



OekoRona M – the electrostatic precipitator for your biomass boiler up to 3 MW

Product overview

Electrostatic precipitator:



up to 50 kW
OekoTube-Outside
OekoTube-Masonry



up to 100 kW
OekoTube-Inside



up to 500 kW
OekoRona



up to 3 MW
OekoRona M

The OekoRona M is an electrostatic precipitator that significantly reduces fine dust emissions from automatic wood combustion systems with outputs between 300 kW and 3 MW.

The separator has a modular design and can be installed in both new and existing systems. The mechanical cleaning system enables automated operation of the separator and minimizes maintenance.

OekoRona M facts

- For use with automatic wood fired biomass boilers up to 3 MW
- Automatic, mechanical cleaning
- Tested separation efficiency
- Low operating costs
- Easy to retro-fit
- Operational for negative and positive pressure
- Bypass
- Low energy consumption
- Flexible system designs
- Flexible dust discharge
- Operation optimization through remote maintenance

Particle separation. The OekoRona M works according to the electrostatic principle. The fine dust particles contained in the raw gas are charged by high-voltage electrodes and adhere to the inner wall of the separator tubes, which are located inside the filter.

Installation. The OekoRona M is preferably installed directly after the boiler in the boiler room. Due to the modular design, it is possible for complex installation situations, the filter can also be installed in individual parts.

Operation and maintenance. The operating parameters can be monitored and set via a touch display. The collected dust is mechanically scraped off the tubes with scrapers and falls into

a trough in the lower part of the filter. With the help of automatic screw discharge, the collected dust is fed into an external container. This is emptied regularly by the operator.

Trace heating. The fine dust filter has an integrated electrical or hydraulic trace heating, which serves to reduce the formation of condensation in the dust tray.

Remote maintenance. Settings and malfunctions can be analyzed and rectified remotely. This increases filter availability and maintenance costs can be reduced.

Model overview. The OekoRona M is available in various sizes. The dimensions depend on the output range of the boiler to be equipped and its fuel. The dimensions can be customized to suit local conditions.

Planning. Dimensional drawings and planning documents for each size can be found on our website. For further information, please contact us directly and arrange an appointment to view the system on site.

Components

