

FirePro in potentially explosive atmospheres (ATEX)

FirePro has also been specifically certified under ATEX guidelines for hazardous environments. FirePro aerosol generators can be used in:



The local authority has the responsibility for defining a Class, Zone, and Group classification for specific areas. The classification given to a particular zone, and its size and location, depends on the likelihood of an explosive atmosphere occurring and its persistence if it does. Areas classified into zones (0, 1, 2 for gas-vapor-mist and 20, 21, 22 for dust) must be protected from effective sources of ignition.

Other than Category 3 equipment, the complete system, including panel, cabling and detection will probably require third party accreditation.

Equipment Group		Equipment Category		Protection Level		Presence or Duration of Explosive Atmosphere		Hazardous Area Zones				
1	Underground Mines and Associated	es and Associated M1		Very High		Constant Risk or Presence						
-	surface installations	M2		High		Constant Risk or Presence						
П	All Other Surface Installations	1		Very High		Continuous Presence		Zone 0 / Zone 20				
		2		High		Likely to Occur		Zone 1 / Zone 21				
		3		Normal		Unlikely to Occur		Zone 2 / Zone 22				
Dusts				Category M1, M2 & 1 Equipment Gases, Vapo			Gases, Vapours	and Mists				
Place in which an explosive atmosphere in the form of a cloud of combustible dust in air is present continuously, or for long periods or frequently.			Zone	e 20:	20: Zone		The part of a hazardous area in which a flammable atmosphere is continuously present or for long periods.					
Category 2 Equipment												
Place in which an explosive atmosphere in the form of a cloud of combustible dust in air occurs occasionally. Group III IIIA Combustible flyings Group III IIIB Non-conductive dust Group III IIIC Electrically conductive dusts			Zon	ne 21 Zone		e 1	That part of a hazardous area in wh atmosphere is likely to occur in nor Group II IIA (Propane, Metha Group II IIB (Ethylene) Group II IIC (Hydrogen)	nich a flammable mal operation ane)				
Category 3 Equipment												
A place in which an explosive atmosphere in the form of a cloud of combustible dust in air is not likely to occur in normal operation or will persist for a short period only. Group III IIIA Combustible flyings Group III IIIB Non-conductive dust Group III IIIC Electrically conductive dusts			Zone	ie 22 Zone		2	That part of a hazardous area in which a flammable atmosphere is not likely to occur in normal operation, and if it occurs, it will only exist for a short period Group II IIA (Propane, Methane) Group II IIB (Ethylene) Group II IIC (Hydrogen).					

Mining and Surface Certification (MASC)

FPX-0100EX / 0200EX / 0500EX aerosol units have additional certification

Location		Hazard Frequency	Environment		Limiting Temperature	
Zone 1 & 2 Zone 21 & 22	Mining: Underground & Surface (Gas) Surface (Dust)	Intermittent could under normal operating conditions in hazardous area	Group I Group IIC Group IIIC	Methane / Coal Dust Hydrogen / Acetylene Conductive Dusts	150°C T3 T200 °C	Enclosure surface limitation Enclosure surface limitation Enclosure surface limitation
	nger plosive					(Ex)

