

Yamada diaphragm pumps for use in potential explosive atmospheres

In accordance with European guidelines, equipment to be used in potential explosive atmospheres, must be safe for use in these environments.



Yamada pumps will fulfil these requirements, and will be certified for use in these areas.* The pumps may be used in Zone 1 and 2, for gases, and Zone 21 and 22 for dust.

Equipment groups (Annex I of the EC-Directive 94/9/EC)							
Group I (mines, mine gas and dust)		Group II (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 very 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	

Table 1 – Equipment groups and categories

The Yamada pumps comply with category 2 equipment, proving a high level of protection when used in areas where an explosive atmosphere is likely to occur.

For more information about equipment or guidelines, contact w.kesteloo@yamada.nl

*Except BP, BT and F series, and some -50 and -80 types
The rules will be mandatory from the 1th of July 2003 on.