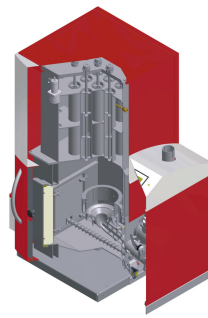
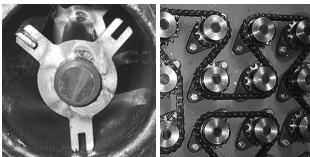


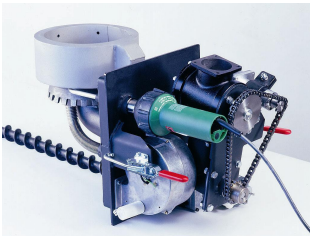
PK-Series Pellet Boiler by Binder



The Binder PK-series has a reputation for high efficiency with minimal emissions. Total reliability and user friendly operations make this the perfect boiler choice for residential areas and public buildings.



Tubulators fitted within the tube heat exchanger provide efficient gas disruption to maximise heat transfer to the water jacket. They also serve as automatically operated tube cleaning system.



Capacity control of the combustion fan, exhaust fan speeds and fuel feed provide efficiencies of up to 94.7%.

Boiler Features

- Boiler with vertical heat exchanger tubes made out of high-grade boiler steel at a maximum working pressure of 3.5bar.
- Fully automated boiler cleaning system for regular de-ashing of the tube heat exchanger with built in tubulators for optimum heat transfer.
- High limit boiler thermostat
- Sensors for monitoring boiler and exhaust gas temperatures.
- Boiler cover manufactured from powder coated sheet steel panels incorporating full fibre glass insulation.
- Burner unit can be site installed at either side of boiler body.

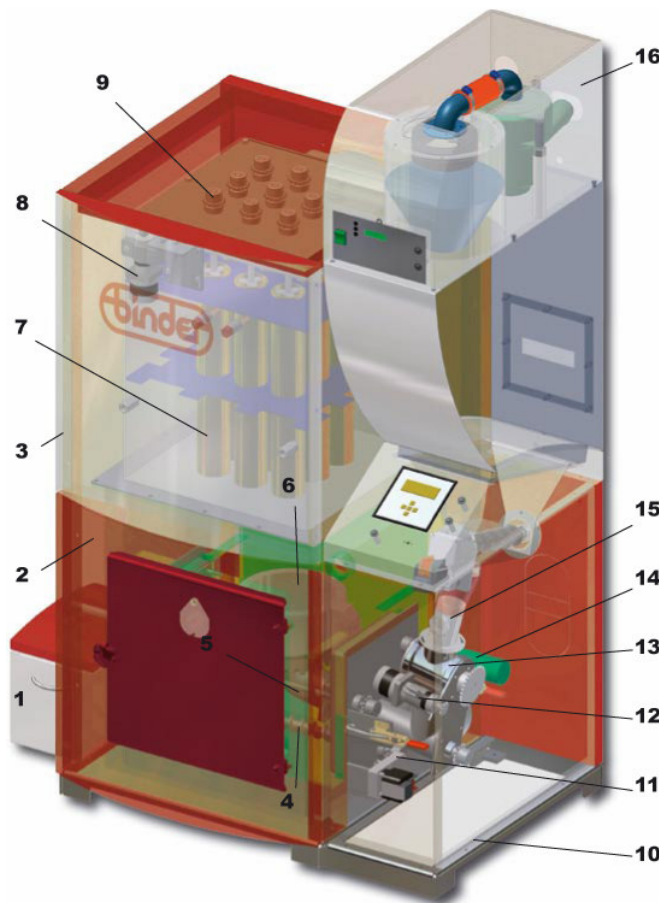
Innovative Burner System

- Underfed pellet hearth burner made out of high thermal inertia high tensile grade steel.
- Double combustion zone with pre-heated multiple air distribution.
- Automatic electric ignition with industry proven ignition unit.
- User friendly maintenance regime with automatic rotating hearth system and ash disposal to external ash receiver
- Speed controlled combustion and exhaust fans
- Stoker auger made out of low maintenance high-grade steel with twin support bearings and maintenance free drive unit
- Rotary valve for 100% burn-back safety device and for optimized fuel dosage.

Fully automatic micro processor control system

- Full automatic capacity control from 30-100% output to exactly match the required load.
- Fuel and combustion air control with exhaust temperature sensing.

PK-Series Pellet Boiler by Binder



Caption

- 1 Ash box
- 2 Water cooled combustion unit
- 3 Fully insulated boiler cover
- 4 Ash auger
- 5 Stoker auger
- 6 Burner with secondary combustion ring
- 7 Heat exchanger
- 8 Turbulator Motor
- 9 Turbulators
- 10 Burner Housing
- 11 Combustion air fan
- 12 Stoker Auger Motor
- 13 Rotary valve
- 14 Ignition Unit
- 15 Drop tube with fuel level sensor
- 16 Optional pneumatic fuel delivery system

All components are designed for boiler installation in a room with a door clearance of 900mm.



PK 15 and 25



PK 45

Type	Nominal outout [kW]	Exhaust pipe [mm]	Boiler dimensions [mm] W x H x D	Weight [kg]
PK 15	4,3 – 14,9	Ø130	1240 x 1550 x 870	486
PK 25	6,3 – 25,15	Ø150	1240 x 1550 x 870	511
PK 45	8,6 – 46,7	Ø180	1450 x 1710 x 1150	550

All data subject to technical changes. Pictures are only indicative.