



## OekoRona M – The electrostatic micro-dust filter for your biomass boiler up to 1 MW.

**The OekoRona M is an electrostatic precipitator which considerably reduces the emission for micro-dust caused by fully automatic biomass boilers with an output between 200 kW and 1 MW.**

**The OekoRona M is made from single modules and can be fitted with either a new installation or retro-fitted to existing wood boilers.**

**Due to the fully automatic mechanical cleaning system a fully automatic operation is possible and the maintenance of the precipitator can be kept to a minimum.**

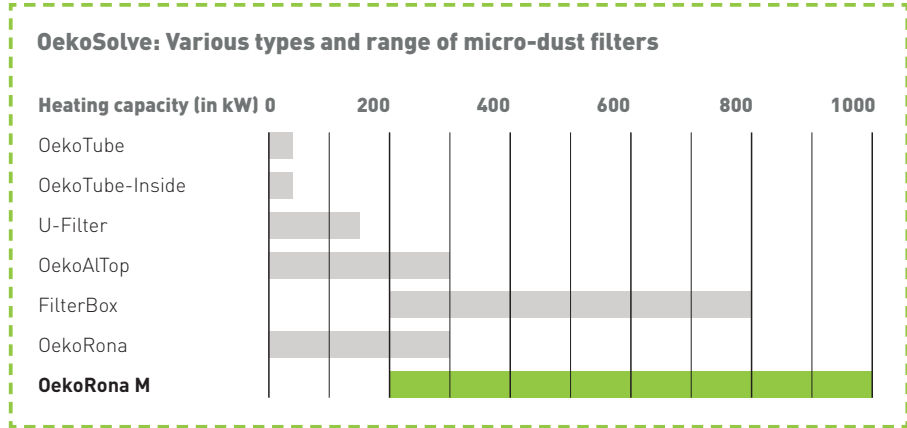
### **OekoRona M facts**

- for all pellet and wood chip boilers
- fully automatic mechanical and very quiet cleaning system
- high efficiency of precipitation
- very low operational costs
- retro-fit possible
- operational for negative or excessive pressure
- fully integrated by-pass system
- very low energy consumption
- various installation heights available
- flexible ash extraction
- max. raw gas temperature of 250°C

**Particle precipitation.** The OekoRona M function is based on the electrostatic principle. Due to the high voltage electrode the micro-dust particles in the raw gas get charged and they precipitate to the inner wall of the filter tubes which are located within the filter box.

**Installation.** The OekoRona M is preferably installed directly after the boiler in the boiler room. Due to the modular design of the OekoRona M it can be installed in very complex and difficult situation due to its single modular components.

**Operation and maintenance.** All single operational parameters can be set and checked by a touch display. Due to rotating valves the precipitated dust will be scratched off from the tubes and fall down into a tub. With the help of an extraction auger the precipitated dust will be removed from the tub into an external dust container. This dust con-



tainer must emptied by the operator on a regular base. The dust tub has a fully integrated electrical heating system to reduce any condensation.

**Various models.** The OekoRona M is in different operational sizes available. The size and the design are depending on the output of the biomass boiler as well as the type of fuel. The design of the OekoRona M depends on the

client's requirements and the local installation situation and therefore, each OekoRona M is custom made. Planning papers and drawings for the various installation sizes can be found on our website [www.oekosolve.ch](http://www.oekosolve.ch). For more specific and detailed information please do not hesitate to contact us so we can set up a meeting with you to discuss your requirements at your plant site.

## Construction description

