



PACIFIC MARINE & INDUSTRIAL®

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Explosion Proof Classifications	
According to National Electric Code*	
CLASS	Definitions
Class I	Locations: Are those in which flammable gases or vapors are or may be present in the air in quantities sufficient to produce explosive or ignitable mixtures.
Class II	Locations: Are those which are hazardous due to the presence of combustible dust.
Class III	Locations: Are those which are hazardous due to the presence of easily ignitable fibers or flyings, but in which such fibers or flyings are not likely to be in suspension in the air in quantities to produce ignitable mixtures.
Division	Definitions
Division I	Locations in which hazardous concentrations in the air exist continuously, intermittently, or periodically under normal operating conditions.
Division II	Locations in which hazardous concentrations are handled, processed, or used but are normally within closed containers or closed systems from which they can escape only in case of accidental rupture or breakdown.
Group (Class I)	Definitions (Gases)
Group A	Atmospheres containing acetylene.
Group B	Atmospheres containing hydrogen, or gases (or vapors) of equivalent hazard, such as manufactured gas.
Group C	Atmospheres containing ethyl-ether vapors, ethylene or cyclo propane.
Group D	Atmospheres containing gasoline, hexane, naphtha, benzine, butane, alcohol, acetone, benzol, lacquer solvent vapors, or natural gas.
Group (Class II)	Definitions (Dust)
Group E	Atmospheres containing metal dust, including aluminum, magnesium and their commercial alloys and other metals of similarly hazardous characteristics.
Group F	Atmospheres containing carbon black, coal, or coke dust.
Group G	Atmospheres containing flour, starch, or grain dust.

*Contact National Electric Code for Verification