



## GASEOUS FIRE SUPPRESSION SYSTEMS

### Fire suppression for valued assets

High value facilities warrant dedicated specialist protection whether it is a Data Centre, Museum, Art Gallery, POG facility, Marine, Power or Industrial facility. Our passion to protect drives us to create solutions to help you safeguard you valued people, property and operations.



### SAPPHIRE suppression systems

#### Greener and more environmentally-friendly fire protection

Custom-engineered clean agent system for 3M™ Novec™ 1230, delivering a clear, colourless low-odour agent with zero ozone depletion and safe for use in occupied areas. Available as a 25 and now a 42 bar system, this already versatile system with the additional benefit of high pressure release and multi-valve technology

is suitable for application which contain multiple risks and benefit from protection via a central storage location.



### Inergen Clean Agent Systems

#### A clean, non-conductive and natural fire suppression agent

INERGEN introduces the proper mixture of gases into a room lowering the oxygen content below the level that supports combustion but allows a person to breathe, and as no fogging on discharge occurs, evacuation is not inhibited. The INERGEN system is particularly useful for suppressing fires in hazards where an electrically non-conductive medium is essential or desirable; where clean-up of

other agents presents a problem; or where the hazard is normally occupied and requires a non-toxic agent.

## iFlow<sup>®</sup>



### Controlled release, three innovations working together

The i-FLOW system is patented technology incorporating three innovations working together: the i-FLOW valve, the i-FLOW check valve and the i-FLOW matrix cylinder racking design.

i-FLOW valves regulate the agent release flow, eliminating peak pressure spikes associated with conventional orifice systems. The check valve ensures the integrity of the system by preventing leakage and can be placed in any orientation to connect multiple components. Finally the i-FLOW's matrix cylinder racking design offers maximum space utilisation in conventional or unconventional spaces.



### Naturally occurring protection for environments containing electrical components

i3 is part of the inert gases family, a 50/50 mix of Nitrogen and Argon. Acting as all inert gas systems, it works by reducing the oxygen in a protected enclosure to a level that will not sustain combustion. The benefit of using Nitrogen and Argon is that they are naturally occurring in the atmosphere, so upon discharge there is no global warming or ozone depleting potential. As i3 is stored and discharged as a gas, it is ideal for environments containing electrical components.

## FM-200<sup>®</sup>

### Fire suppression by heat removal



FM-200 works by removing the element of heat from a fire to interrupt combustion and suppress a fire. It is non-conductive so there is no effect on energized electrical components upon discharge, and with zero ozone depleting potential, it has proved to be the most widely selected replacement for Halon 1301.

## CO<sub>2</sub>

### Ideal for non-occupied spaces



A naturally occurring compound with no measurable environmental impact, making it ideal for non-occupied spaces\* that can be totally flooded by a suppression agent for maximum effect, CO<sub>2</sub> is collected, stored and processed for use as a fire suppression solution. Providing personnel are trained in the hazards, safety precautions and operation of CO<sub>2</sub> systems during and after discharge, CO<sub>2</sub> is an economical fire suppression solution for protecting numerous industrial applications.\*

\*CO<sub>2</sub> is lethal at design concentrations and must not be used in occupied areas or areas where human exposure is possible.