



OekoRona M – The electrostatic micro-dust filter for your biomass and coal 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 and coal 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 and coal 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

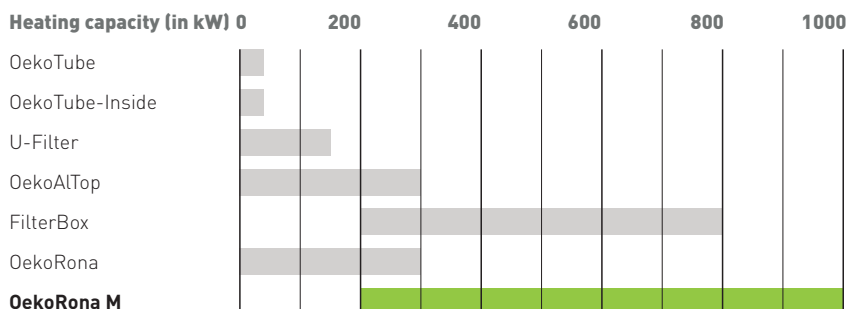
- for all pellet, wood chip and coal boilers
- fully automatic mechanical and very quiet cleaning system
- high efficiency of precipitation
- very low operational costs
- retro-fit possible
- operational for negative or excessive pressure
- fully integrated by-pass system
- very low energy consumption
- 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 high voltage electrodes 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-

OekoSolve: Various types and range of micro-dust filters



tainer must be 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 or coal 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. 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

