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ATEX 2014/34/EU
UKCA 2016 No.1107

FAN HAZARDOUS AREA ENQUIRY FORM

BS EN 14986:2024 Design of fans working in potentially explosive atmospheres

In addition to the fan duty requirements, to assist us to produce a quotation for a fan for use in a hazardous atmosphere and to comply with the above Directives, please complete the table below where applicable.

Hazardous Area Details		Inside Fan Casing	Outside Fan Casing
Equipment protection level, Category and zone Classification For **Gas** hazard	Ga, Category 1G, Zone 0	☐	Not Available
	Gb, Category 2G, Zone 1	☐	☐
	Gc, Category 3G, Zone 2	☐	☐
	Safe Area	☐	☐
Equipment protection level, Category and zone Classification For **Dust** hazard	Da, Category 1D, Zone 20	Not Available	Not Available
	Db, Category 2D, Zone 21	☐	☐
	Dc, Category 3D, Zone 22	☐	☐
	Safe Area	☐	☐
Temperature Class (gas only) e.g. T3, T4 ……T6			
Ignition temperature of dust cloud T_{CL} (°C)			
Ignition temperature of dust layer T_5 (°C)			
Maximum allowable surface Temp of equipment (°C)			
Gas group i.e. IIA, IIB, IIC			
Dust group i.e. IIIA, IIIB, IIIC			
Gas or Dust composition? List all hazardous gases and dusts that may be present e.g. 5% Methane, 2% Carbon monoxide, 0.8kg/hr Sugar dust			
Are brass components chemically compatible with the process?			
Any extreme environmental conditions? e.g. corrosive or dirty environment which may cause build up etc.			
Minimum & maximum ambient temperatures (°C)			
How is the fan Installed? i.e. ducted inlet/open outlet			
Will fan be started/controlled via VSD (inverter)? If yes, please confirm VSD switching frequency			
Description of fan operation (process)			
End user location (Legislative Region) of fan unit			
Print name:	Signature:		
Position:			
Date:			

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www.halifax-fan.com
sales@halifax-fan.com
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