

FIRETRACE

Automatic Fire Extinguisher Systems

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Firetrace Ltd. - Unit 22 Knightsdale Road - Ipswich IP1 4JJ

002 - Introduction

THE PRINCIPLE OF FIRETRACE:

The principle is a simple self-activating system that offers the widest versatility and is absolutely safe against malfunction, which results in the best cost-performance ratio. It does not rely on any complex electronics or any moving parts. Firetrace is the only system of its kind in the industry today.

HOW DOES FIRETRACE WORK?

Firetrace employs a flexible detection and delivery system called Firetrace Tubing. The tubing is manufactured from specially processed polymer materials to achieve the desired heat detection and delivery characteristics.

The Firetrace Tubing, which is pressurized, is placed within an enclosed area above potential fire hazards and secured in place with brackets provided. Extinguishing mediums can be matched to the particular application. Various canister sizes are available and are supplied attached to the Firetrace Tubing.

The Direct Firetrace system discharges the extinguishant directly from the burst hole in the tube, this will be the closest point to the fire, and will allow the fastest extinguishing time and minimum spread of the fire. The Indirect Firetrace system discharges the extinguishant into the protected area via plumbed diffusers that are initiated by the Firetrace tube bursting.

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THE ADVANTAGES OF FIRETRACE

Firetrace automatic fire extinguishing systems do not need any external energy / power supply. This makes it cost effective as no electrical installation / wiring is required. The Firetrace system is always operative even during energy break down. The various methods of installation of the Firetrace automatic detection tube allow adaptation to almost any object or fire risk that requires protection.

The Firetrace automatic detection tube should be considered as a lineal heat / flame detector. When the temperature is increased to above 120°C or the Firetrace automatic detection tube is touched by a flame the tube bursts and initiates the diffusion of the extinguishing medium.

The simple design of the Firetrace automatic fire extinguishing system allows for a minimum of maintenance work. There is a greatly reduced risk of malfunction because there are virtually no moving parts, which reduces the risk of false alarms. The Firetrace automatic detection tube is capable of working even when contaminated with oil, dust and debris as long as the contamination will allow heat to pass through to the tube.

The maintenance of Firetrace automatic fire extinguishing systems is necessary to ensure system reliability, and the periodic discharge requirements are comparable with standard portable fire extinguisher. In comparison to traditional automatic fire suppression systems Firetrace is inexpensive to install and because of the simple design it does not require specialist equipment or highly trained installers.

Vibrations or similar disturbances minimally affect the Firetrace automatic fire extinguishing system since there are no mechanical function mechanisms or electric contacts, unlike traditional higher cost systems.

Continuous development and testing of Firetrace components now enables us to offer BAM approved High Pressure Firetrace systems, suitable for CO₂ and all other high pressure applications. It should be noted that any automatic, remote or high-risk installation should have automatic fire protection. Firetrace has the ability to provide this automatic protection. The examples of areas that could benefit from a Firetrace installation are vast and the additional market opportunities are virtually unlimited. The price performance relationship is cost effective and opens up many new markets.