



# **BAVARIA®** Self Actuated Carbon Dioxide Fire Extinguishing Unit Direct/Indirect high Pressure Operated

## Type **BAVARIA FIRESEARCH-CO<sub>2</sub>**

### Applications:

The BAVARIA FIRESEARCH CO<sub>2</sub> is the new innovation designed for protecting inaccessible areas and fighting fires enclosures as control panels, cable tray and machinery rooms.



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## BAVARIA® Self Actuated Carbon Dioxide Fire Extinguishing Unit

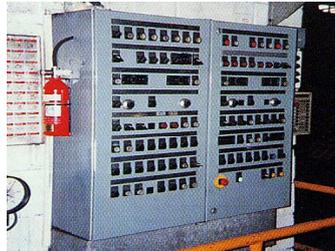
Direct/Indirect high Pressure Operated

Type: **BAVARIA FIRESEARCH- CO<sub>2</sub>**

### Theory:

- Specially designed for protecting inaccessible areas or enclosures such as: vehicles, control panels, and machinery rooms
- Bavaria firesearch is an automatic fire-seeking and fire fighting unit. It consists of one firesearch flexible polymer tubes pressurized at 8 bar and connected to a carbon dioxide fire extinguisher.
- Automatically actuated upon bursting of the tube at any point along its length due to temperature rise up-to 99°C (210.2°F).
- Drop of tube pressure in the direct high pressure firesearch system discharges the CO<sub>2</sub> gas directly from the burst hole in the tube at the closest point to the fire, which allows the fastest extinguishing time and minimum spread of the fire
- Drop of tube pressure in the indirect high pressure firesearch system discharges the CO<sub>2</sub> gas via piping network which ends with special nozzle that distribute the gas all over

### STOPS FIRES WHERE THEY START...



Control Panels



Machine Rooms



Boats



Escalators

### ... IN SECONDS!

### Features:

- Ideal for any application where a potential fire risk is present within an enclosed or confined space by extinguishing fire at its very incipient stage with minimal damage.
- Firesearch automatic high pressure fire extinguishing system do not need any external source of energy or electric supply.
- Cost effective as no electrical installation or wiring is required and less amount of gas.
- Can be interfaced with an alarm device or system via pressure switch.



5 SECONDS  
small fire begins



10 SECONDS  
tubing ruptures,  
releasing gas,  
extinguishing fire

15 SECONDS  
the fire is out





## BAVARIA® Self Actuated Carbon Dioxide Fire Extinguishing Unit

Direct/Indirect high Pressure Operated

Type: **BAVARIA FIRESEARCH- CO<sub>2</sub>**

### Features:

- Suitable for fighting flammable liquids and electric fires
- Carbon dioxide is a clean agent that leaves no traces, thus ideal for fighting fires involving electronic and hi-tech equipment.
- Brass valve complete with overpressure safety valve, and pressure regulator
- High quality surface treatment and red polyester coating



The Company Certified according to Quality, Environment ISO 9001, ISO 14001 and BS-OHSAS 18001 Management Systems  
Bavaria Laboratory Accredited According to the ISO/IEC 17025

### Specifications:

System Type	Direct High Pressure System			Indirect High Pressure System	
	2 kg	6 kg	10 kg	25 kg	45 kg
Capacity	2 kg	6 kg	10 kg	25 kg	45 kg
Fire Classes	BE			BE	
Test Pressure	250 bar			250 bar	
Cylinder Bursting Pressure	Over 450 bar			Over 450 bar	
Operating Head	Brass valve with overpressure safety valve				
Discharge Fittings	Firesearch polymer flexible tube at various lengths			Piping network which ends with special nozzle	
Cylinder	Seamless steel cylinder				
Tube Bursting Temp. at 8 bar	99 °C (210.2 °F).				
Extinguishing Agent	CO <sub>2</sub>				
Paint Finish	Surface treatment and 100% polyester coating				
Gross Weight	8.3 kg	22.2 kg	36.0 kg	105.0 kg	135.0 kg

### Warranty:

Period of Warranty	1 Year
Coverage of the Warranty	Against material failure and production defects
Method of Warranty Coverage	Limited to the replacement of the defected part or product after verification that the failure is covered by the scope of the warranty
Warranty Exclusions	Failures due to misuse, mishandling, or inspection or repair by an unauthorized dealer or entity

\* The illustrations may show optional extras only available at extra charge. BAVARIA retains the right to alter specifications and illustrations given herein without prior notice. Specifications will only be considered communicated at placing of order.