

Envibat WESP Installation

Fire laboratory

Sweden

Treatment of gases from fire laboratory

This fire laboratory has been using Envi-bat's technology since 1999. High flexibility, extremely low emissions and high availability are key advantages.

The laboratory performs many fire experiments in a large scale. Examples include fires in machines, shop interiors and apartments. All phases of a fire are simulated - from ignition to a fully developed fire, followed by extinguishing. The fires initially develop a large amount of soot, then emit gas at high temperatures (500-700°C). The testing is carried out every day, with highly variable gas flows. The equipment is started and stopped every day.

Measurements show emissions substantially lower than the allowed levels.



Process data

Gas flow	300 - 250 000 Nm ³ /h
Gas temperature, to scrubber	20 - 700 °C
Dust inlet	50 - 2000 mg/Nm ³

Customer experience

"Besides the emission level, we specified criteria for robustness, varied temperature and gas flow ranges, presence of glowing particulates - and a low operating cost. Our choice of a WESP from Envi-bat has proven itself to have addressed all our aspects - for more than 20 years now."