ATEX DIRECTIVE 94/9/EC J+J

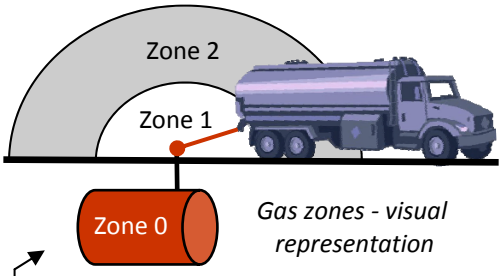
Product Marking

II 2 GD EEx d IIB T6

EU Explosive atmosphere symbol	Equipment group	Equipment category	Gas / Dust
I Mining: M1= Energised, M2 = De-energised			Zones: Gas / Dust
II Non-Mining:	1 = Very high protection 2 = High protection 3 = Normal protection		0 / 20 1 / 21 2 / 22

Gas Groups: Gas Group	Gas Groups: Sample gas	Temp Code	Max Surface Temp Deg C
I	Methane (mining only)	T1 T2 T3 T4 T5 T6	450 300 200 135 100 85
IIA	Propane		
IIB	Ethylene		
IIC	Hydrogen		

Type of protection	Cenelec Code
Intrinsic safety	EEx ia / ib
Increased safety	EEx e
Flameproof	EEx d
Pressurisation	EEx p
Powder filing	EEx q
Encapsulation	EEx m
Oil immersion	EEx o
Type 'n'	EEx n



Gas zones - visual representation

Zone Definitions		
Zones		Definitions
Gas	Dust	
0	20	A place in which an explosive atmosphere is continuously present
1	21	A place in which an explosive atmosphere is likely to occur in normal operation occasionally
2	22	A place in which an explosive atmosphere is not likely to occur in normal operation but if it does, only occurs for short periods

Categories	
ATEX Category	Typical Zone Suitability
1G 1D	Equipment suitable for Zone 0 Equipment suitable for Zone 20
2G 2D	Equipment suitable for Zone 1 Equipment suitable for Zone 21
3G 3D	Equipment suitable for Zone 2 Equipment suitable for Zone 22