

Sulfuric Acid 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 mist eliminator 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.

Application

Tower	Feed Stock	Oleum Production
Drying (gas)	Bright S	None
Drying (air)	Dark S	Bypass
Interpass	Ore roaster	Full Flow
Final	Spent/Sludge Acid	Oleum strength (mass%)
SO ₂ Scrubber		
Other		

Process Data

		Normal Operating Case	Maximum Operating Case	Minimum Operating Case
Pressure	psia			
Temperature	°F			
Gas flow rate	lb/h			
Gas density	lb/ft ³			
Gas viscosity	cP			
Gas MW	lb/lbmol			
Liquid flow rate	lb/h			
Liquid density	lb/ft ³			
Liquid viscosity	cP			
Liquid surface tension	dyne/cm			
Liquid composition				
Estimated particle size distribution	micron			

Feed Characteristics

Are any solids present?	No	Yes, non-soluble	Yes, soluble in entrained liquid
Composition			
Concentration (mass %)	Molecular Weight (lb/lbmol)		

Mist Eliminator Design

New vessel

Provide any preferences and space limitations for proposed new vessel.

Existing vessel

Provide drawings of existing vessel.

Provide specifications or past order reference for current unit.

Upgrade existing mist eliminator

Reason for upgrade.

Provide preferences for proposed new mist eliminator.

No mist eliminator currently installed in existing vessel

Material of construction:

Mist eliminator

Supports & tower attachments

Welding to existing vessel allowed?

Yes

No

Installation

through

in. manway

through full diameter open end

Mist Eliminator Type

DEMISTER™ mist eliminator

FLEXIFIBER™ Type IC mist eliminator

Scrubber Type "S"

FLEXIFIBER™ Type IP mist eliminator

TYPE "D" SAFETY SCRUBBER mist eliminator housing

YORK-EVENFLOW™ vane inlet device

FLEXIFIBER™ Type IC-K mist eliminator

Performance Required

Describe performance objectives

Droplet removal

% of

micron droplets

Solvent loss amount

Other

Submicron removal

Yes

No

Maximum allowable pressure drop

psi

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.