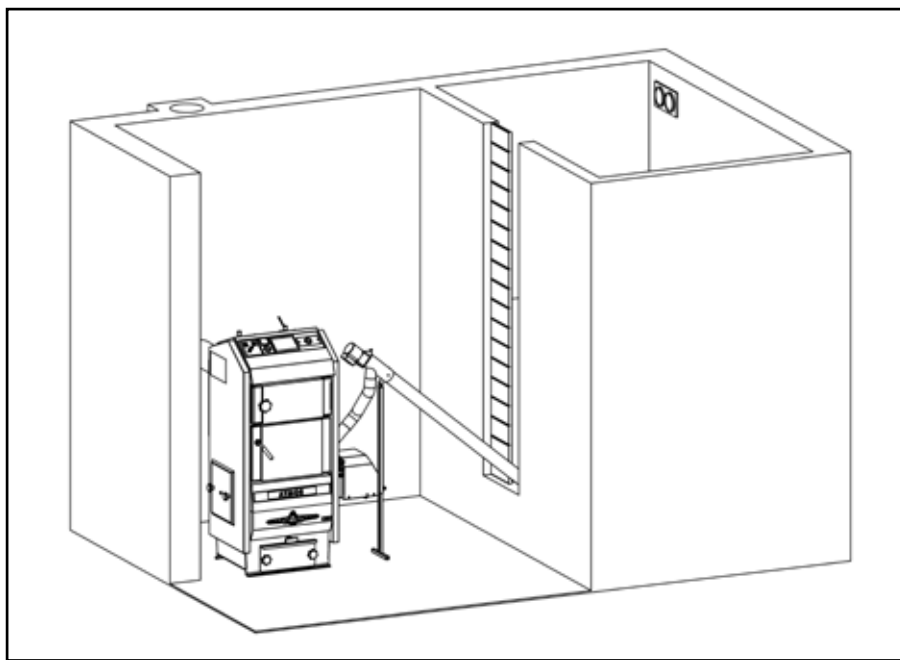


For classic pellet boilers DxxP and combi boilerse DCxxSP(X), CxxSP is intended kit of compact tank AZPD 240, 300, 400. (see more on page 8)

Legend:

- 1 - Boiler DC18S
- 2 - Burner ATMOS A25
- 3, 4 - Kit AZPU 240
 - (3 - Conveyor DRA 25 - 1,7 m)
 - (4 - Pellet tank 240 l)

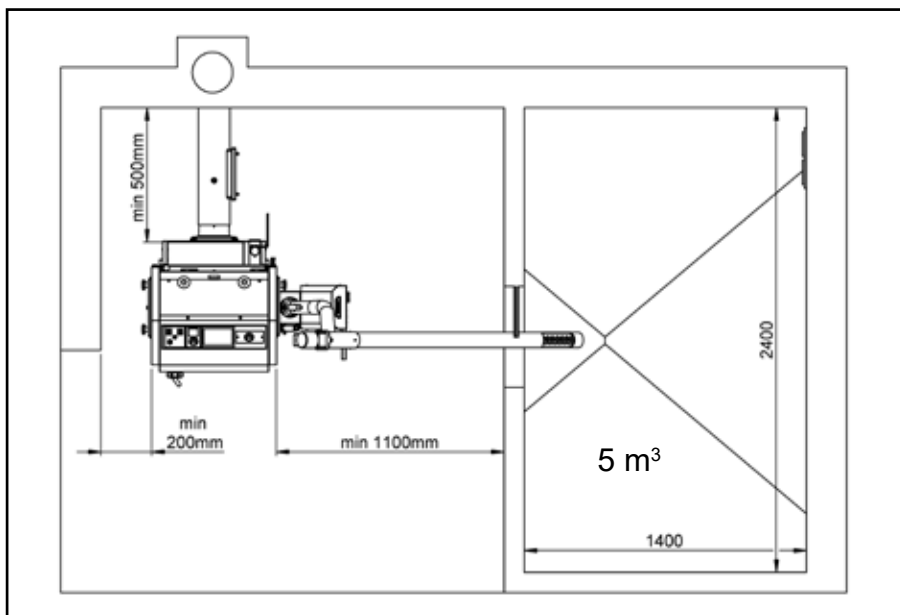
3. Boiler-room with built-in pellet silo 5m³



Description:

5m³ built-in pellet silo which contain 3250 kg of pellets. For this lay-out is used 1,5 m (2,5 m) pellet conveyer. The segmental opening is prepared for easy access to the silo. The segmental opening can be adapted for different level of pellets in the silo. In the upper part of the built-in silo are two openings for possible filling of pellets from other silo.

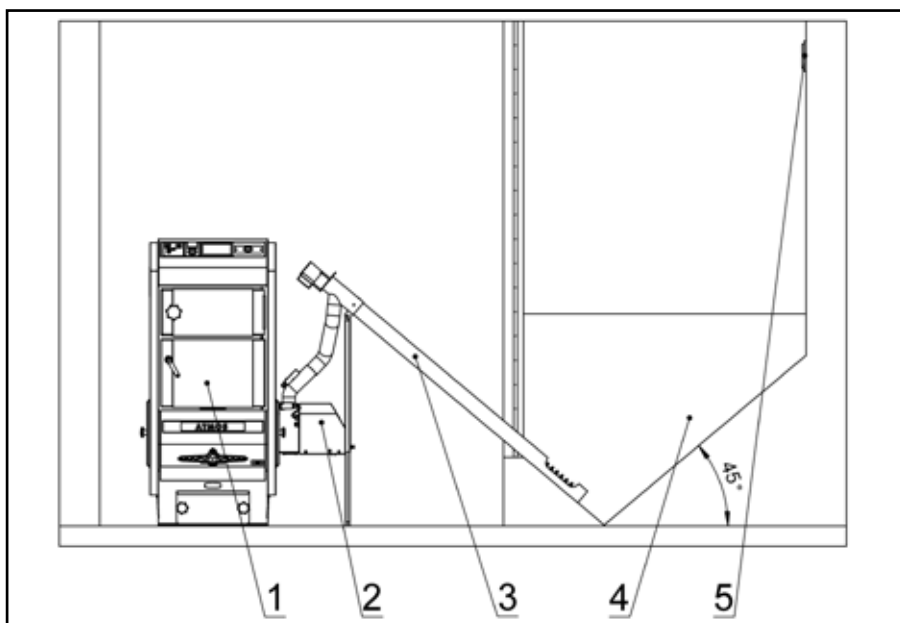
CAUTION - In case of filling of the silo directly from tank-truck is necessary to keep few principles which prevent broken of pellets during the pneumatic feeding. Above all is necessary to prevent pellets impact on hard wall but they should impact on a hung blanket from ceiling in the middle of the silo. It helps to uniformly fill the silo and prevent broken of pellets on smaller or dust.



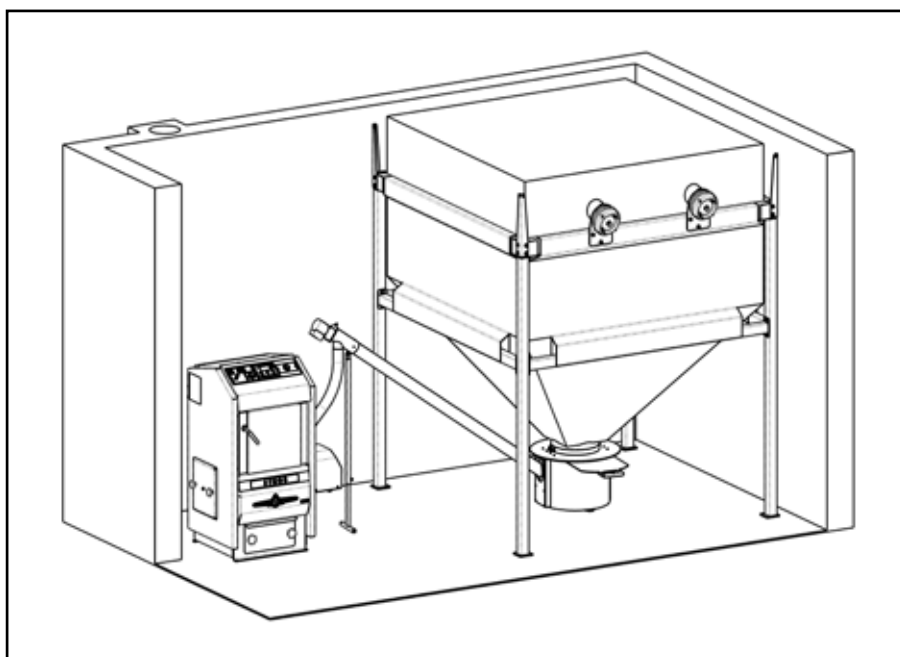
For optimal falling of pellets the inner walls of the silo should be at least 45°. All three walls should be directed at the lowest point of the silo from which the auger pellet conveyer picks the pellets up.

Legend:

- 1 – Boiler
- 2 – Pellet burner
- 3 – Conveyer
- 4 – Pellets
- 5 – Opening for replenishment of pellets from a cistern



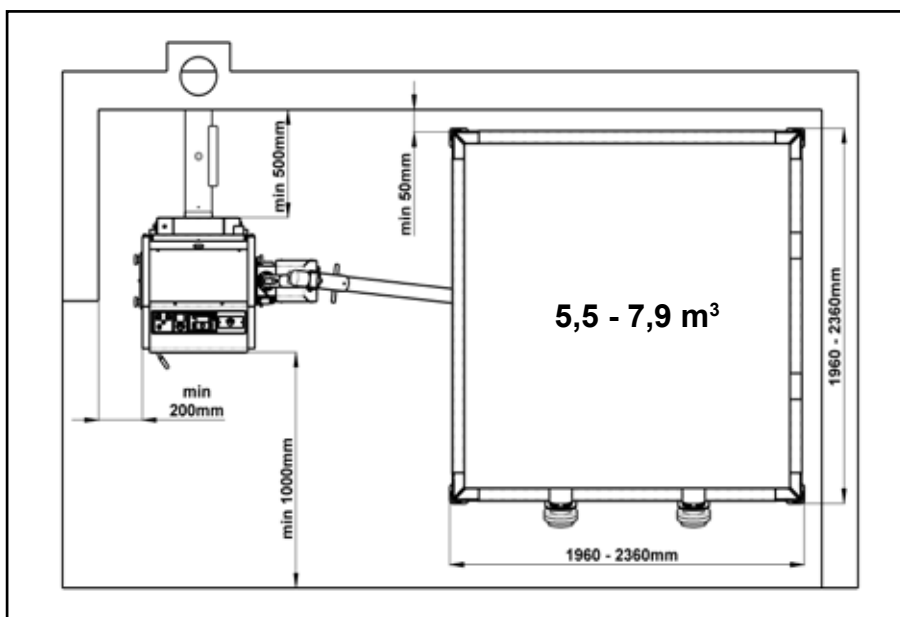
4. Boiler-room with textile pellet silo 5,5 - 7,9 m³ and long conveyor



Description:

Boiler-room with external textile pellet silo placed next to the boiler or in to the next room with direct feeding of pellet in to the burner by long conveyor.

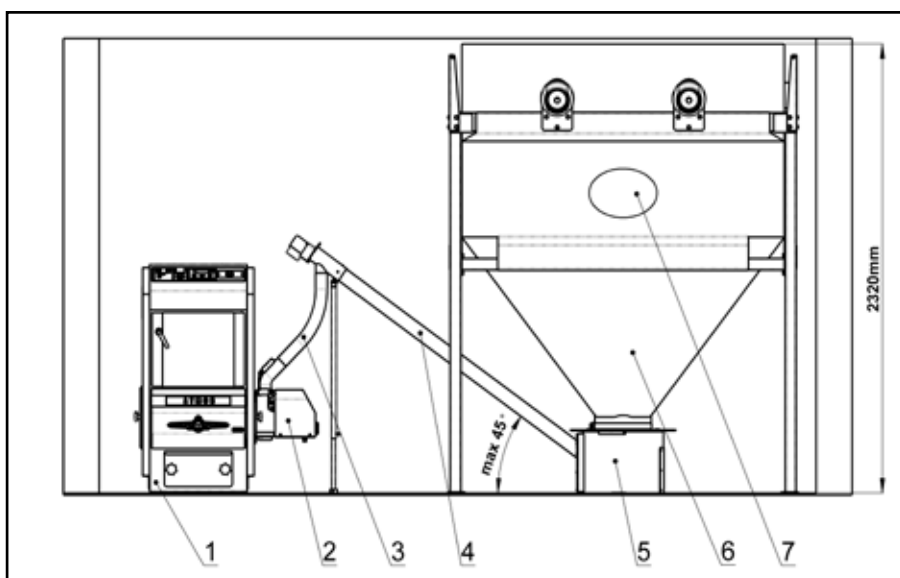
Textile silo with volume of 5,5 - 7,9 m³, which contains 3600 - 5100 kg pellets (depend on type), it is enough big to be filled ones or thrice a season. Pellet feeding we do from cistern-truck or in case of emergency from 15 kg bags.



There are two flanges in upper part of the textile silo with holes for comfort filling of pellet from cistern-truck.

Material of textile silo prevent moistening of the fuel and it is easy to assemble how the customer need.

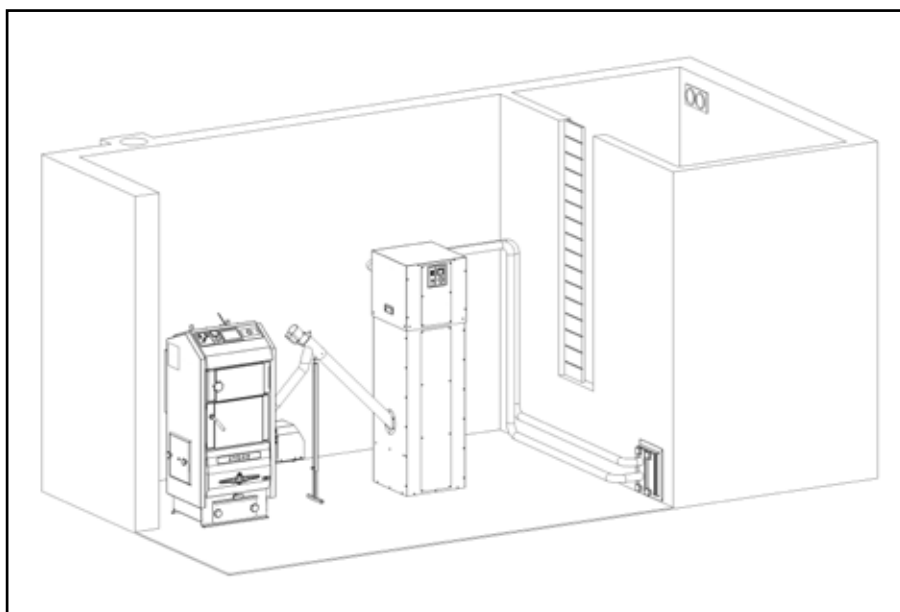
All the walls of textile silo are directed at the lowest point of the silo, universal container, from which the auger pellet conveyor with lenght 2, 2.5, 3, 4 nebo 5 m picks the pellets up.



Legend:

- 1 - Boiler
- 2 - Pellet burner
- 3 - Pellet supply pipe
- 4 - Conveyor
- 5 - Universal container with collector probe under textile silo (H0510)
- 6 - Textile silo (5,5 - 7,9 m³)
- 7 - Openings for possible filling of pellets

5. Boiler-room and pellet silo with multipoint sucking of pellet with pneumatic feeder ATMOS APS 250

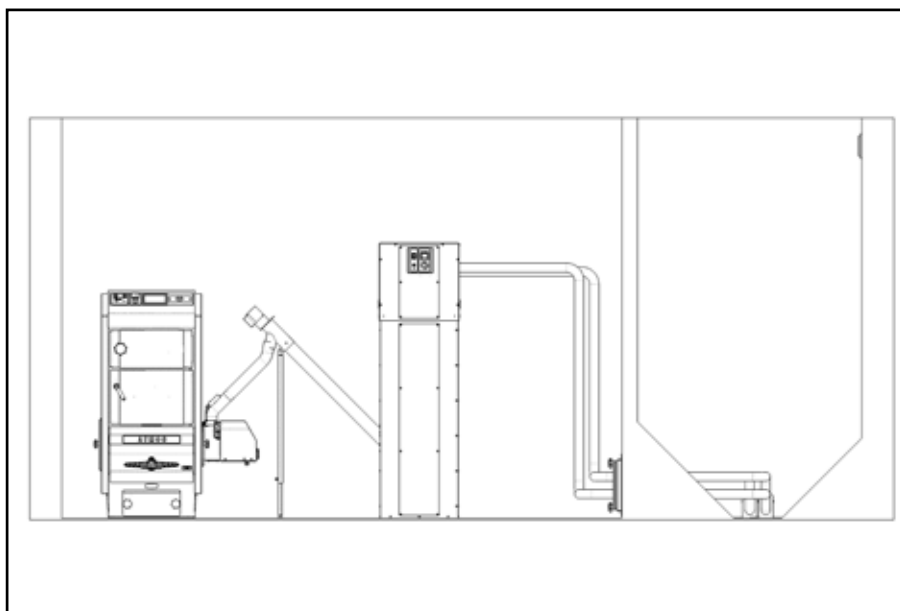
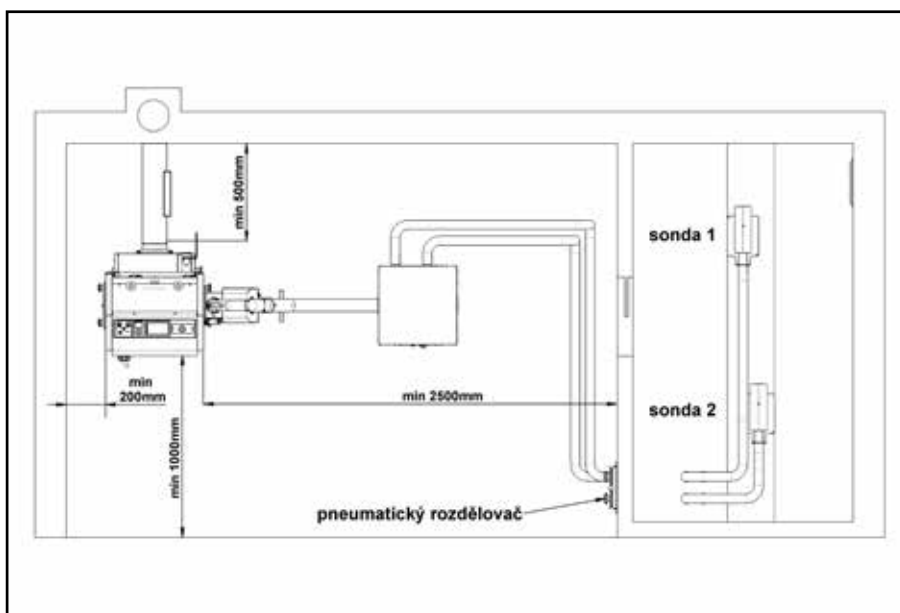


Description:

Boiler-room with pneumatic pellet feeder ATMOS APS 250 (buffer tank with volume 250 l, a special interception tank with integrated suction fan and a rotary pellet level sensor) in combination with multipoint sucking of pellet from the big external pellet tank (silo). Two circuit changer enable to swap (change) between two pneumatic probes placed in the big pellet silo. The pneumatic feeder serves for automatic feeding of buffer tank with volume 250 l in the boiler-room from the big external pellet silo which is placed inside or outside the building.

This system uses pellets diameter 5 - 10 mm from outside silo. Can be in max. distance of 15 m (pipe lenght 2x 15 m) with the elevation max. 6 m.

Designed for boilers with output range from 5 to 80 kW. Power consumption of the pneumatic feeder is 1650 W. This device does not run permanently but only in case of emptying of the pellet silo in the boiler-room.

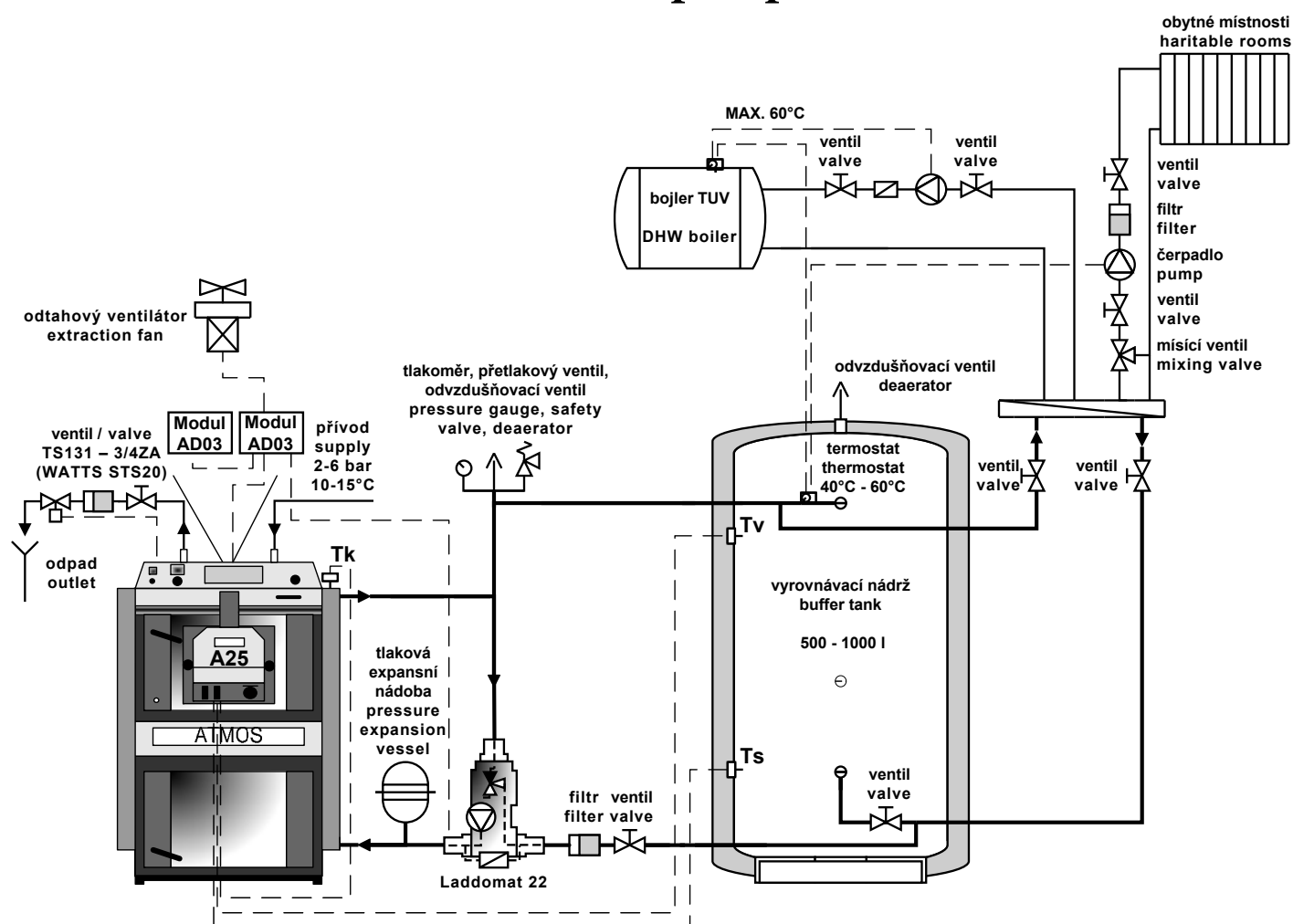


Pneumatic pellet feeding APS 250 (H0550)

Switcher for pneumatic feeder - 2 circuits (H0542)

2 x pneumatic probe (H0511)

Connection of boilers DCxxS(X), CxxS(T), ACxxS (with modificatio) with built-in burner in upper doors with accumulation tank for regulation of the burner based on sensors TS and TV and control of boiler pump based on TK sensor



INFO - Boilers with modification for the pellet burner are from 1st of March 2019 equipped from the production with two AD03 modules, changeover switch (I/O/II), boiler temperature sensor TK (KTF 20), with two KTF20 - 5 m (TV and TS) sensors pump thermostat - 70°C and with the outlet for the pump in boiler circuit.

The TK sensor placed in boiler pocket (from production), sensors TV and TS on the accumulation tank, all connected directly to the burner. The (2x AD03) modules are inserted under the instrument hood of the boiler and is connected to the terminal board of the boiler. Both AD03 modules control the exhaust fan of the boiler and the pump in the boiler circuit. Boilers version 2016 has only one module AD02 to control exhaust fan.

For the boiler, burner and the conveyor nothing needs to be bought as an accessories.

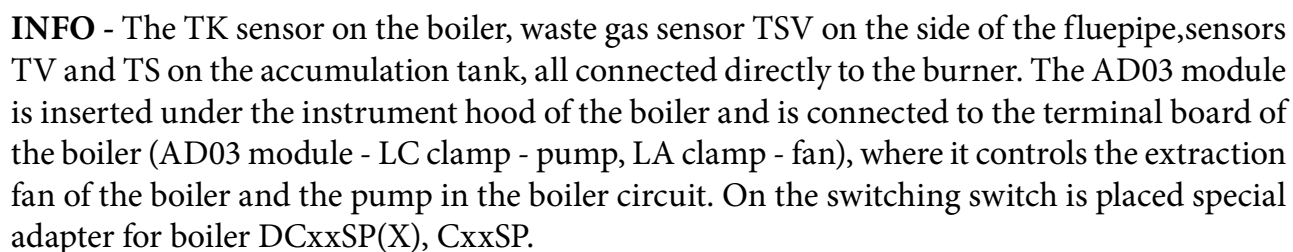
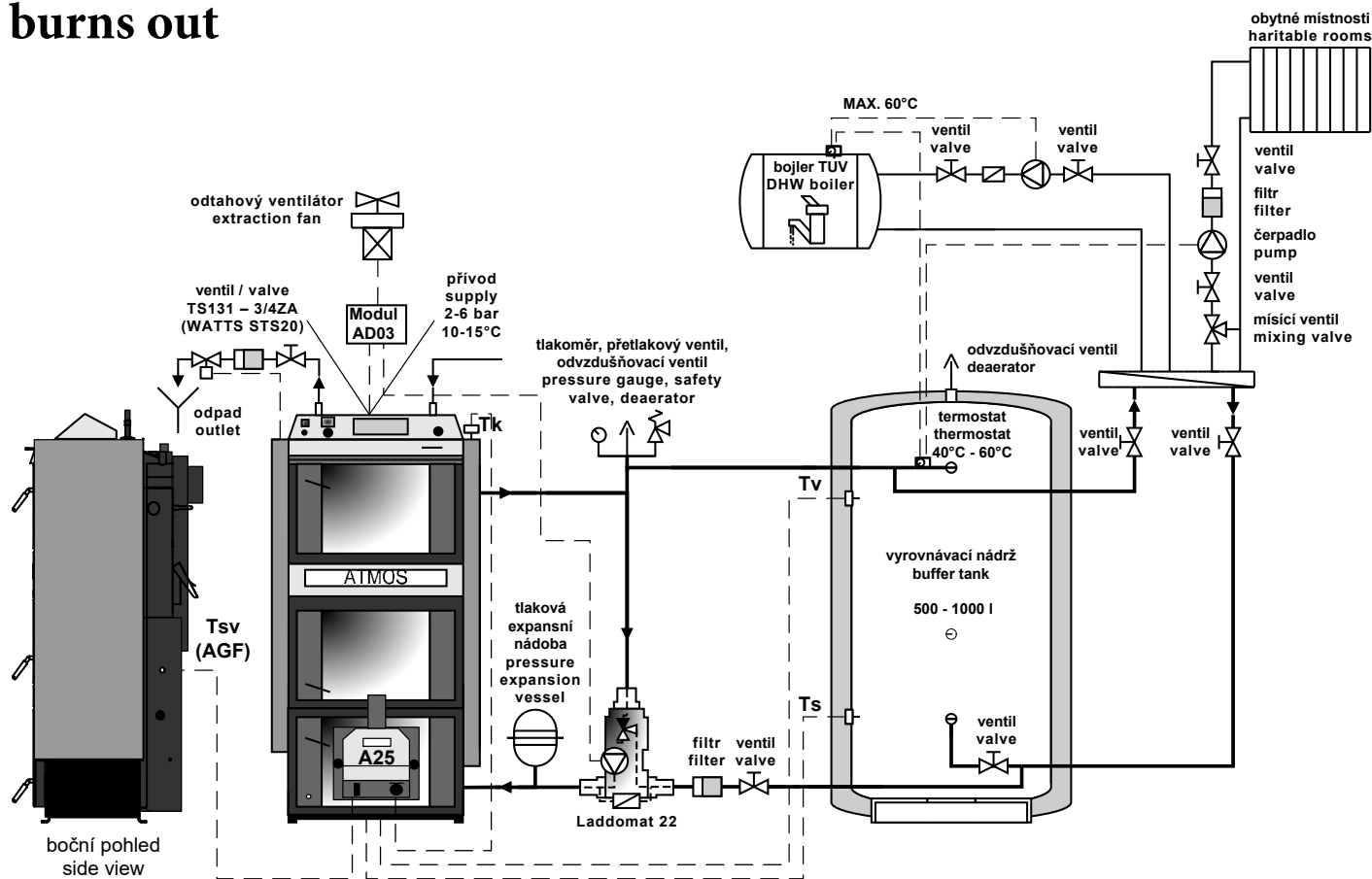
To make everything work well, in addition to the basic power setting (parameter T4 and T6) and settings of combustion quality on the fan (fan flap) necessary adjust the parameters: S6 = 4, S14 = 13, S15 = 2

(reserve R - parameter S6 controls the boiler fan, reserve R2 - parameter S14 controls the boiler pump)



WARNING – for boilers DCxxSP(X), CxxSP and boilers with a burner built in the upper doors, it is not possible to use the function of controlling solar heating directly from the pellet burner.

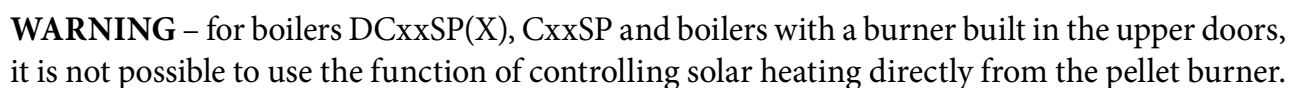
Connection of boilers DCxxSP(X), CxxSP with an accumulation tank for burner control on the basis of TS and TV sensors, control of the boiler, burner and boiler pump based on TSV and TK sensors
Function for automatically starting the burner after the wood burns out



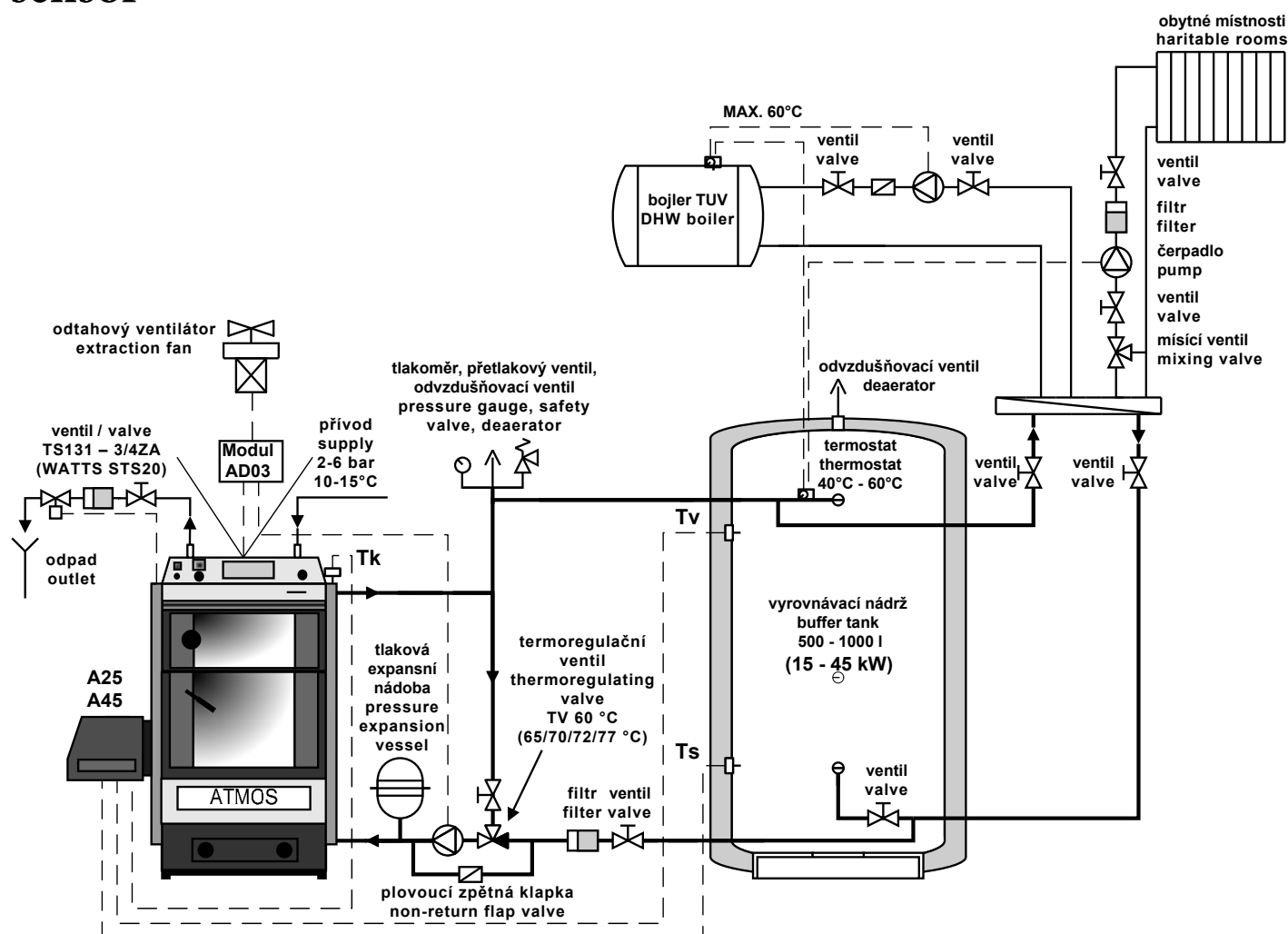
DCxxSP(X) boilers model 2019/2020 have everything in basic equipment. The whole set is sold in the **maximum range**, for fully automatic mode and simple plug and play installation.

To make everything work well, in addition to the basic power setting (parameter T4 and T6) and settings of combustion quality on the fan (fan flap) necessary adjust the parameters: S6 = 4, S14 = 13, S15 = 2, S34 = 2

For boilers DCxxSP(X), CxxSP we recommend to set **S40 = 1** for better operation of the pump in the boiler circuit.
(reserve R - parameter S6 controls the boiler fan, reserve R2 - parameter S14 controls the boiler pump)



Connection of boilers D20P, D30P, D40P, D50P with an accumulation tank for burner control on the basis of TS and TV sensors and control of the boiler pump on the basis of the TK sensor



INFO - The TV and TS sensors on the accumulation tank and the TK sensor on the boiler are connected directly to the burner. The AD03 module is inserted under the instrument hood of the boiler and is connected to the terminal board of the boiler (AD03 module - LC clamp - pump, LA clamp - fan), where it controls the extraction fan and pump in the boiler circuit.

For the boiler, burner and the conveyor nothing needs to be bought as an accessories.

To make everything work well, in addition to the basic power setting (parameter T4 and T6) and settings of combustion quality on the fan (fan flap) necessary adjust the parameters: S6 = 4, S14 = 13, S15 = 2

(reserve R - parameter S6 controls the boiler fan, reserve R2 - parameter S14 controls the boiler pump)

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