

# Flue Gas Desulfurization Specification Data Sheet

Name: \_\_\_\_\_ Date: \_\_\_\_\_  
 Title: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Company: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City, State, Zip: \_\_\_\_\_  
 Country: \_\_\_\_\_ Email: \_\_\_\_\_  
 Your Reference No.: \_\_\_\_\_ End User, Location: \_\_\_\_\_

**Quotation**

Date Quotation Required: \_\_\_\_\_  
 Date Equipment Required: \_\_\_\_\_ Firm Price \_\_\_\_\_ Budget Price \_\_\_\_\_

The following will assist in the design of an economical solution to your flue gas desulfurization application. Please provide all known information in the spaces provided and/or attach any supporting documentation. Please email or fax to us for a prompt response.

Gas Data		Normal Operating Case	Maximum Operating Case	Minimum Operating Case
Gas flow rate	kg/h			
Gas pressure	bar abs			
Gas temperature	°C			
Gas density	kg/m <sup>3</sup>			
Gas viscosity	cP			

**Feed Characteristics**

**Are any solids present?** Yes, non-soluble ppm No  
 Yes, soluble in entrained liquid %

Composition  
 Concentration mass % Molecular weight kg/kgmol

**Operating History of Existing Column**

Describe the history of fouling and performance of the FGD unit.

*FGD Specification Sheet continues on next page*

## Mist Eliminator Design

Proposed material of construction for this project

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### Performance Required

Desired efficiency objective

Maximum allowable pressure drop in.H<sub>2</sub>O

Other performance needs

Remove

% at

micron

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### Absorber Information

#### General

FGD system supplier

Absorption device

Process

First stage ME type

Absorber diameter mm

Duct size mm

Number of support beams

Width of support beam mm

Manway ID mm

Reagent type

Number of absorbers

Second stage ME type

Hold-down  
description

#### Mist Eliminator

Number of stages

Number of passes

Blade spacing mm

Typical module dimensions  
(HxWxL) mm

Mist eliminator manufacturer/style

#### Mist Eliminator Wash System

Levels of washing

Location of existing wash levels

Wash cycles/strategy

Available wash water L/min

Water pressure barg

Level 1

Level 2

Level 3

Level 4

Wash rates m<sup>3</sup>/h.m<sup>2</sup>

Number of wash sections

Number of nozzles

Nozzle manufacturer/style

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### Comments:

Please provide any additional information that will help with your design and describe any documents you will send. Include relevant drawings of existing equipment so that we may design a compatible solution.