wood pellets

Cm Pelet set

Cm Pelet-set central heating equipment is meant to be installed on new or previously installed EKO-CK P and EKO-CKB P hot water boilers with nominal heat output 20 to 110 kW or EKO-CK and EKO-CKB boilers with nominal heat output 20 to 50 kW. The **Cm Pelet-set** and the boiler together make a functional unit, i.e. a mini heating system for pellet firing. The automatic functioning of such a mini heating system offers a high level of convenience and makes them suitable for a wide range of users. It is manufactured in accordance with the standards EN 303-5 and ISO 9001. From an operational point of view, such systems do not fall behind compared to oil or gas powered heating systems and if we compare fuel consumption, they are 40% more cost effective than the ones powered by oil. Pellets are a renewable energy source and an ecologically very acceptable fuel.

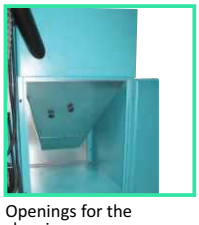
CHARACTERISTICS OF Cm Pelet Set EQUIPMENT:

- **It is delivered ready to be installed on new or previously installed EKO-CK P and EKO-CKB P hot water boilers with nominal heat output 20 to 110 kW or EKO-CK and EKO-CKB boilers with nominal heat output 20 to 50 kW.**
- **Together with the boiler it creates a functional unit, a mini heating system for pellet firing.**
- **The mini heating system is controlled by the digital boiler regulator which automatically activates and deactivates the system and keeps heating very comfortable.**
- **It is possible to connect the mini heating system directly to heating system or through accumulation tank (CAS) with a minimum volume of 10 l/kW and 3-way thermal valve on 60°C or motor powered 3-way mixing valve.**
- **The fan and the electric heater installed inside the burner, digitally regulated, automatically fires the pellets and keeps the fire in.**
- **Up to 40% fuel cost-savings comparing with oil fired systems.**
- **Cleaning, depending on the power of the boiler and the quality of pellets, after one consumed container (200/400 kg) lasts 5 minutes.**
- **Pellets container (volume 370/800 l) is a constituent part of the system and it is being filled from the upper side, according to need.**
- **It is possible to install equipment for automatic supply of pellets from a bigger tank through flexible pipes up to 10 metres in distance and up to 4 meters in height, exclusively for ENPlus A1 and DINplus pellets.**
- **It is possible to install a flap on the burner fan to prevent air from circulating through the boiler when the burner is not working.**
- **It is possible to install air-cleaning of the burner.**
- **Option to link several units in a cascade.**
- **It is delivered dismantled which makes it easier to transport and house.**

Digital regulation CPREG and feeder screw CPPT

Pellet burner CPPL

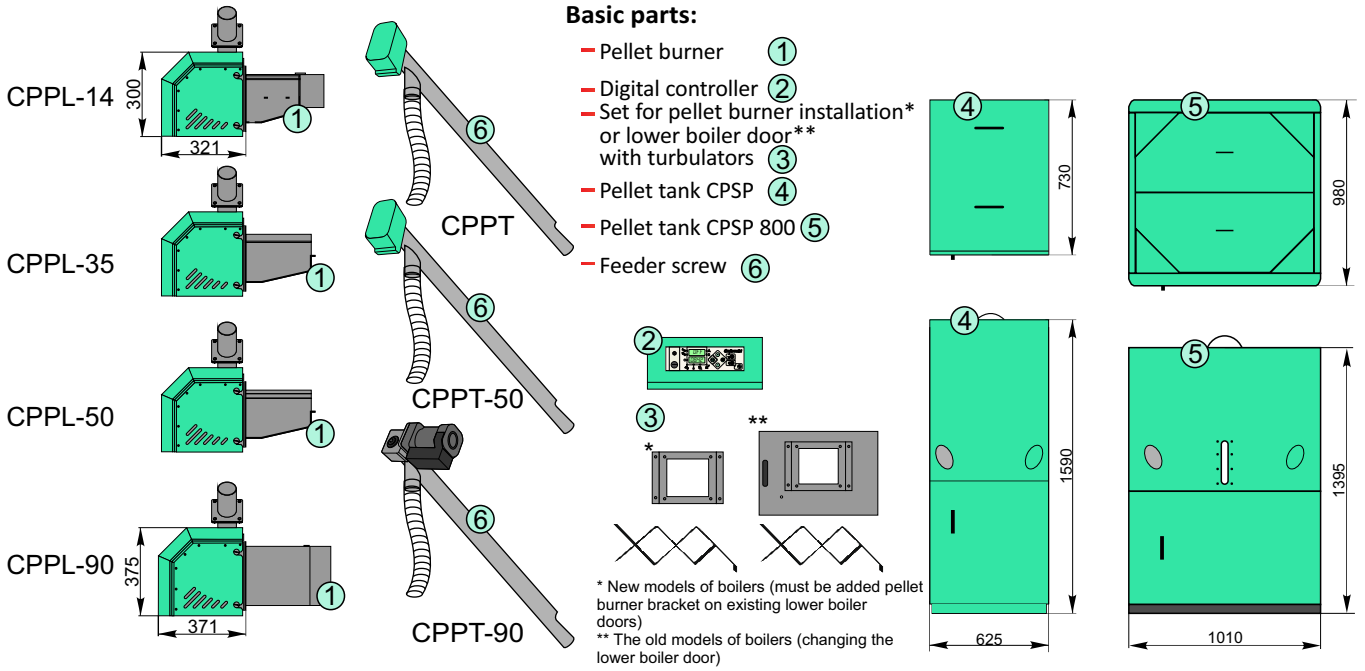
Pelet tank CPSP



Openings for the cleaning

Cm Pelet set 14-90

BASIC PARTS AND ADDITIONAL EQUIPMENT:



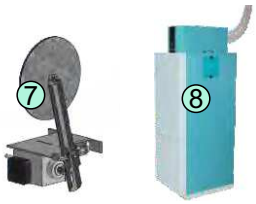
Basic parts:

- Pellet burner ①
- Digital controller ②
- Set for pellet burner installation* or lower boiler door** with turbulators ③
- Pellet tank CPSP ④
- Pellet tank CPSP 800 ⑤
- Feeder screw ⑥

* New models of boilers (must be added pellet burner bracket on existing lower boiler doors)
** The old models of boilers (changing the lower boiler door)

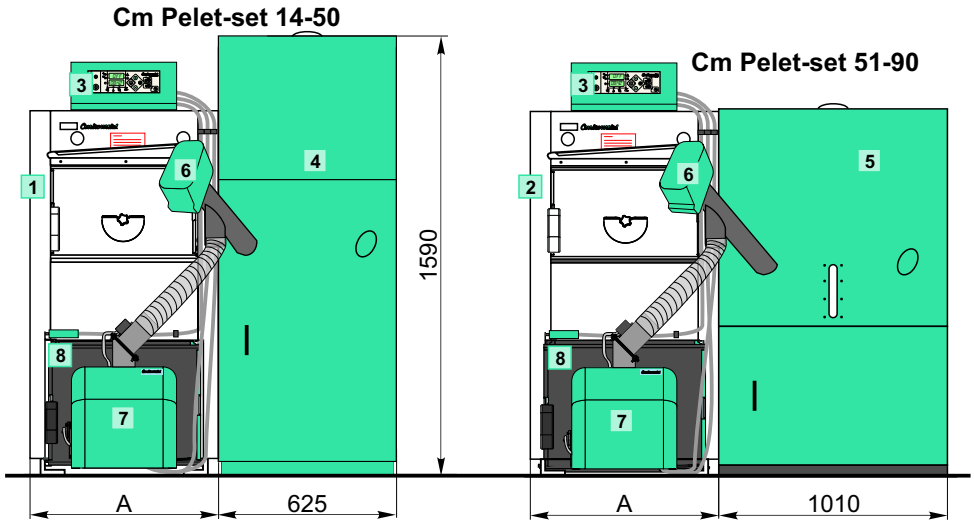
Additional equipment:

- Burner with fan flap ⑦
- Air-cleaning of burner (using compressed air)
- CVT vacuum pellet supply: ⑧



BASIC DIMENSIONS:

1 - Boiler (EKO-CK P, EKO-CKB P)
2 - Boiler (EKO-CK P 70,90,110)
3 - Digital controller
4 - Pelet tank CPSP
5 - Pellet tank CPSP 800
6 - Pellet burner CPPL
7 - Pellet transporter CPPT
8 - pellet burner installation set / lower boiler door



Cm Pelet-set		14	20	25	30	35	40	50	60	70	90
Type of the burner		CPPL-14	CPPL-35	CPPL-35	CPPL-35	CPPL-35	CPPL-50	CPPL-50	CPPL-90	CPPL-90	CPPL-90
Nominal heat output of set (set + boiler)	(kW)	14	20	25	30	35	40	50	60	70	90
Type of the boiler - EKO-CK/-B P		20	25	30	35	40	50	60	70	90	110
Volume of the pellet peleta CPSP	(lit.)	370	370	370	370	370	370	370	-	-	-
Volume of the pellet tank CPSP-800	(lit.)	800	800	800	800	800	800	800	800	800	800
Power supply	(V/Hz)	230/50									
Širina kotla A	(mm)	470	470	470	520	570	620	620	620	640	690
Set for pellet burner installation*		14-25	14-25	14-25	30/35	30/35	40/50	40/50	-	-	-
Lower boiler door** (only old models of boilers)		CPDV 14-25	CPDV 14-25	CPDV 14-25	CPDV 30	CPDV 35	CPDV 40-50	CPDV 40-50	CPDV 60-70	CPDV 60-70	CPDV 90-110