



# Argonite

Argonite inert gas fire suppression systems from Ginge-Kerr are used extensively around the world to protect high value assets. Ginge-Kerr is part of UTC Fire & Security, a unit of United Technologies Corp. (NYSE:UTX)

## Clean Agent Technology

Argonite is ideal for protecting business-critical computer and telecoms rooms, and also precious artefacts in archives, museums and art galleries. It gets organisations back to normal quickly with minimal damage, disruption and clean-up costs. It does not cause collateral damage to whatever it is protecting from fire because it does not leave behind any water or particulates.

## Naturally Superior

Argonite is an inert gas blend consisting of a 50:50 mixture of the two gases Argon and Nitrogen that occur naturally in the atmosphere. With zero Ozone Depletion Potential (ODP), zero Global Warming Potential (GWP) and zero atmospheric life time, Argonite has excellent environmental credentials.

## High Performance

Argonite is effective against fires in almost all combustible materials and flammable liquids. It works by displacing oxygen from the atmosphere and reducing it from the normal 21% to a level below 15% that will not support combustion. A typical design concentration of 40% will reduce the oxygen level to 12.5% within 60 seconds.

## Low Space Requirement

Argonite systems consist of one or more cylinders, usually at 300 bar pressure, connected via a common manifold. System actuation can be manual or automatic and the gas is distributed through a pipe network and enters the protected area through special discharge nozzles.

A range of cylinders is available offering a choice of fills and pressures. The latest LPCB approved systems with cylinder storage pressures of 300 bar offer 30% space savings over previous

200 bar systems. The cylinders are mounted in rows and may be stored in any suitable location, even over 100 metres away from the protected areas.

If more than one area in a building needs to be protected, then a single Argonite system, designed to protect the largest room, can be used, with automatic valves directing the appropriate amount of Argonite into the required protected space. Provided that there is a low risk of more than one fire in the facility at any one time, this can provide significant cost and space savings.

## Reliable & Affordable

Ginge-Kerr has over ten years design and installation experience. Factory trained and certified design engineers offer flexible design packages for the most cost-effective fire protection solutions. System design, the quantity of gas used, together with computer calculated pipe and nozzle dimensions ensure that the correct amount of Argonite is released effectively.

The Argonite system has been tested and approved by independent regulatory bodies throughout the world. In addition, system components are manufactured in accordance with ISO 9001:2000 Quality Management System and comply with all relevant legislative requirements such as US DOT and EU Transportable Pressure Equipment Directive (TPED) for cylinders and Pressure Equipment Directive (PED) for pressure components.

Argonite systems have low recharge and maintenance costs. The cylinder valves are designed to ensure reduced pipe sizes and low installation costs as well as optimum system performance. The valve design also allows a worldwide network of distributors to re-charge the cylinders easily without the need for replacement parts.

## Global Reach

Argonite systems have a proven track record of success with more than 15,000 installed worldwide since 1993. Originally manufactured in Denmark, they are today produced at a new advanced fire suppression system facility at Bentham in the UK. System design and customer support is provided from Thame, near Oxford, with a world wide network of factory trained distributors. Ginge-Kerr is a UTC Fire & Security Company, which provides fire safety and security solutions to more than one million customers around the world. UTC Fire & Security is headquartered in Connecticut, USA.



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