

Ozone Friendly - Cost Effective - Alternative. FirePro is an exciting new development in fire Protection. It uses no high pressure cylinders, no pipework, does not require expensive maintenance and is suitable for all types of risk.

FirePro main characteristics

- **Certified to AS 5062** Fire Protection for Mobile Plant & Transportable Equip.
- **Space and weight saving.**
- **Subject to lower maintenance** costs compared to pressurized systems.
- **Environmentally friendly** compared to AFFF Foam systems.
- **Fail-safe activation system** ensures operation, even if everything else fails.
- **Has a long operational life.**

METHOD - FirePro Aerosol Generators use FPC aerosol forming solid compound. On activation the compound is transformed into a rapidly expanding, highly efficient effective fire extinguishing aerosol, based on Potassium salts.

Ozone Depletion Potential (O.D.P.) = 0
Atmospheric Life Time (A.L.T.) = 0

Global Warming Potential (G.W.P.) = 0
Non-corrosive & Non-toxic

SYSTEM DESIGN – the main approach to vehicle fire protection is taken from Australian Standard AS5062. The determination of your specific design is from a risk assessment. The standard requires that a risk assessment process **shall** be carried out by qualified personnel competent in risk-assessment

FIREPRO VEHICLE FIRE SYSTEM FEATURES

System Control Panel - The Control Panel (CP) is the “brains” of the system. There are settings available in the control panel to suit each specific system design. It can be automatic or manual activation and can have shutdown interfaces.

Detection a range of detection systems are available. Selection will depend on the risk assessment.

Agent FirePro generators are self-contained units, which operate together to create the system. This means failure of any one unit will not affect the operation of other units. FirePro generators are stainless steel canisters which have no moving parts and are not under pressure. This reduces the maintenance requirements. FirePro canisters are mounted inside the risk area – no need for an external agent cylinder.



FIREPRO AEROSOL GENERATORS



Units selected based on the size of the risk to be protected.

Multiple units can be used on single risk.



Components are supplied as a kit. This includes a wiring loom using Deutsch plug connections. All cables are color coded to allow for ease of installation and maintenance.

APPLICATIONS



Mining Vehicles



Cranes



Busses



Rail Maintenance



Utility Vehicles

ENVIRONMENT and SAFETY ISSUES



Environmentally friendly fire-extinguishing technology condensed aerosol fire-extinguishing technology was developed as a result of the Montreal Protocol 1994, which banned ozone-depleting substances. FirePro's products are CFC-free and HFC-free, with zero ODP (ozone-depletion potential) and zero GWP (global-warming potential).

FirePro® aerosol is non-toxic. On activation a white gas is emitted, this is mainly particles, and has an atmospheric life of approx. 20 mins after which it will fall as dust.



☺	Ozone Depletion Potential O.D.P.		Zero
☺	Global Warming Potential G.W.P.		Zero
☺	Atmospheric Life-time A.L.T.		Low
☺	Toxicity		None
☺	Corrosiveness		None

Residue of Particulate matter after discharge of FirePro Aerosol Generators is approximately 10-15% of the aerosol weight of the generator. The residue is non-toxic and non-corrosive; it is hygroscopic in nature on discharge as a result of the aerosol process so will attract moisture. The chemical nature of the residue is slightly alkaline PH is approx. 8.

FirePro® consists of inorganic potassium salts. These salts will not generally cause any damage to human beings or animals. The concentrations of heavy metals and other trace elements are negligible.

Effect on Water Supplies eco systems and potable drinking water there will be no discernible effect on water bodies. The PH of 8 would have an impact but this would not be measurable., and particle sizes which are mainly less than 5 microns are so small that any concentration would be extremely unlikely.

Known health impact associated with direct exposure to the discharged aerosol.

Hazards Identification

- ☺ Hazards for humans related to the FPC solid compound have not been found.
 - ☺ Hazards for humans related to the aerosol released by the solid compound have not been established.
- Signs and symptoms related to the aerosol are only referred to acute exposure and/or chronic overexposures.

Signs and Symptoms

☺ Eye & Skin Contact	At normal contact no injury
☺ Inhalation	Not a likely route of entry
☺ Ingestion	At normal contact no injury
☺ Chronic Overexposure	At normal contact no injury
☺ Medical Conditions Generally Aggravated by Exposure	None known
☺ Environment	None established

Exposure Controls and Personal Protection

☺ Respiratory Protection	At normal contact not needed
☺ Eye, Skin and Body Protection	At normal contact not needed