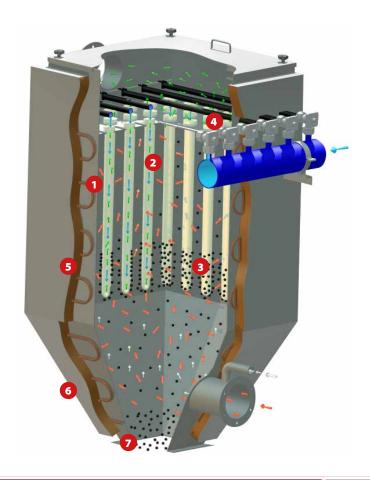




FINE DUST FILTER

Fine Dust Filter for Biomass-Firing Systems

The fine dust filter NGFL is offered in a compact and modular design. The filter is available for automatic fed, biomass-firing systems. This fine dust filter works with microporous ceramic filter elements for highest separating performance of up to 99,99% efficiency. This means in practice dust levels of < 1 mg/Nm³ are achievable.



- 1 The flue gas is sucked though the ceramic elements
- 2 Ceramic filter elements
- 3 The small fine dust particles are collected on the outer surface from the filter elements
- 4 The fine dust particles are removed from the element by means of a countercurrent pulse
- 5 Insulation
- 6 Heat tracing optional
- 7 The particles fall into an ash collection container

Advantages

- residual dust quantity ≤ 2,5 mg/Nm³, typically < 1 mg/Nm³</p>
- ✓ no cyclone pre-separator needed
- ✓ ceramic filter elements temperature-resistant up to
 > 1000 °C and resistant towards burning and flying sparks
- automatic time and difference pressure controlled cleaning of the filter elements by compressed air
- ✓ automatic ash removal depending on ash quantity
- ✓ retrofittable
- ✓ compact, modular design
- ✓ fulfills the requirements of all currently valid funding programmes
- ✓ also for waste wood
- ✓ remote maintenance

Technical Data

- **★** max. flue gas side flow resistance: 30 mbar
- ♣ max. temperature: up to 400 °C
- integrated or separate control for retrofitting
- ♣ 8 standard sizes or by customer requirements
- ◆ dust bins: in different sizes
- ♣ mineral wool insulation: 60 mm



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