GEA Wiegand GmbH

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Questionnaire Gas Scrubbing Systems

Contact	(To be filled in only if not already known from correspondence)		
Company name	_____		
Your sector	_____		
Contact person	_____		
Address	_____		
E-Mail / Telephone	_____		
Project data	(mandatory information)		
Your inquiry reference	_____		
Experience with GEA	No ☐	Some[1] ☐	Yes[2] ☐
Project phase	Feasibility ☐	Feed ☐	Execution ☐
Implementation horizon	< ½ Year ☐	< 1 Year ☐	> 1 Year ☐
Scope of supply	Engineering ☐	Vessels ☐	Plant ☐
	Skid[3] ☐	Turnkey[4] ☐	_____ ☐
Standards	EU ☐	US ☐	_____ ☐
Scope of Service	Delivery ☐	Installation ☐	Comm. ☐
Other	CE-Cert. ☐	Control sys. ☐	GMP/CIP ☐
Country/place of installation	_____		
Budget volume	_____		
Submission of offer until	_____		
Offer basis	Budget ☐		Binding offer ☐

[1] Similar plants are already operated in the company
[2] Comparable systems are used in our own operation
[3] Incl. steel frame; interfaces at the transition to the skid
[4] Skid including control system

Technical data (mandatory information)

1. Input condictions				
Volume flow		Nm³/h	Gas humidity (Steam)	dry ☐
Operating temperature		°C		saturated ☐
Operating pressure		mbar(abs)	Relative humidity φ	%
Mode of operation	continuous ☐		discontinuous ☐	
Origin of the gas?	e.g. incineration process			
2. Gas composition				
Pollutants	1.	kg/h	3.	kg/h
	2.	kg/h	4.	kg/h
Inert components[5]	1.	kg/h	3.	kg/h
	2.	kg/h	4.	kg/h
Particles	Particle density	kg/m³	Particle type	Solid ☐
	Inlet concentration	g/Nm³ (tr.)		Droplet ☐
Particle size distribution	< 0.5 µm	%	2.0 – 3.0 µm	%
	0.5 – 1.0 µm	%	3.0 – 5.0 µm	%
	1.0 – 2.0 µm	%	> 5.0 µm	%
3. Outlet condiction				
Outlet concentration	1.	mg/Nm³ (tr.)	3.	mg/Nm³ (tr.)
(Pollutant)	2.	mg/Nm³ (tr.)	4.	mg/Nm³ (tr.)
Outlet temperature		°C	Relative humidity φ (Steam)	saturated ☐
Outlet pressure		mbar (abs)		%
Pressure drop	max. admissible	mbar	req. pressure gain	mbar
Gas discharge to?	e.g. atmosphere			
4. Installation				
The plant is installed	indoors ☐		outdoors ☐	
Available	height	m	footprint (LxW)	m
Ex-protection required	outside	Yes ☐ / No ☐	inside	Yes ☐ / No ☐
Applicable standard	ATEX ☐		IECEX ☐	
Classification	Gas/Dust zone	e.g. zone 2	Gas group	e.g. IIA
	Protection level	e.g. Ex ia	Temperature class	e.g. T4
5. Available Utilities				
Electricity	Voltage	V	Frequency	Hz
Cooling water	Feed temperature	°C	Return temperature	°C
Instrument air	Quality e.g. Class 3		Pressure (min./max.)	bar(g)
Washing liquid (requested)	e.g. aqueous caustic soda			
6. Mechanical / Electrical design				
Selected material	Thermoplastic ☐	FRP ☐	Metallic ☐	Other[6] ☐
Design parameter	Design pressure	mbar(g)	Design temperature	°C
Motor	Protection class e.g. IP 54		Max. perm. power	kW
7. Comments				

[5] If not specified, air is assumed
[6] Please specify under comments