

Assistance for Specifiers, End-Users and OEMs

Information that the end-user / client **must** provide to their fan manufacturer so that they can supply you with a fan that is compliant with the ATEX Directive 94/9/EC.

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 94/9/EC, please print out and complete the table below or download it in PDF format.

Hazardous Area Details

		Inside Fan Casing	Outside Fan Casing
Zone Classification	Zone 0 or 20		
	Zone 1 or 21		
	Zone 2 or 22		
Category *	Category 1D or 1G		**
	Category 2D or 2G		**
	Category 3D or 3G		**
Temperature Class (gas only) e.g. T3, T4... T5			
Max allowable surface Temp. of equipment (°C) ***			
Ignition Temp. of dust (°C) if applicable			

Operation Details

Gas or Dust Group e.g. Gas Group IIB (mixture of air and 5% Ethylene)	Group:
How is the fan installed e.g. ducted inlet / open outlet	
Description of fan operation	
Any extreme environmental conditions e.g. high ambient temperatures, corrosive or dirty environment which may cause build up etc.	

* If unknown, we will use the relation between Zone and Category from the draft EN CEN/TC305/WG2/SG1 N107-2; 2003 Annex D table D2 (reproduced below)

In Zone	Applicable Category	If designed for
0	1G	gas / air mixture or vapour / air mixture or mist / air mixture
1	1G or 2G	gas / air mixture or vapour / air mixture or mist / air mixture
2	1G or 2G or 3G	gas / air mixture or vapour / air mixture or mist / air mixture
20	1D	dust / air mixture
21	1D or 2D	dust / air mixture
22	1D or 2D or 3D	dust / air mixture

** Never more than one category step lower than for "inside fan casing". For a ducted fan located in an un-ventilated room, the same category shall be applied for the outside and the inside of the fan casing.

*** If unknown, we will use the relation of Temp. Class and Max Surface Temp. in EN13463-L; Table 1, Section 6