QUESTIONNAIRE CO_2-RECUPERATION PLANT

Please send this questionnaire back to:

Buse Gastek GmbH & Co KG
Sprudelstrasse 3, D-53557 Bad Hönningen
Tel.: 0049 2635 781 – 0
Fax: 0049 2635 781 – 192
E-mail : info@buse-gastek.com

Company name: _____

Company address: _____

Company phone / fax: _____

Contact Person: _____

Plant Location: _____

Address: _____

Height above sea level: _____ m

Capacity CO_2-recuperation plant: _____ kg/h

Flue gas source: _____

Fuel type (please enclosed analysis if available): _____

Max. sulphur content of fuel: _____

Flue gas flow rate: _____ kg/h

Flue gas temperature: _____ ° C

Flue gas pressure: _____ bar

Flue gas composition (please enclose analysis if available):

CO_2	_____	Vol-%	N_2	_____	Vol-%
CO	_____	Vol-%	H_2	_____	Vol-%
NO_2	_____	Vol-%	CH_4	_____	Vol-%
NO	_____	Vol-%	C_2H_6	_____	Vol-%
SO_2	_____	Vol-%	C_4H_{10}	_____	Vol-%
SO_3	_____	Vol-%	C_5H_{12}	_____	Vol-%
H_2O	_____	Vol-%	C_xH_Y	_____	Vol-%
O_2	_____	Vol-%	Others	_____	Vol-%

Purity of final product: _____ % CO_2

Steam:

Available steam for stripping of CO_2: _____ kg/h

Steam pressure / temperature: _____ bar / °C

Cooling water:

Cooling tower to be included? ☐ yes ☐ no

Wet bulb ambient temperature: max. _____ °C

Dry bulb ambient temperature: max. _____ °C

Quality of make-up water => Please enclose analysis if possible.

In case you are providing cooling water:

Cooling water inlet temperature: _____ °C

Cooling water inlet pressure: _____ barg

Quality of cooling water => Please enclose analysis if possible.

Electricity:

Current: Power voltage: _____ V

Control voltage: _____ V

Phases: _____

Cycles (hertz): _____ Hz

Which accessories are required?

Capacity of CO_2-storage facilities: _____ kg

Capacity of CO_2-evaporator: _____ kg/h

Capacity of CO_2-cylinder filling station: _____ kg/h

Capacity of CO_2-transfer pump unit: _____ kg/h

Capacity of CO_2-transportation tank: _____ kg

Further requirements / comments:

_____

_____