FLAME ARRESTER SPECIFICATION SHEET

Please complete this form with as much relevant information as possible and return to

CMC Technologies Pty Limited - sales@cmctechnologies.com.au

We will will make a quotation for a flame arrester based on the information provided.

For help in completing this specification sheet, refer to Page 2.

Customer	
Enquiry Ref.	Dated
Contact	Tel
	Fax
Email	

Item No
Quantity
Tag No.

Application Data		Units
Selection Code		
Gas Group		
Flow Rate		
Equivalent Air Rate		
MW or Density		
Max. Allowable PD		
Pressure at Ignition		
Pressure - Operating		
Pressure - Design		
Temp. at Ignition		
Temp. - Operating		
Temp. - Min. Design		
Temp. - Max. Design		
Distance to Ignition		

Preferred Flame Arrester	
Type	
Pipe Size	
Connections	
Facing	
Concentricity	
Pipe Schedule	
Burn Type	
Direction	
Orientation	
Location	

Materials	
Housing	
Element: Cage/Matrix	
Bolting	
Gaskets	
Weather Cowl	
Ext. coating	

Required Approvals
ISO16852 Yes / No
PED Yes / No
Other (specify)

%Composition/Analysis of Gases/Vapours

Required Accessories - ie Temp Switch etc

Comments

CMC TECHNOLOGIES
PTY LIMITED ACN: 085 991 224, ABN: 47 085 991 224
Engineering & Industrial Instrumentation
Phone: +61 2 9669 4000
Fax: +61 2 9669 4111
Email: sales@cmctechnologies.com.au
Web Site: http://www.cmctechnologies.net.au
Unit 19, 77 Bourke Road, Alexandria, NSW, 2015 AUSTRALIA

APPLICATION DATA

Selection Code
Such as European, ISO, USA, US Coast Guard, etc.

Gas Group
If known please specify.

Flow Rate
Flow rate of gas or vapour (and units).

Equivalent Air Rate
If known please give the equivalent air flow rate in Nm^3/h.

MW or Density
Specify either Molecular Weight or Density of the flowing gas or vapour.

Max. Allowable PD
State the maximum pressure drop (and units) you can allow across the flame arrester at the given flow rate.

Pressure at Ignition
Give the pressure at which ignition is likely to occur.

Pressure - Operating
State the opening pressure (and units) under normal flowing conditions.

Pressure - Design
What is the design pressure (and units) of the system?

Temperature at Ignition
What will be the likely temperature (and units) at which ignition would occur?

Temperature - Operating
State the operating temperature (and units) under normal flow conditions.

Temperature - Minimum Design
What is the minimum design temperature (and units) of the system?

Temperature - Maximum Design
What is the maximum design temperature (and units) of the system?

Distance to Ignition
State the maximum distance (and units) the flame arrester is likely to be away from the point of potential ignition.

PREFERRED FLAME ARRESTER

Type
State whether in-line or end-of-line with a fixed or replaceable element. Deflagration or Detonation type?

Pipe Size
Please state the nominal size of the pipe connections.

Connections
State the required flange/thread standard and rating, e.g. ANSI 150#, PN16, API, etc.

Facing
RF, FF, RTJ, etc.

Concentricity
Please state if the inlet and/or outlet need to be concentric or eccentric.

Pipe Schedule
State the preferred pipe schedule of the protected system.

Burn Type
State if the flame arrester needs to be standard/short burn type or endurance.

Direction
State if the flame arrester is required to be bi-directional or uni-directional.

Orientation
Give the orientation of the flame arrester, e.g. horizontal or vertical.

Location
Give details of the location, e.g. directly under a P/V valve, inlet to fan, pump, etc.

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