



FilterBox – the highly efficient micro-dust filter for you wood boiler

The FilterBox is an electrostatic precipitator. It will considerably reduce your micro-dust emission from your wood boiler.

The FilterBox is suitable for different kinds of wood boilers like log, woochip or pellet boilers with up to 800 kW capacity.

The FilterBox stands out with its very high precipitation efficiency of up to 85%. An energy recovery heat exchanger can be installed after the FilterBox, so you can use the energy from your exhaust gas. Therefore, you efficiency of your heating system can be considerably improved.

Facts of the FilterBox

- A high efficiency rate
- Automatic filter cleaning system
- Low in maintenance
- Retro-fit
- Capacity up to 800 kW
- Low energy usage
- Considerable improvement of the air quality
- You will reach governmental air quality levels
- For Pellet, log and wood chip boilers

Voraussetzungen für den Einbau

- Electrical connection of 230 VAC
- Fresh water availability and sewage connection
- Only untreated wood can be used as a fuel

Installation. The FilterBox will be directly installed after the boiler in the boiler room.

Particle precipitation. The FilterBox will achieve precipitation efficiency of up to 85 %. Due to an electrostatic field the particles will be ionised. The dust particles will be precipitated and accumulated on filter material made out of chrome steel ring pieces.

Controlling. Parameterization and controlling of FilterBox can be done by the touch screen control box. All operational parameters can be controlled, adjusted and called up by touch screen control box.

Cleaning. The filter material made out of chrome steel rings and the electrodes will be automatically cleaned with water. The cleaning process and the cleaning intervals will be programmed into the system depending on the requirement.

Heat Exchanger. Using a FilterBox with you biomass combustion will give you the opportunity to add on a heat exchanger. The heat exchanger will recover up to 15% of you energy from the exhaust gas and gives you heating system an even better efficiency.

Types of FilterBoxes. The company OekoSolve offers you two different types of FilterBoxes with different capacities:

FilterBox 4-200
 Max. 1500 m³/h

FilterBox 4-300
 Max. 2500 m³/h

Plannig, design and dimensional drawings please visit the website:
www.oekosolve.ch

