

FireDeTec

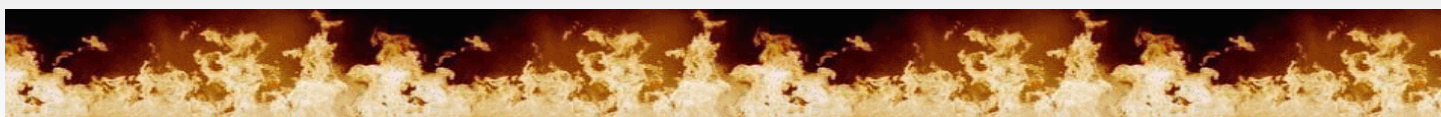
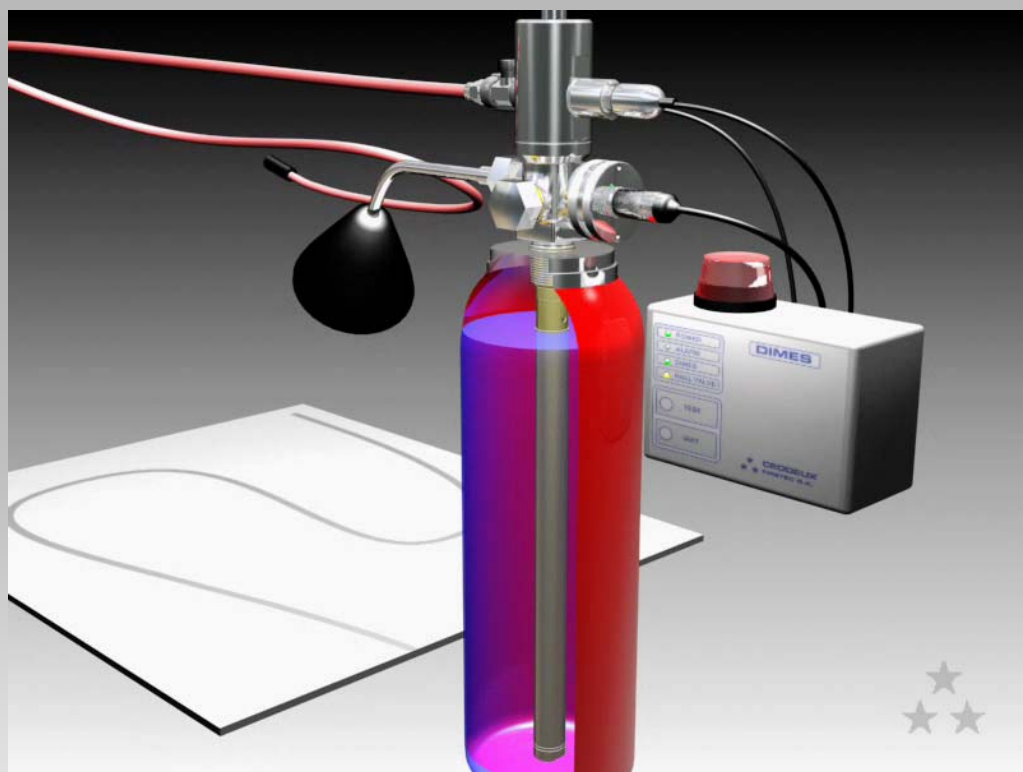
 Wilson Engineering (S) Pte Ltd

Fire detection and extinguishing system with linear detection hose



FireDeTec Automatic Fire Suppression

Detect and Suppresses **Fire** within seconds



PROTECT YOUR VALUABLE ASSETS COST EFFECTIVELY

FireDeTec Systems



FireDeTec is a revolutionary new, yet simple and effective detection and extinguishing system. The effectiveness of the systems comes from the high-tech polymer tubing which will rupture when exposed to flames. FireDeTec detection tubing is routed throughout the protected zone. When fire started, the tubing will burst at its hottest spot. The extinguishing

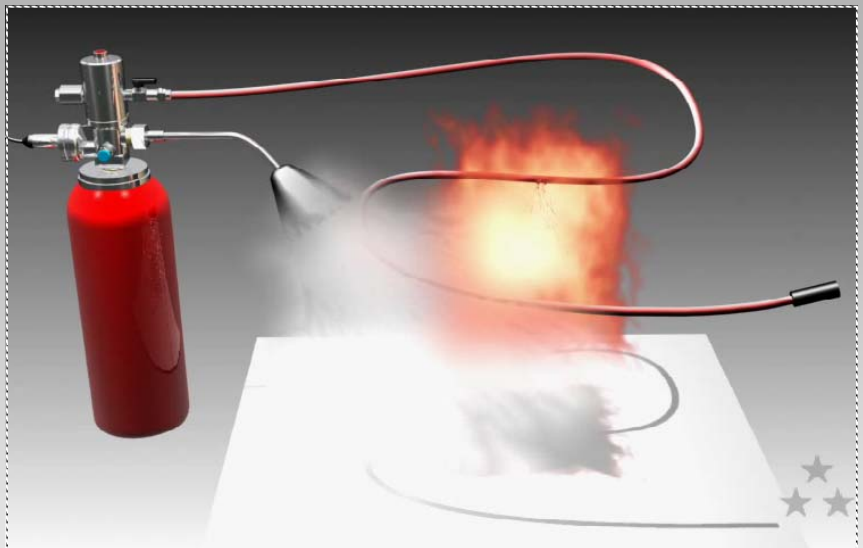
agent will then be discharge through the nozzle-like opening, suppressing the fire in seconds before any further damages is being done.

FireDeTec systems does not required any electricity or external power source. In the event of power failure, it will still provide the vital fire protection.

FireDeTec systems can also be configure in such a way that it is able to provide audible alarm, manual release and power cut-off.

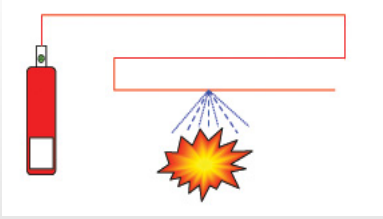
FireDeTec Advantages

- Fully automatic. Does not required any external power supply.
- Can be installed in any inaccessible area with its flexible tubing.
- Continuous linear detection along the entire tubing.
- Suppresses fire within seconds thus minimizing damages.
- Cost effective.
- Virtually fail-safe.
- Variety of fire suppressant such as CO₂, Dry Chemical, FM200, Water Mist can be used.
- Low maintenance cost.
- Quick and simple installation.



Close up of detection tube burst

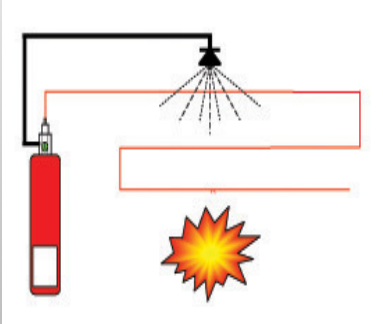
FireDeTec Automatic Fire Suppression System



Direct Low Pressure (DLP)

The Direct Low Pressure System (DLP) utilized the FireDetec tubing as both fire detection as well as delivery system for the fire suppressant.

The portion of the tube nearest to the fire will rupture with a nozzle-like opening. The pressure drop in the tube causes the release of the suppressant from the cylinder through this opening.



Indirect Low Pressure (ILP)

For Indirect Low Pressure System, the FireDetec tubing act just as a fire detection device. The fire suppressant is delivered through copper, brass or stainless steel tubing.

Once the FireDetec tubing ruptures, the suppressant is discharged through several strategically placed nozzles within the protection enclosure.

High Pressure System

This line of product is available in both Direct and Indirect system.

It allow for delivery of high pressure suppressant such as CO₂.

Virtually limitless application



Electrical and Control Panel

Electrical relay panel, control panel, Switch gears, Data storage panel, Process control Panel.



Biomedical and Chemical

Fume Hood, chemical storage, Laboratory.



Heavy Equipment

Heavy machinery plant, CNC Forklifts, Cleaning machinery involving flammable solvent.



Engineering Industries

machines, Milling machines EDM machines, Robotic welding machines.



Commercial fleet & Alternative fuel vehicle

Buses, CNG vehicle, Mass Transit, Light rail.



Isolated Installation

Mobile phone site, Oil rig control, Radio, TV & Satellite transmitter/ Receiver.

Your imagination is your only limitation

FireDeTec Installation References

- AE STALEY - Process Control Cabinets
- BJ Services - Off-shore drilling equipment
- Black & Decker - Plastic injection molding plant
- Bocm Pauls - Electrical switch gear
- British Gas - Offshore Rig
- British Nuclear Fuel - Fume Cabinets
- Caterpillar - Parts Testing machines
- Chester Zoo– Electric Drive motor & Switch gear
- Chevron Petroleum Niniam Platform - Fire Deluge Control
- CONOCCO - Offshore Rig
- Exxon Mobile - Engine Test Bay
- GB Glass Beer - Process Control Panel
- Gividan Rohr - Fume Cabinets
- Glaxo Smith Klein - Fume Cabinets
- ICI Zeneca Pharmaceuticals - Fume Hood
- London Electric - Computer & Electrical switch gear
- London Stock Exchange - Transformer enclosure
- Merck Plant - Chemical storage
- Mobile Oil - Petroleum Production Plants
- Pfizer - Process control panel
- New Skies Network - Satellite Control panel
- Sanvic - CNC & Milling machines
-and many more.....



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