



# GASEOUS SUPPRESSION



GASEOUS  
SUPPRESSION



WATER  
SUPPRESSION



FOAM  
SUPPRESSION



EXPLOSION  
PROTECTION



FIRE  
DETECTION



MILITARY  
& DEFENCE



SPECIAL  
APPLICATIONS



SUPPORT  
SERVICES



## PROINERT™

PROINERT™ is a clean agent fire extinguishing system using inert gas (IG55, IG541, IG100 or IG01) and is used in total flooding systems.

PROINERT™ has become widely accepted as the best performing, most cost effective, and environmentally friendly inert gaseous suppression system, offering extended hold times and great flexibility in design.

PROINERT™ is an ideal choice for a wide variety of industries and applications, suitable for facilities such as computer rooms / data centres, telecommunications facilities, and the like. PROINERT™ is unique in that it utilises a pressure regulating discharge valve which produces lower discharge pressures which also translates into lower costs all around, resulting in savings with pipe work, venting area and cylinder storage.

## NOVEC 1230™

Novec 1230™ (C6 Fluoroketone) Fire Protection Fluid is a second generation clean agent gaseous suppression system. Novec 1230™ is a chemical agent used primarily in total flooding systems and is the most environmentally benign of all the chemical agents. Novec 1230™ is used in applications ranging from computer rooms / data centres, telecommunications facilities, switch gear, high-tech medical applications, and pleasure craft to priceless works of art and historic landmarks. Novec 1230™ is truly a real breakthrough in clean agent technology, a liquid at room temperature, it looks, feels and acts like water allowing flexibility in recharge procedures. In particular our higher storage pressure at 34.5 bar (500psi) allows the greatest flexibility for the system design.

## FM-200®

FM-200® (HFC-227ea) Clean Agent fire extinguishing systems are the most widely used of all the halocarbon gaseous agents, and is universally accepted as the best agent used to replace Halon 1301.

FM-200® is a chemical agent used primarily in total flooding systems and has been installed in over 200,000 systems worldwide.

FM-200® fire suppression systems protect everything from computer rooms / data centres, telecommunications facilities, and switch gear to military vehicles, high tech medical applications, and pleasure craft to priceless works of art and historic landmarks around the world.

## CARBON DIOXIDE

Carbon dioxide (CO<sub>2</sub>) is a colourless, odourless, electrically non-conductive gas that is highly efficient. CO<sub>2</sub> has been used as an extinguishing agent for more than 80 years and was the first gaseous agent used for fire suppression. It can be used for local application and total flooding systems and is suited to a wide range of applications and hazards. CO<sub>2</sub> has a high rate of expansion enabling rapid fire suppression and provides a heavy blanket of gas that reduces the oxygen level to a point where combustion cannot occur. CO<sub>2</sub> is not approved for occupied spaces unless fitted with a safety interlock device to prevent the system from discharging when the enclosure is occupied. Like all fire protection systems, CO<sub>2</sub> systems should only be designed by experienced engineers. CO<sub>2</sub> can be used to protect applications such as generator sets, turbines, switch gear, flammable liquid baths, electrical enclosures and transformers.



# GASEOUS SUPPRESSION



“EVERY SOLUTION FOR YOUR SPECIAL HAZARD PROBLEMS”

*“We will help analyse your needs to determine the most suitable fire suppression agent for your application and your business”*

**Gaseous Fire Suppression** or Clean Agent fire suppression are terms used to describe gases used to extinguish fires. Typically gaseous agents work in one of two ways, the first is to inert the atmosphere reducing oxygen levels to a level that will no longer sustain combustion, the second is to react chemically with the fire absorbing heat and causing the chain reaction of combustion to break down.

Clean Agent fire extinguishing systems are typically used to protect three dimensional enclosures containing high value assets that are vital for business continuity, and assets that cannot be protected by traditional sprinkler systems due to the potential for water damage. Typical examples of system applications include telecommunication facilities, clean rooms, data processing centres and museums.

Regulatory authorities in Australia govern the use of gaseous agents, systems and hardware. Compliant systems are subject to testing and an approval process that takes into account agent importation licenses, pressure vessel approvals, system performance,

reliability, human safety, environmental impacts etc. Clean Agent fire suppression products supplied by Fire Protection Technologies are environmentally friendly and cost effective solutions and meet all regulatory authority requirements.

Where easy clean-up, minimal down time, business continuity and people safety are overriding factors, you need to consider clean agent gaseous suppression for your fire protection needs. We will help analyse your facility and operations to determine the most suitable fire suppression agent for your application and your business.

**A fire is DEVASTATING!**  
Conventional fire systems provide personal and structural protection. But when it comes to high value assets and irreplaceable items, water can be just as damaging as any fire!



**OUR COMMITMENT** *“To provide our customers with the best possible service, the highest quality products and the right solution for your needs”*

## PRODUCTS:

### *Gaseous Suppression*



Inert Gas (IG-01, IG-55, IG-100, IG-541)  
Novec 1230™ Fluid (FK-5-1-12)  
FM-200® / NAF S 227 (HFC-227ea.)  
Ecaro 125® / NAF S 125 (HFC-125)  
Carbon Dioxide (CO<sub>2</sub>)  
Hybrid Systems (N<sub>2</sub> / Water)  
Pressure Relief Vents  
Enclosure Integrity Testing Equipment  
Pipe & Fittings

### *Water Suppression*



Water Mist - High Pressure  
Water Mist - Intermediate Pressure  
Water Mist - Low Pressure  
Hybrid Systems (Water / N<sub>2</sub>)  
Monitors & Delivery Systems  
High Speed Deluge

### *Foam Suppression*



Foam Concentrates  
Foam Proportioning  
Foam Delivery Systems  
Foam Concentrate Testing

### *Explosion Protection*



Explosion Suppression  
Explosion Isolation  
Explosion Vents & Pressure Relief  
Spark Suppression  
Explosibility Testing

### *Fire Detection*



Linear Heat Detection - Digital  
Linear Heat Detection - Fibre Optic  
Linear Heat Detection - Micro Chip  
Flame Detection  
Video Imaging Detection  
Spark Detection  
Control & Indicating Equipment  
Thermal Imaging Detection  
Aspirating Smoke Detection

### *Military & Defence*



Military Vehicles  
Naval Vessels

### *Special Applications*



Micro Environment  
Oxygen Reduction  
Kitchen Protection Systems  
Dry Chemical  
Vehicle Systems  
Compressed Air Foam  
Marine & Offshore  
Vapour Mitigation

### *Support Services*



Design / Engineering  
Technical Support  
Services & Testing

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*'Every solution for your special hazard needs'*