

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, T4T6							
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							
Minimum & maximum ambient temperatures (°C)							
How is the fan Installed? i.e. ducted inlet/open outlet							
Description of fan operation (process)							
End user location (Legislative Region) of fan unit							
Any extreme environmental conditions? e.g. corrosive or dirty environment which may cause build up etc.							
Will fan be started/controlled via VSD (inverter)? If yes, please confirm VSD switching frequency							
Name: Position: Date:		Signature: (click in box to add image)					

Download our ATEX FAN GUIDE: <https://halifax-fan.co.uk/databank/> ATEX Fan Guide

Halifax Fan Ltd

Mistral Works, Brookfoot Business Park, Elland Road,

Brighouse, West Yorkshire, HD6 2SD, UK

t: +44 1484 475 123

e: sales@halifax-fan.com w: www.halifax-fan.co.uk

Registered in England No: 2960571

