

DESIGNATION	EXPLANATION	PART # PREFIX
Class 1	Flammable Gases, Vapors or Liquids (Eg. Chemical Refinery, etc)	31N, 37N, 77N
Class 2	Combustible Dusts (Eg. Sugar Mill, Grain Elevator, etc)	37N, 77N
Class 3	Easily Ignitable Fibers (Eg. Cotton Lint Textile Mill, etc)	n/a
Division 1	Exists / Manufactured	37N, 77N
Division 2	Not Exists / Stored	31N, 37N, 77N

DESIGNATION	EXPLANATION	PART # PREFIX
Class 1, Division 1	Where Flammable Gases, Vapors or Liquids can exist all of the time or some of the time under normal operating conditions	37N, 77N
Class 1, Division 2	Where ignitable concentrations of flammable gases, vapors or liquids are not likely to exist under normal operating conditions.	31N
Class 2, Division 1	Where ignitable concentrations of combustible dusts can exist all of the time or some of the time under normal operating conditions	37N, 77N
Class 2, Division 2	Where ignitable concentrations of combustible dusts are not likely to exist under normal operating conditions.	n/a
Class 3, Division 1	Where easily ignitable fibers or materials producing combustible dust/fibers are handled, manufactured or used	n/a
Class 3, Division 2	Where easily ignitable fibers are stored and handled	n/a

Temperature Class	T1	T2	T2A	T2B	T2C	T2D	T3	T3A	T3B	T3C	T4	T4A	T5	T6
Max Temp °C	450	300	280	260	230	215	200	180	165	160	135	120	100	85
Part # Prefix										31N, 37N, 77N				

GAS GROUP	EXAMPLE GAS	PART # PREFIX
Group A	Acetylene	31N
Group B	Hydrogen	31N
Group C	Ethylene	31N, 37N, 77N
Group D	Methane, Propane	31N, 37N, 77N

DUST GROUP	EXAMPLE DUST	TEMPERATURE LIMIT	EXAMPLE GAS	PART # PREFIX
		Normal Operations	Abnormal Operations	
Group E	Metal Dust	200°C	200°C	37N, 77N
Group F	Coal Dust	150°C	200°C	37N, 77N
Group G	Grain Dust	120°C	165°C	37N, 77N