

Low Pressure Fabric Filter

ENVIROTHERM

Project	Skærbækverket SKV 40 conversion for wood-chips 2 x 140 MW el. + 40 MW th.
Client	DONG Energy Thermal Power A/S
Location	Fredericia, Denmark
Completion	July 2016
Type of Filter	Low pressure pulse jet fabric filter

Special Features

The Envirotherm / Lurgi Low Pressure Pulse Jet Fabric Filter are responsible for the dry flue gas cleaning by means of absorption 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 2 baghouse filters including I.D.-fans, flue gas ducts, lime and residue discharge, conveying and storage system.

Envirotherm received a turnkey contract.

Process Conditions

- Gas Flow (standard wet) 2 x 335.000 m³/h (STP)
- Temperature 120 – 155 °C
- Inlet Dust Burden 1.700 – 3.500 mg/m³ (STP, dry)
- Outlet Dust Burden < 5 mg/m³ (STP, dry)
- SO₂-Emission < 75 mg/m³ (STP, dry)
- Bag Material PPS

