

# Low Pressure Fabric Filter

**ENVIROTHERM**

<b>Project</b>	<b>BiR, Baghouse filter for gas cleaning for waste incineration</b>
<b>Client</b>	<b>BiR Avfallsenergi A/S</b>
<b>Location</b>	<b>Bergen, Norway</b>
<b>Completion</b>	<b>October 2016</b>
<b>Type of Filter</b>	<b>Low pressure pulse jet fabric filter</b>

## Special Features

*The Envirotherm / Lurgi Low Pressure Pulse Jet Fabric Filter are responsible for the dry flue gas cleaning by means of absorption and adsorption and for collecting fine dust. Hereby the generated product of the dry FGD and non-reacted absorbent will be precipitated by the fabric filter and recirculated into the process. The technology from Envirotherm was chosen due to the high availability and reliability combined with lowest maintenance expenditures.*

## Scope of supply

*Design, supply, erection and commissioning of the baghouse filter including flue gas ducts, lime & activated coke storage and conveying system, residue discharge. Envirotherm received a turnkey contract.*

## Process Conditions

• Gas Flow (standard wet)	122.300 m <sup>3</sup> /h (STP)
• Temperature	110 – 130 °C
• Gas Flow (actual)	180.550 m <sup>3</sup> /h
• Inlet Dust Burden	30 - 50 mg/m <sup>3</sup> (STP, dry)
• Outlet Dust Burden	< 3 mg/m <sup>3</sup> (STP, dry)
• SO <sub>2</sub> -Emission	< 25 mg/m <sup>3</sup> (STP, dry)
• HCl-Emission	< 5 mg/m <sup>3</sup> (STP, dry)
• Hg-Emission	< 0,025 mg/m <sup>3</sup> (STP, dry)
• Bag Material	PPS

