



Gas Turbine Inlet System Quote Request Form

1. Basic Information

Company Name:

Purchasing Agent:

-Phone:

Engineering Contact:

-Phone:

Address:

City, State, ZIP:

Project Reference Number:

New Installation:

Refurbishment:

Specification Number:

Project Plan Dates:

Design:

Installation:

2. Technical Summary

3. Check boxes that comprise system

Inlet Air Treatment

Description:

Fabric Expansion Joint

Description:

Silencer Housing with Baffles

Description:

Manholes

Description:

4. Design Conditions

Inlet Air Volume

Combustion Air ACFM * SCFM Mass flow*

Allowable System Pressure Drop Clean (inches w.g.)

Allowable System Pressure Drop Dirty (inches w.g.)

Acoustic Requirements dBa at feet

Unsilenced source noise by octave band

Pressure drop performance requirement

*Actual volumetric flow rate or mass flow rate for site conditions is preferred

Site Conditions

City: State: Country:

Compressor Station Chemical Plant
Cogen Plant Utility
Offshore Platform Refinery
Paper Mill Other (please specify)
Power Gen

Ambient Temperature Range: to degrees F.

Relative Humidity Range: to %

Elevation:

Code to follow: UBC 2006 UBC 97 ASCE 7-05 Other

Actual Loads:

Seismic: Zone or S_s & S_1

Wind Load: P.S.F. or MPH

Snow Load: P.S.F.

Specific Load Factors:

Design/Pressure Load:

Atmospheric Considerations:

Other Considerations:

Filter Type Preferred

Barrier: Pulse Clean: Other (please specify):

Number of Stages:

Efficiency Requirements:

Prefilter Spec No.

Final Filter Spec No.

Other Options

Anti-Icing

Blow-In Doors

Weather Hoods

Stairway

Expansion Joint

Hoist

Access Ladders

Inlet Silencers

Interior Lights

Mist Eliminator

Evaporative Cooler

Bird Screen

Chiller Coil

Insect Screen

Other:

Comments:

Filter Out Locations

Back: Bottom: Side: Other:

Specify:

Filter Outlet Flange Size: Horz. by Vert. Dia.

Finish Requirements

Surface Preparation:

Coatings:	Interior	Exterior	D.F.T
-Primer	<input type="text"/>	<input type="text"/>	<input type="text"/>
-Intermediate	<input type="text"/>	<input type="text"/>	<input type="text"/>
-Intermediate	<input type="text"/>	<input type="text"/>	<input type="text"/>
-Final	<input type="text"/>	<input type="text"/>	<input type="text"/>

Materials of Construction

-Filter House Stainless Steel Grade:
 Carbon Steel Grade:
 Aluminum Grade:

-Support Structure Carbon Steel Grade:
 Painted Grade:
 Galvanized Grade:

-Platforms/Ladder Carbon Steel Grade:
 Other:
 Painted Grade:
 Galvanized Grade:

Other Information
 Roof Mounted:
 Ground Mounted:
 Size Restrictions: Length: Width: Height:

5. Materials of Main Parts of Gas Inlet System

Main Parts	Material Type	Notes
Frame (steel structure)	<input type="text"/>	<input type="text"/>
Platforms and ladders	<input type="text"/>	<input type="text"/>
Insulation supports, cladding sheets, pins, nuts, washers	<input type="text"/>	<input type="text"/>
Drainages	<input type="text"/>	<input type="text"/>
Measuring points (for temperature and pressure)	<input type="text"/>	<input type="text"/>
Silencer Baffles	<input type="text"/>	<input type="text"/>

6. Coating Specification

All components except parts that are galvanized or made of stainless steel are painted according to the below painting specifications. Surface preparation according to (ISO8501-1:1988SA 2 /SSPC-SP6) or equivalent. SP6 is equivalent to SA 2. SP10 is equivalent to SA 2 ½.

- Low Temp

Coating for surface temperature of the carbon steel lower than 120° C

Coating	Internal Surface of Carbon Steel	Dry Film Thickness	External Surface of Carbon Steel	Dry Film Thickness	Notes
First Coat					
Touch-up					
Second Coat					
Third Coat					
Total System					

- High Temp

Coating for surface temperature of the carbon steel between 120° C and 400° C (Hot spot areas)

Coating	Internal Surface of Carbon Steel	Dry Film Thickness	External Surface of Carbon Steel	Dry Film Thickness	Notes
First Coat					
Touch-up					
Second Coat					
Third Coat					
Total System					

- Paint Identification (Suggestions)

Manufacturer	First Coat	Touch-up	Second Coat	Third Coat

7. Standards and Specifications (Check all that apply)

- Materials according to ASTM and DIN
- Required tolerances according to DIN18800
- Welding according to AWS or ASME or DIN, where the properties of welding material are to be matched to base metal, also welding quality according to (DIN EN 25817) taken in consideration:
 - Class C: All steels, unless stipulated separately
 - Class B: Dissimilar metal welds
- Electrods of welding (C.S/C.S) is (E6013 or E7018), (C.S/St.St) is (E309L), (St.St/St.St.) is (308H)

8. Required Documents