

Equipment - groups and equipment categories

Equipment intended for use in potentially explosive atmospheres is divided into groups and categories which relate to the degree of protection. The divisions are shown below.

Equipment - groups (Annex 1 of the EC - Directive 94/9/EC)							
Group 1 (mines, mine gas and dust)		Group 2 (other explosive atmospheres gas / dust)					
Category M		Category 1		Category 2		Category 3	
1	2	G (gas) Zone 0	D (dust) Zone 20	G (gas) Zone 1	D (dust) Zone 21	G (gas) Zone 2	D (dust) Zone 22
for equipment providing a very high level of protection when endangered by an explosive atmosphere	for equipment providing a high level of protection when likely to be endangered by an explosive atmosphere	for equipment providing a very high level of protection when used in areas where an explosive atmosphere is likely to occur		for equipment providing a high level of protection when used in areas where an explosive atmosphere is likely to occur		for equipment providing a normal level of protection when used in areas where an explosive atmosphere is less likely to occur	

We have been allocated a Certificate Number: ITS04ATEX11919 based on approval for Group II (Zone 1) Category 2G (gasses) & D (dust).
T4 135 deg C (auto ignition temperature) surface industries.

Pumps will be marked as follows:-

CE 2004 Ex II 2G & D outside
EEx k ia IIB T4 130 deg C -10/40 deg C
II 3G inside
Max process temp 90 deg C

Wanner Int will fix the appropriate labels to all ATEX pumps before delivery.