



## OekoRona – The micro-dust filter for your wood and coal boiler.

**The OekoRona is an electrostatic precipitator, which considerably reduces the emission of micro-dust caused by wood and coal boilers.**

**The OekoRona is suitable for any kind of automatic wood and coal boilers with an output up to 1 MW using wood chips, logs, pellets or coal.**

**The OekoRona is directly installed after the boiler in the boiler room and can be fitted with either a new installation or retro-fitted to an existing boiler. Due to the automatic mechanical cleaning system a fully automatic operation is possible.**

### **OekoRona Facts**

- High efficiency of precipitation
- Fully automatic mechanical cleaning system
- Compact construction
- Low wear and tear; low maintenance needed
- Easy to retro-fit
- Operational for negative or excess pressure
- Insulation (low draught loss)
- Low use of energy
- For pellet, log wood, wood chip and coal boilers
- Output up to 1 MW capacity

**Particle precipitation.** The OekoRona function is based on the electrostatic principle. Due to the high voltage generated the dust particles in the raw gas get charged and precipitate to the inner wall of the filter tubes. The efficiency of the filter is about 80%.

**Set up.** The OekoRona is directly installed after the boiler in the boiler room. The device can be used either for new installations or be retro-fitted to existing heating systems.

**Operation.** The filter unit can be automatically switched on or off either by a direct boiler signal or a temperature gauge. Operating parameters can be set and checked by the touch display.

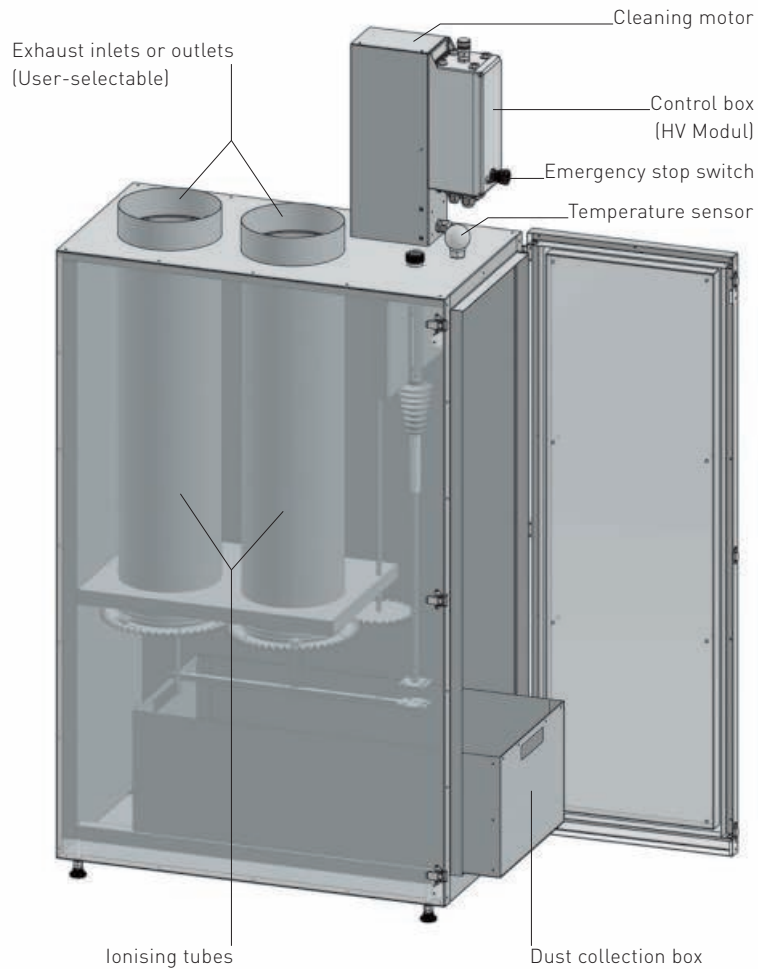
**Cleaning.** The collected dust in the tubes is automatically removed by scraping the inner wall. The dust falls into the dust collection box. The filter can be optionally equipped with an automatic auger system which removes the dust from the box to a larger separate container.

**Models.** OekoRona models are available in six different output sizes up to 300 kW.

OekoRona filter for heating systems with larger outputs (up to 1 MW) are available at request and custom made.

Planning documents and dimensional drawings can be found on our website: [www.oekosolve.ch](http://www.oekosolve.ch)

## Construction



## OekoSolve: Various types and ranges of micro-dust filters

