

# BIOFILTER EXHAUST AIR TREATMENT

Vorwagner Kreislaufwirtschaft GmbH & Co KG – Pinsdorf, Austria

Waste Management





## Biofilter exhaust air treatment, Waste Management

A biofilter-based exhaust air cleaning system for conditioning heavily polluted and strong smelling exhaust air was constructed in Pinsdorf near Gmunden/Upper-Austria, at Vorwagner Kreislaufwirtschaft. Vorwagner Kreislaufwirtschaft is based in Upper-Austria, Salzburg region. As one of the most important waste disposal companies its mission is the

professional collection and disposal of dangerous waste from entire Austria, in accordance with legal obligations. The company has a modern chemical-physical waste water treatment plant for the conditioning of liquid and paste-like waste. During the waste treatment, heavily polluted exhaust gas and strong smelling exhaust air emerge and are fed into the

complex exhaust air cleaning system. Through multiple chemical-physical treatment steps which are implemented in a redundant arrangement, the exhaust air becomes conditioned and cleaned of pollutants making subsequent biological treatment possible. The following biofilter ensures that the odor pollution for the surrounding area is prevented.

EXHAUST AIR DATA	
Controllable exhaust air amount	max. 10.000 m <sup>3</sup> /h
Exhaust air temperature at exhaust points	+ 10°C to + 60°C
Number of exhaust points	16
BIOFILTER	
Number of biofilter containers	1 unit
Design	closed, pressure-tight glass fibre reinforced plastic
Efficiency	95 %
MACHINE TECHNOLOGY	
Exhaust air ventilator	2 units, multi-stage
Vapor scrubber	3-step, chemical
Chemicals regulation station	incl. safety installations
Air heating	pipe bundle
Other	washing water treatment

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