

FUME CUPBOARD ENHANCEMENTS FIRE SUPPRESSION



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CSC's fire suppression system brings the ultimate fire prevention feature to our range of fume cupboards. Using a proprietary continuous linear sensor tube, the FireDetec system reliably detects and actuates the release of the extinguishing agent using pneumatic technology. It is more flexible, space-efficient, and cost-effective versus alternative mechanical or electronic systems.



- Quick & easy installation directly inside the Fume Cupboards: The flexible sensor tubing is easily installed inside the enclosure - directly above the working area where a fire could start. When in service, the tubing is pressurized with dry nitrogen to 16 bar. The dynamics of pressurization make the tubing more reactive to heat.
- Quick detection: If a flame-up occurs, the heat of the fire causes the pressurized sensor tube to burst at the hottest spot (approx. 110°C)
- Quick suppression: The sudden tube depressurization actuates the special pressure differential valve and instantly floods the entire cabinet area with ABC 90 dry chemical within 60 seconds. The fire is quickly suppressed just moments after it begins, minimizing damage and downtime.
- Retrofitting: The FireDETEC can be retrofitted to existing fume cupboards.

A COMPLETE SYSTEM USING ABC 90 DRY CHEMICAL AGENT

