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Fiber Bed Filter Mist Eliminator Application Data Sheet - Sulfuric Acid (H2SO4)

Contact Name: _____ E-mail: _____

Company Name: _____

Address: _____

Telephone: _____ Ext.: _____ Fax: _____

Project Name and Location: _____

Process Information

Check Box for Plant Type:

- Sulfur Burning
- Spent Acid
- Metallurgical
- Other:
- New project or replacement filters?

Check Box for Appropriate Filter Service:

- Dry Tower
- IPAT
- FAT
- Ammonia Scrubber

Production rate: _____

% of SO2 at Burner: _____

No. of Filters: _____ Filter Arrangement: **Hanging / Sitting**

Dimensions of Vessel: _____ Overall Height: _____

Headroom above Tube sheet: _____

Headroom Below Tubesheet: _____

_____ Vessel Diameter: _____

Diameter above Tubesheet: _____

Diameter. Below Tubesheet: _____

Vessel Outlet Configuration: Top Vertical: _____

Top Side Outlet: _____

Filter Connection Details: _____ () Bolt Holes/Studs on () dia. B.C.

Temperature (°C/°F): _____ Absolute Pressure (bar): _____

Please Circle Measurement Used

	Gas	Liquid
Density: kg/m³ lb/ft³		
Viscosity: cp cp		
Mass rate: kg/hr lb/hr		
Flow rate: Am³/hr Nm³/hr ACFM *SCFM		

Composition (Vol %/mole fraction):

N ₂	
O ₂	
CO ₂	
SO ₂	
SO ₃	
Other:	

Amount of entrained acid (mg/m³) or (mg/ft³):
Acid Concentration:
Droplet size of entrained liquids, if known (microns):

Performance Information

Separation efficiency desired (%): _____

Initial Clean pressure drop (w.g.): _____ **Maximum Allowable pressure drop (w.g.):** _____

List Special Performance Concerns (i.e. pluggage, collection efficiency, filter life, etc.):

Filter Media Material (check preference): Fiberglass Polyester Polypropylene Other

Filter Cage Material (check preference): 316 SS Alloy 20 Carbon Steel FRP Other

Please provide any or all of the following, if available, to assist our design recommendations: (check if available)

- Filter drawings: Vessel drawings:
- Filter data sheets: Process flow sheets:

*SCFM taken at 32° F, 1 atmosphere