# Generation Combustion Flare Systems Data Sheet

<table>
<thead>
<tr>
<th>Company Name:</th>
<th>Date:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address:</td>
<td></td>
</tr>
<tr>
<td>Project Name:</td>
<td></td>
</tr>
<tr>
<td>Project Location:</td>
<td>Date Equipment Required:</td>
</tr>
<tr>
<td>Contact Name:</td>
<td>Title:</td>
</tr>
<tr>
<td>Telephone:</td>
<td>E-mail:</td>
</tr>
<tr>
<td>Mobile/Cell:</td>
<td>Fax:</td>
</tr>
<tr>
<td>Type of Quotation:</td>
<td>( ) Firm Price</td>
</tr>
</tbody>
</table>

## Waste Stream
- Gas
- Liquid
- Gas & Liquid

## Type of Stream
- Continuous
- Intermittent
- Emergency

## Pilot Flame Control
- No
- Single Pilot
- All Pilots

## Pilot Ignition
- Flame Front
- Electronic
- Manual
- Automatic

## Area Classification for Control Panel
- Weatherproof
- Explosionproof
- Class ___ Div. ___
- ATEX___

## Pilot Gas
- Natural Gas
- Propane
- Pressure _____ (psig, kg/cm², kPa)
- Chemical Composition (% vol, % weight):

## Compressed Air Available
- Yes – Dry/Wet
- No
- Pressure __________ (psig, kg/cm², kPa)

## Steam Available
- Yes – Dry/Wet
- No
- Pressure __________ (psig, kg/cm², kPa)

## Electricity Available
- Yes
- _____ Volts, _____ Hz, _____ Phase
- No
- Solar
- ( ) Battery Pack

## Flare System Type
- Elevated
- Enclosed
- Pit
- Derrick
- Guyed
- Self-supported

## Flare Tip Type
- Non-assisted
- Gas assisted
- Sonic
- Steam assisted
- Air assisted

## Smoke Control Type
- Yes
- Flow
- Optical
- No

## Drum Type
- Vertical Knock-Out Drum
- Horizontal Knock-Out
- Water Seal

## Additional Scope of Supply
- Ladders/Platforms
- Flare Stack
- Aviation marking
- Utility piping
- Pilot gas lines
- Ignition lines
- Assist gas lines
- Steam lines
- Extension wires (___ ignition, ___ thermocouples, ___ power)
- Installation
## Flare Process Design Conditions

(please indicate units in tables below)

<table>
<thead>
<tr>
<th></th>
<th>Maximum</th>
<th>Normal</th>
<th>Minimum</th>
<th>Smokeless (if applicable)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Flow Rate</strong> (scfm, lb/hr, Nm³/hr, kg/hr)</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>Molecular Weight</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Temperature, (°F, °C)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Available Pressure</strong> (at flare stack inlet, gage) (psig, MPa, kg/cm², in. WC)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Chemical Composition</strong> (% volume, % weight):</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** If more than one stream, all streams conditions to be indicated. Please also provide any available specifications, diagrams, P&IDs, and drawings relevant to your RFQ.

### Maximum allowable thermal radiation (excluding solar)

<table>
<thead>
<tr>
<th>kWatt/m² (BTU/hr ft²)</th>
<th>Work 1,58 (500)</th>
<th>Walk Clear 4.73 (1500)</th>
<th>Run Clear 6.31 (2000)</th>
<th>No Access 9.46 (3000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>at stack base (at grade)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>at distance of ___________ (ft, m)</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

Maximum Windspeed ___________  Seismic Zone ___________

Ambient Temperature,(°F, °C): max _____ min _____

Relative Humidity ___________  Solar Radiation, (kWatt/m², BTU/hr ft²) ___________

### Equipment:

( ) New  ( ) Replacement/ Modification of existing flare system
If replacement or modification of existing flare system, please provide sketch and describe experience and problems.

### Comments/Special Requirements:

___________________________________________________________________________________________________________________
___________________________________________________________________________________________________________________
___________________________________________________________________________________________________________________
___________________________________________________________________________________________________________________
________________________
______________________________________________________________________________________