Benefits

Aerosol Technology

- **No use of water**

  Aerosol extinguishing devices operate with a solid compound that is discharged as a dry aerosol into the area upon activation. There is therefore no extinguishing water that can damage your equipment, warehouse or stored goods. Moreover, there is no polluted extinguishing water to damage the environment. After all, in the absence of water during the extinguishing process, how could anything suffer water damage?

- **Steady oxygen levels**

  Aerosol does not enter into a reaction with oxygen en does not dispel any oxygen. The oxygen level will therefore be maintained. The area is safe for humans and animals before, during and after activation, so there is no immediate danger should any staff be unable to leave the area due to an accident. Aerosol is therefore much safer than technologies resulting in a reduced oxygen level or the absence of oxygen altogether.

- **Compact and lightweight**

  Aerosol is lightweight and compact. When applied, this technology results in tremendous economy of weight and space. The subsequent monetary savings are not limited to shipping and transport; aerosol is often the extinguishant of choice in car racing and for means of transport using renewable energy.

- **Simple installation**

  Aerosol systems do not need mains, water reservoir or catch basins. Protected spaces do not need to be gas-tight, and also there is no need for pressure-release systems. Next to these installation advantages, aerosol units are easy to demount should your company move, renovate or change the purpose of the protected area.

- **Long service life**

  Aerosol generators are based on a solid compound. By consequence the service life stated for aerosol is usually 10 years, which is in accordance with most international regulations. Given normal climatic circumstances, which is usually the case in protected areas, and regular maintenance, there are few things that affect the system's performance.

- **Suitable for source protection**

  Most fires start small and unnoticed and are therefore discovered too late. Contrary to other fire extinguishing systems, aerosol extinguishing systems are able to put out the fire in its seat because it does not need any mains or pressurized systems. On top of that the extinguishing generators can be equipped with thermal switches so that they can be installed as stand-alone units, i.e. without any power supply or leads, which is ideal for 'remote' areas.

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Benefits

Aerosol Technology

- **No pressurized system or storage**

  The aerosol contains a *Solid Bound Compound*. Upon activation this solid compound is converted into a cloud of solid nanoparticles. A slight overpressure develops inside the container upon conversion, so that the cloud can be discharged into the protected area and mix with the air rapidly. The pressure build-up in the protected area is however negligible, even when there is a large number of extinguishing generators.

- **Fail-safe**

  Aerosol generators' electric control enables activation by all current fire detection and alarm systems. In addition, our generators can be thermally activated with the bimetal switch. Most importantly however, even in the absence of a (working) detection system the *Solid Bound Compound* will be activated as soon as a fire causes its temperature to rise above 300°C (in the case of AF-X Fireblocker; the activation temperatures may differ with other aerosol brands).

- **Lowest TCO**

  Aerosol has compared to other technologies lower investment cost. This is due to the absence of piping, main construction costs (e.g. pressure control, basins) and the little time needed for maintenance. Compared to other systems, the costs for system renovation or adaptation if the purpose of the protected space has been changed, are negligible.

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