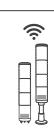


# 防爆技术资料

## 按防爆区域的分类

防爆产品其适用范围及对应的爆炸性气体、蒸汽的危险特性可划分如下

EXPLOSION GROUP FLAMMABLE	FLAMMABLE SUBSTANCE(可燃物)	FLAMMABILITY(可燃性)
I	Methane	
II A	Acetone, Petrol, Methanol, Propane, Toluene	低
II B	Ethylene, City gas	高
II C	Hydrogen, Acetylene, Carbon sulphide	非常高



## 最高表面温度和温度等级

防爆产品按照产品表面温度分为如下温度等级

最高表面温度和温度等级	
最高表面温度的范围(°C)	温度等级
300°C 至 450°C 以下	T1
200°C 至 300°C 以下	T2
135°C 至 200°C 以下	T3
100°C 至 135°C 以下	T4
85°C 至 100°C 以下	T5
85°C 以下	T6

## 爆炸性气体的点火等级及点火温度

1) 温度等级由T1至T6, 数字越高温度越低

2) 防火等级 I 至 II C 逐渐爆炸力变大

	T1(G1)	T2(G2)	T3(G3)	T4(G4)	T5(G5)	T6(G6)
I	Methane					
II A	Acetone, Ethane Ethyl ethanoate Ammonia Benzol(Pure) Ethanoic acid Carbon oxide Methane, Methanol Propane, Toluene Acetic acid Ethyl acetate Ethyl chloride Carbon Monoxide Methylene Chloride Naphthalene, Phenol	Ethanol i-Amyl acetate n-Butane n-Butyl alcohol Ethyl alcohol Cyclohexane Acetic anhydride	Benzine Diesel fuel Aircraft fuel Heating oils n-Hexane Petroleum spirit - Gen Jet propulsion fuel Heating fuel DIN 51603	Acetaldehyde Ethyl ether		
II B	Town gas Coal gas (lighting gas)	Ethylene Ethylene oxide	Ethylene Ethylene oxide	Ethyl ether		
II C	Hydrogen	Ethine(Acetylene)				Carbon disulphide