

WOOD PELLET BOILER

EKO-CK P and EKO-CKB P Cm Pelet-set

14-50 kW

The steel hot water boilers *EKO-CK P*, with nominal heat outputs from 14 to 50 kW and *EKO-CKB P*, with nominal heat outputs from 14 to 40 kW, with the obligatory additional *Cm Pelet-set* unit are engineered for wood pellet firing. The additional special feature of the *EKO-CKB P* range is a stainless steel hot water heater inside the boiler. The boilers are engineered to meet heating demands from the smallest to the largest premises, as a main or as an alternative heat source. This product can be easily recognized by its modern design, by its synthesis of modern technologies and its quality of materials, as well as through its simple and easy assembly and its straightforward operation and control. The *Cm Pelet-set* and the boiler make up a single functional unit, a mini heating system for wood pellet firing. Automatic operation of these mini heating systems offers a high level of ease of use and makes these boiler units suitable for a wide range of users. From a functional point of view, they are as convenient to run as an oil or gas firing heating system, while the pellet fuel is at least 40% more cost efficient than an oil fired system.



CHARACTERISTICS OF BOILERS EKO-CK P AND EKO-CKB P AND Cm Pelet-set:

- A carefully sized combustion chamber with triple pass flue gas flow and turbulators for better heat exchange assure the operating of the boiler with high efficiency rate. This makes it very "economical to use".
- The domestic hot water heater (EKO-CKB P) is made of a high quality stainless steel, assuring high hygienic standards. Its position inside the boiler ensures a supply of domestic hot water which is quickly available.
- The combustion chamber is made out of high quality 5 mm thick steel sheet.
- The big door enables easy cleaning and maintenance.
- The operation of the boiler and burner is automatically adjusted by the digital boiler controller, which automatically activates and deactivates the system and safely maintains temperatures at the desired level.
- The pellet tank (ca. 240 kg) is a part of the unit and can be loaded from the top.

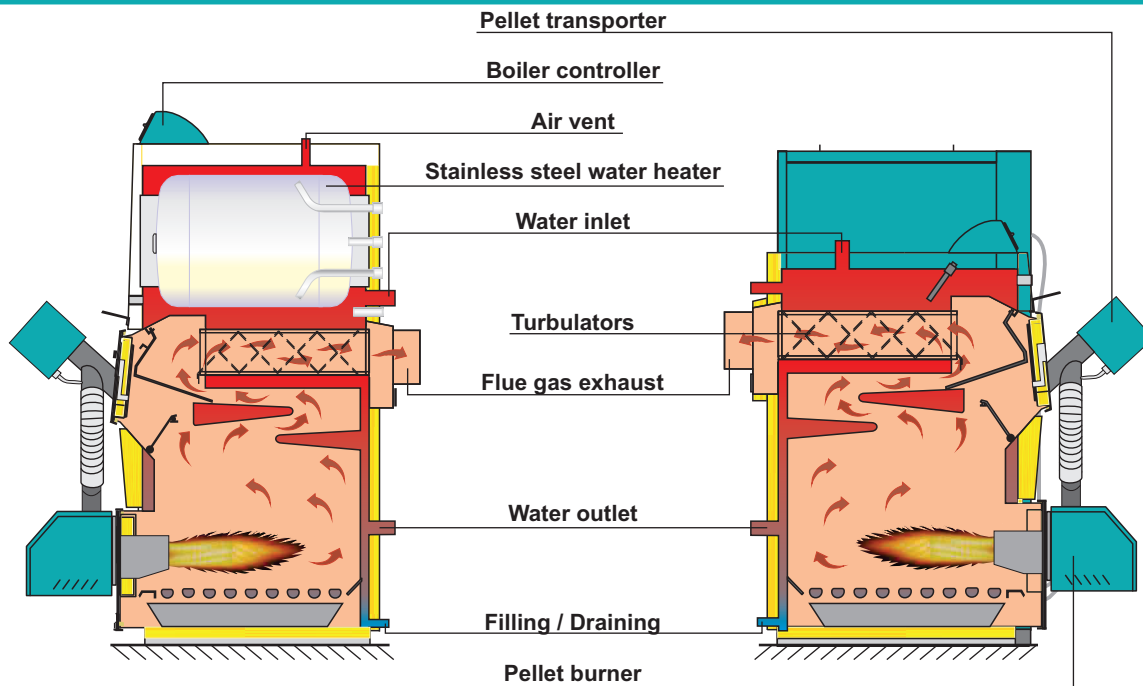
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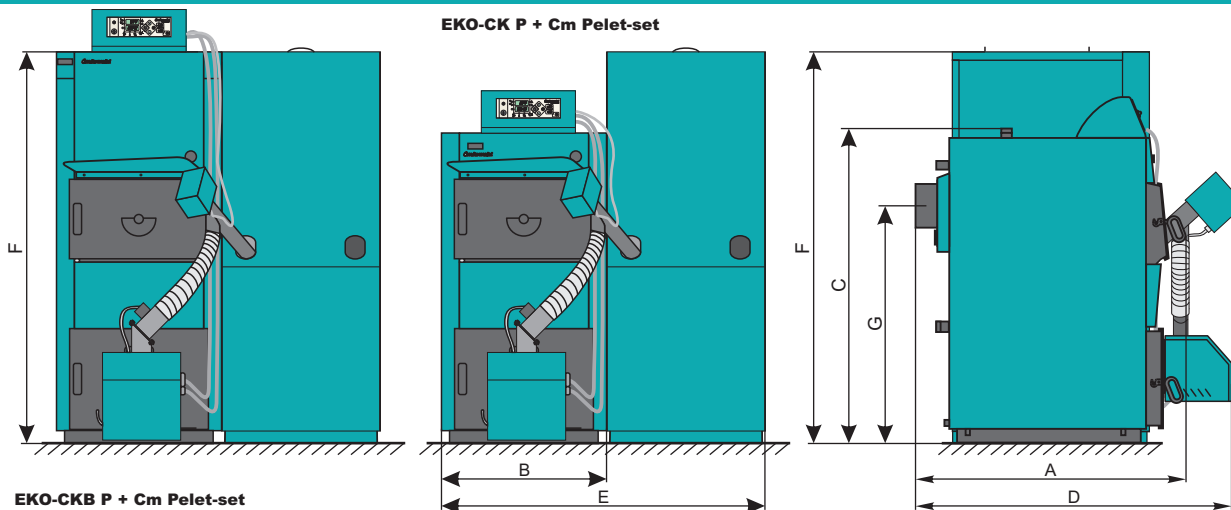
HEATING TECHNIQUE

Centrometal



BOILER DIMENSIONS

EKO-CK P + Cm Pelet-set



EKO-CK P + Cm Pelet-set	20	25	30	35	40	50	60
EKO-CKB P + Cm Pelet-set	20	25	30	35	40	50	-
Nominal heat output (kW)	14	20	25	30	35	40	50
Boiler water content CK P (l)	60	64	67	76	78	96	118
Boiler water content CKB P (l)	81	87	90	98	106	118	-
DHW tank water content CKB P (l)	65	72	80	80	80	100	-
Boiler mass CK P (kg)	227	234	255	266	293	337	355
Boiler mass CKB P (kg)	271	281	303	322	343	375	-
Inlet / outlet (R)				5/4"			
Filling / Draining (R)				1/2"			
Chimney draught (Pa)	11	12	13	14	15	20	22
Flue gas exhaust diameter* (mm)	150	150	160	160	180	180	180
Max. operat. temperature (°C)				90			
Max. operat. pressure (bar)				2,5			
Volume of the pellet tank (l)				370			
Fuel size (wood pellets) (mm)				fi 6 x max. 50			
Dimension A (mm)	985	1020	1020	1020	1020	1140	1140
Dimension B (mm)	470	470	520	570	620	620	620
Dimension C (mm)	1255	1255	1255	1255	1255	1255	1355
Dimension D (mm)	1280	1315	1315	1315	1315	1440	1440
Dimension E (mm)	1100	1100	1150	1200	1250	1250	1250
Dimension F (mm)	1610	1610	1610	1610	1610	1610	1610
Dimension G (mm)	930	930	930	930	930	930	1025

* - chimney inside diameter has to be determined according to the boiler rated thermal output, height of the chimney and almost always it has to be bigger than the flue gas exhaust tube diameter.