

ATEX 2014/34/EU FAN ENQUIRY FORM –

BS EN 14986:2017, Design of fans working in potentially explosive atmospheres Group II Machines, non-mining

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 ATEX Directive 2014/34/EU, please complete the table below.

Hazardous Area Details		Inside Fan Casing	Outside Fan Casing
Equipment protection level, Category and zone Classification For Gas hazard	Ga, Category 1G, Zone 0		
	Gb, Category 2G, Zone 1		
	Gc, Category 3G, Zone 2		
Equipment protection level, Category and zone Classification For Dust hazard	Da, Category 1D, Zone 20		
	Db, Category 2D, Zone 21		
	Dc, Category 3D, Zone 22		
Temperature Class (gas only) e.g. T3, T4T6			
Max allowable surface Temp of equipment (°C) *			
Ignition Temp of dust (°C) if applicable			
Gas group. i.e. IIA, IIB, IIC			
Dust group. i.e. IIIA, IIIB, IIIC			
Gas or Dust composition? e.g. 95% air and 5% Methane			
How is the fan Installed? i.e. ducted inlet/open outlet			
Description of fan operation			
Any extreme environmental conditions? e.g. corrosive or dirty environment which may cause build up etc.			
Maximum ambient temperature (°C)			
Will fan be started/controlled via VSD (inverter)? If yes, please confirm VSD switching frequency			

* If unknown, we will use the relation of Temp Class and Max Surface Temp per table 2 of BS EN ISO 80079-36:2016

ATEX FAN GUIDE: <https://www.halifax-fan.co.uk/databank/category/6-atex>

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