FlexiTec

What is Flexitec?

Flexitec is a self seeking automatic fire extinguishing system that requires no electrical power to operate. In the event of a fire the tube will rupture at the hot spot and discharge the extinguisher contents directly on to the source of the fire.

How it works

Flexitec Systems uses a specialised polymer detection tube which is pressurised. The tube is routed through the compartment that needs protecting, secured in place with fixings, thus being right at the source of any fire. When a fire occurs and either touches the tubing or the heat is sufficiently high enough, the Flexitec tube wall softens and bursts at the hottest point allowing the extinguishing medium to extinguish the fire at source.

Advantages of Flexitec

- Flexitec is simple and inexpensive to fit.
- Flexitec does not rely on any electrical or moving parts
- Extinguishes a fire at the source via the Flexitec tubing
- Offers 24/7 protection.
- Pressure switches can be fitted to automatically shut down any machinery, systems or sound alarm.
- Flexitec Systems are available in a variety of sizes ranging from 1kg to 6kg.
- Different extinguishing mediums are available to suit the application .

Applications

Flexitec systems can be used to protect many mirco-environments,

Electrical cabinets, Controls & CNC Machines
Server cabinets, computers, welding machines, food industry

Vehicles/Boats
Buses, trucks, emergency vehicles, marine craft, trains

Industrial Equipment
Plant machinery, farming machinery, forklifts

Any micro-environment
Letter boxes, bins, safes, vending machines

Units available

- FM200
- ABC Dry Powder
- Foam

As a general rule of thumb, 1kg of either extinguishant will protect 1 cubic meter, but in a well sealed enclosure this may be extended by 50%.

Extinguisher Capacity	Approx Gross Weight	Working Pressure BAR	Temperature Range	Tube max ambient temp.	Minimum space requirements		
					Height (cm)*	Width (cm)	Depth (cm)**
1kg	2.2kg	13	-10°C to +80°C	108°C	38	9	11
2kg	3.5kg	13	-10°C to +80°C	108°C	41	11	11
4kg	7.0kg	13	-10°C to +80°C	108°C	51	19	17
6kg	10.5kg	13	-10°C to +80°C	108°C	56	19	17

* including minimum radium of detection tube.
** allowing for mounting bracket.

Options

- Pressure switch, can be fitted to the unit and will provide an optional facility to sound alarms or shut down machinery/air conditioning units etc.
- End of Line Gauge, this can also be used as a filling port as well as an indicator.
- Tubing length, can range to suit your particular application.
- Branding available with minimum quantities.

Contact details

FlameSkill Ltd
1 Morton Peto Estate
Great Yarmouth
Norfolk
NR31 0LT
Tel: 01493 440464
Fax: 01493 440581
Email: admin@flameskill.co.uk
Web: www.flameskill.co.uk