



Fire protection  
without  
compromise

# INDIRECT

## AUTOMATIC FIRE SUPPRESSION SYSTEMS

Businesses rely on electrical equipment like CNC and EDM machines, switchgear and fume hoods, which often contain fire hazards. Fires on these essential pieces of equipment can result in operational downtime, costly repairs and data loss.

The DAB Indirect Fire Suppression System offers reliable suppression in larger enclosures, enclosures that require multiple cabinets to be flooded simultaneously, or where the presence of an extractor fan may mitigate the reliability of a direct fire suppression system.

**Don't leave it to chance.**



### Why DAB Direct Fire Suppression Systems

- ✓ **Immediate fire detection and delivery**  
The suppression agent discharges through the distribution nozzles, suppressing the fire in a matter of seconds.
- ✓ **Highly reliable in harsh environments**  
The DAB high-grade detection tubing and distribution pipework are tolerant of dirt, debris and harsh operating conditions.
- ✓ **No power source required**  
DAB Indirect 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 Indirect Systems Work?

The DAB Indirect 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 distributed via the nozzles, strategically located for optimal coverage of the hazard area to ensure the highest level of protection. The suppression agent floods the protected area, suppressing any other fires which may have ignited. The fire is suppressed in seconds, minimising damage to the equipment.

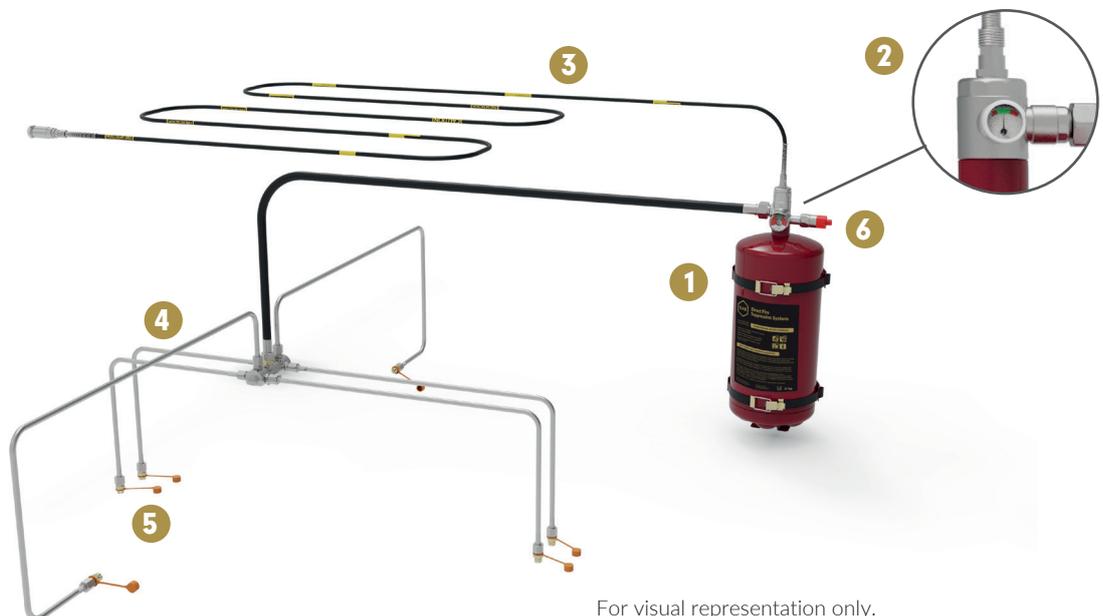
The pressure gauge on the cylinder valve confirms the pressure of the system is adequate (green segment).

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 suppression agent for each application.

## DAB Indirect System Layout

- |   |                                    |                                   |
|---|------------------------------------|-----------------------------------|
| <b>1</b> Suppression Agent Cylinder         | <b>3</b> Flexible Detection Tubing | <b>5</b> Discharge Nozzles        |
| <b>2</b> Cylinder Valve with Pressure Gauge | <b>4</b> Distribution Network      | <b>6</b> Optional Pressure Switch |



For visual representation only.



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## Applications for DAB Indirect Systems

- ✓ Machine Tools
- ✓ CNC / EDM machinery
- ✓ Transformer cabinets
- ✓ Fume chambers
- ✓ Electrical switchgear enclosures
- ✓ Data processing enclosures
- ✓ Wind turbine equipment
- ✓ 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 (depending on the suppressant)
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.

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