



Fire protection
without
compromise

DIRECT

AUTOMATIC FIRE SUPPRESSION SYSTEMS

Enclosures containing electrical equipment such as switchgear, controls, telecoms or transformers, CNC and EDM machinery and fume cupboards frequently contain fire hazards.

By targeting the source of a fire accurately and rapidly, DAB Direct Fire Suppression Systems suppress the fire in seconds, preventing further damage and minimising both remedial work and process downtime.

Minimise the impact of a fire on your business.



Why DAB Direct Fire Suppression Systems

- ✓ **Immediate fire detection and delivery**
The suppression agent discharges at the closest point to the fire, suppressing it in a matter of seconds.
- ✓ **Highly reliable in harsh environments**
The DAB high-grade detection and distribution tubing is tolerant of dirt, debris and harsh operating conditions.
- ✓ **No power source required**
DAB Direct Systems offer automatic operation without any reliance on an external electrical power supply.
- ✓ **Inexpensive to install and maintain**
The cost-effective systems are easy to install and maintain, and can be quickly reinstated after deployment.



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How do DAB Direct Systems Work?

The DAB Direct System utilises high-grade flexible detection tubing that is routed around the fire hazards within an enclosure and connected to the cylinder valve.

The tubing, pressurised with nitrogen, is designed to rupture locally when exposed to heat generated by a fire, initiating the release of the suppression agent.

The suppression agent is discharged through the tubing directly from the point of rupture, which will be the closest point to the flames. This means the fire is suppressed in seconds, minimising damage to the equipment.

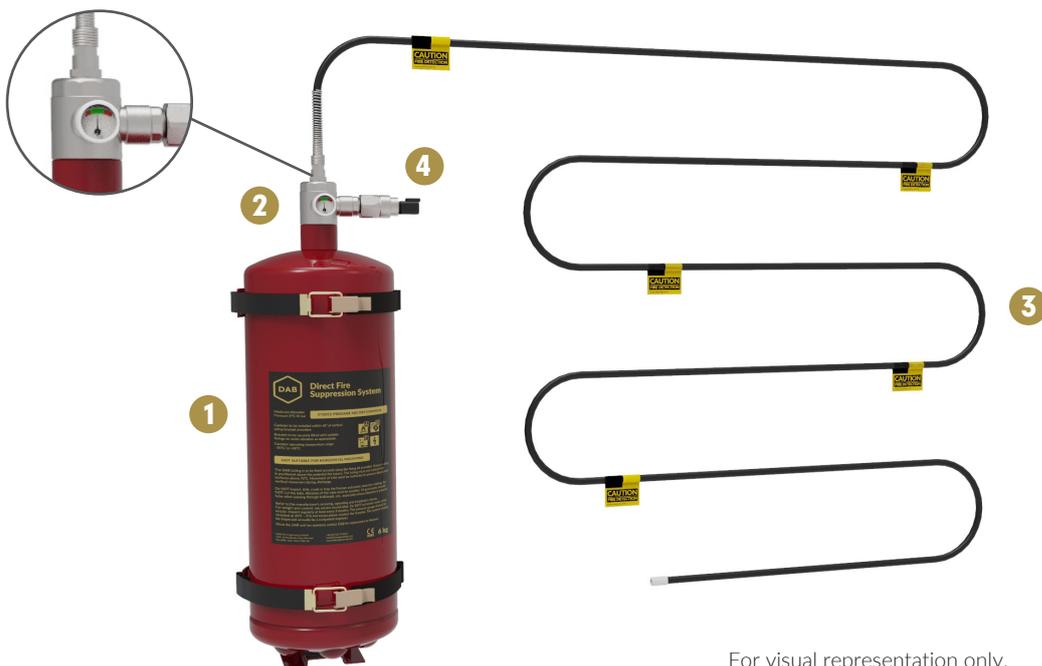
The pressure gauge in the cylinder valve confirms the pressure of the system is adequate (green segment).

DAB offers a range of suppression agents that provide the best protection to each specific fire risk. These are safe to use on electrical components and also include a choice of 'clean' agents that do not leave a residue.

Our Technical Team will assess the risk of fire on your specific piece of equipment and recommend the most effective extinguishing agent for each application.

DAB Direct System Layout

- 1 Suppression Agent Cylinder
- 2 Cylinder Valve with Pressure Gauge
- 3 Flexible Detection Tubing
- 4 Optional Pressure Switch to Connect to Sounder Beacon or Monitoring Device



For visual representation only.



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Applications for DAB Direct Systems

- ✓ Electrical equipment enclosures
- ✓ CNC / EDM machinery
- ✓ Transformer cabinets
- ✓ Fume chambers
- ✓ Electrical switchgear enclosures
- ✓ Data processing enclosures
- ✓ Wind turbines
- ✓ Tumble dryers
- ✓ Battery cabinets
- ✓ Many other applications



Key Technical Data

Fire detection method	Linear heat detection tube
Suppression agent	Choice of suppression agents available
Container capacity	1 kg, 2 kg, 4 kg, 6 kg, 9 kg
Container construction	Carbon steel, painted red (RAL 3000)
Container operating temperature range	-30 °C to +60 °C
Discharge time	8 to 14 seconds
Charge pressure	15 bar at 20 °C

For the complete technical specification and operating instructions, please refer to the system manual.



To find out how you can help you protect your equipment, call us direct on +44 (0)1423 574435

Designed and manufactured in the UK

When a fire breaks out, there is no room for second measures. Which is why we have spent over 40 years perfecting systems and components that set the standard.

Our no compromise approach ensures that our systems will stand the test of time. Each and every one of our products is built in the UK using components sourced from the best British suppliers we can find.

Our service is precision engineered too

It is not just our products that perform exceptionally under pressure. Our team are agile, responsive and passionate about what they do.

Their dedication to quality, constant improvement and collaboration gives our customers bespoke fire extinguishing systems that won't let them down.

DAB Fire Engineering Limited
Unit 11 Becklands Close,
Bar Lane, Roecliffe, York,
North Yorkshire, UK, YO51 9NR

Telephone +44 (0)1423 574435
E-mail info@dabengineering.com
Website www.dabengineering.com



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