

Basic information for request of hot gas generator

1. Client

Company _____
 Contact person _____
 Telephone / Email _____ / _____
 Reference no. client _____ Carbotechnik _____

2. Installation location

Country / city _____ / _____
 Height above sea level _____ m
 Temperature _____ °C (MIN) _____ °C (MAX) _____ °C (normal)
 Installation location dry ☐ yes ☐ no
 ATEX-Zone around HGG ☐ no zone ☐ zone 22

3. Combustible

Type of combustible _____
 Grain size distribution _____
 Net calorific value (LHV) _____ kJ / kg_{comb.} (MIN) _____ kJ / kg_{comb.} (MAX)
 Volatiles _____ weight-% waf water content _____ weight-% af
 Ash content _____ weight-%
 Alternative combustible gas ☐ yes ☐ no
 Ignition gas ☐ natural gas ☐ propane ☐ _____
 Flow pressure ☐ 500 mbar g ☐ _____ mbar g

4. HGG

Firing of _____
 Installation of HGG ☐ horizontal ☐ vertical
 Power firing (max. 1:3) _____ MW (MIN) _____ MW (MAX)
 Hot gas temperature _____ °C (MIN) _____ °C (MAX)
 Air flow (max. 1:2) _____ Nm³/h (MIN) _____ Nm³/h (MAX)
 O₂ vol. in hot gas ☐ not relevant ☐ _____ % vol. O₂
 Recirculation gas available _____ °C _____ Nm³/h _____ % O₂ vol.

5. Electrics

Power supply ☐ 400 V AC ☐ _____ V AC ☐ 50 Hz ☐ 60 Hz
 Control voltage ☐ 24 V DC ☐ _____

6. Emissions

Limits [mg/Nm³] at _____ % vol.O₂ reference _____ CO _____ NO_x _____ SO₂
 Noise level MAX. (1 m distance) ☐ 85 dB(A) ☐ _____ dB(A)

7. Installation

☐ mechanical installation ☐ electrical installation ☐ commissioning
☐ hot gas channel _____ m length ☐ _____

8. Other
