

## Gas Groups

IEC Canada (CEC)	USA (NEC 505)	EU (Europe)	Canada (CEC) USA (NEC 500)	Gas, Dust, Fiber
Group IIC	Class I, Group IIC	Group IIC	Class I, Group A	Acetylene
			Class I, Group B	Hydrogen
Group IIB	Class I, Group IIB	Group IIB	Class I, Group C	Ethylene
Group IIA	Class I, Group IIA	Group IIA	Class I, Group D	Propane
Group I*		Group I	Not within CEC*/NEC	Methane
			Class II, Group E (Div 1 only)	Metal Dust
			Class II, Group F	Coal Dust
			Class II, Group G	Grain
			Class III	Fibers

## Temperature Ratings

Surface (°C) Temp	IEC, EU (Europe), USA (NEC 505)	USA (NEC 500) Canada
450 (842 F)	T1	T1
300 (572 F)	T2	T2
280 (536 F)		T2A
260 (500 F)		T2B
230 (446 F)		T2C
215 (419 F)		T2D
200 (392 F)	T3	T3
180 (356 F)		T3A
165 (329 F)		T3B
160 (320 F)		T3C
135 (275 F)	T4	T4
120 (248 F)		T4A
100 (212 F)	T5	T5
85 (185 F)	T6	T6

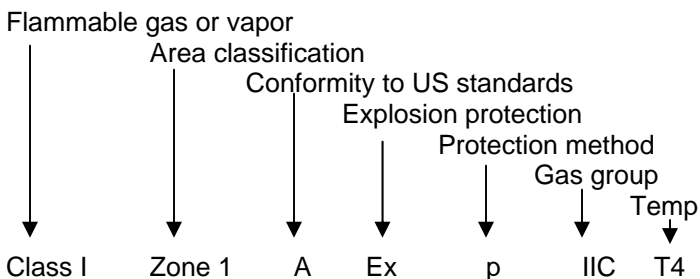
## US NEMA & IP Ratings

NEMA	IP First # solids Second # liquids	Abbreviated Description
1	IP 40	General Purpose indoors from contact with contents
3	IP 54	Dust protection/water jets
3R	IP 64	Outdoor, rain, sleet, windblown dust & ice damage
4	IP 65	Outdoor, windblown dust, rain, splashing & direct hose, icing
4X	IP 65	As NEMA 4, also corrosion resistant

## Hazardous Area Equipment Mark for North America

Canada (Zone System)  
Ex p IIC T4

USA (Zone System)  
Class I Zone 1 A Ex p IIC T4



USA (Division System)  
Class I Division 1 Group B T6

