



## OekoRona M – Electrostatic filter for your biomass boiler up to 3 MW

### ESP's

Electrostatic precipitators



up to 100 kW  
OekoTube



up to 500 kW  
OekoRona



up to 3 MW  
**OekoRona M**

Wood chips dryer with integrated ESP:



up to 10 MW  
Neviro

**The OekoRona M is an electrostatic precipitator which considerably reduces the emissions for particulate matter (PM) caused by fully automatic biomass boilers with an output between 200 kW and 3 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 chips boilers
- Fully automatic mechanical and very quiet cleaning system
- High efficiency of PM removal
- Retro-fit possible
- Reliable in negative or excessive pressure
- Fully integrated bypass system
- Very low energy consumption
- Various installation heights available
- Flexible ash removal
- Max. raw gas temperature of 250 °C

**Particulate Matter.** Particles with a diameter below 10 microns are hazardous to our health. The particles enter the blood vessels via the lungs. The use of an OekoRona M actively improves the ambient air quality.

**Particle precipitation.** The OekoRona M function is based on the electrostatic principle. Due to the high voltage electrode, the particulate matter in the raw gas become charged and accumulate at the inner wall of the tubes.

**Installation.** The OekoRona M is preferably installed directly after the boiler in the boiler Room. Due to the modular design, the OekoRona M can be installed

in very complex and difficult locations 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 falls down. With the help of an extraction auger, the precipitated particulate matter will be removed from the tub into an external dust container. The container must be emptied regularly. The dust tub has a fully integrated electrical heating system to reduce any condensation.

**Various models.** The OekoRona M is available in different operational sizes.

The size and the design depend on the output of the biomass boiler and the type of fuel used. The design of the OekoRona also 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 to set up a meeting with you to discuss your requirements at your plant site.

