Next Generation Fire Fighting Solutions
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“Every solution for your special hazard problems”

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

Fire Protection Technologies is the largest independent supplier of product, design and engineering services in Australia, New Zealand and Asia Pacific. In conjunction with our ‘whole of life’ approach to our product range, technical support, design and engineering solutions available throughout all stages of a project from development to delivery, we will continue to provide ongoing support for the life of the product.

Wholly Australian owned and operated we have a team dedicated to customer support, complete with 350+ years combined practical experience in delivery and engineering of special hazard projects.

Being the sole distributor in this region for some of the world’s largest and technically advanced product manufacturers, together with our technical capabilities enables us to provide the highest quality products including technical and product support.

Our aim is to provide design driven solutions and to educate our customers on their options including advantages and disadvantages enabling our customer to make an informed decision on what product best serves and meets their needs.

Technical support, design and engineering assistance will be available for the life of the product; our staff and product managers regularly attend product training with all our manufacturers enabling us to maintain the highest level of up to date local support and technical assistance.

With offices and warehouses in Melbourne (Head Office), Sydney, Brisbane, Perth, Auckland and Singapore, including regional managers for South Australia, Tasmania, Northern Territory and Malaysia. We continue to grow throughout the Asia Pacific region.

Fire Protection Technologies continues to develop infrastructure to support all of our customers and their needs. Fire Protection Technologies provide environmentally responsible, people safe fire protection solutions for all your special hazard fire protection problems.

As such the product portfolio available from Fomtec results from continuous research, and development and takes into consideration new regulations, new demands, and new risk applications. This leads to a strong and varied selection of products with different performance levels and certifications to meet all special hazard applications.

Importantly as environmental issues are becoming more and more prevalent in today’s industry, Fire Protection Technologies believe that it is essential to provide customers with products that have a very low impact on the environment. The Fomtec range of Fire foam concentrates optimise the environmental profile of their products without compromising performance. This includes formulations for fluorinated foams based on a new generation of fluoro-surfactants and C6 chemistry.

Superior Performing Fluorine Free Foams

Fire Protection Technologies strive to maintain and develop our product lines to meet the changing needs of industry and market segments. We are proud to announce our newest product partnership with leading Swedish foam Manufacturer Dafo Fomtec AB.

Fomtec are an independent European, manufacturer of Fire Fighting foams and equipment, who, like Fire Protection Technologies has built a reputation on strong customer values and innovative product solutions to suit specialty applications.

The selection of water and foam equipment includes;

- Foam chambers
- Foam makers
- Proportioning skids
- Bladder tanks
- Fast response fire fighting trailers
- Water and foam hydrants
- Pressure regulating valves
- Post indicator valve assemblies (PIVA)
- Proportioners
- Monitors
- Hoses
- Cabinets

**FLUORINATED FOAMS**

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Fluorine Free Foams

Fire Protection Technologies offer a range of Fomtec Fluorine free foam concentrates that have many qualities above and beyond what is currently available to market including:

- Superior performance capabilities
- Unique chemistry base
- Lower toxicity levels
- Low environmental impact

Fomtec are at the forefront of research and development concerning fluorine foams. Fire Protection Technologies deem this partnership central to achieving superior quality foam suppression products as part of our range.

Included in the portfolio is a wide range of foam equipment for fire fighting professionals of municipal fire brigades, petrochemical, pharmaceutical, chemical Industries, oil & gas, marine and aviation.

**EQUIPMENT**

The selection of water and foam equipment includes;

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- Fluorine Free Foams...
FireDos® Proportioners & Monitors

Accurate foam proportioning equipment is vital to the overall performance of the foam fire protection system and we offer a complete range of proportioning systems.

FireDos® is the revolutionary proportioning system that operates without any external power supply. Drive for the unit is provided solely by the water supply being used to fight the fire. The rotation speed of the drive motor is proportional to the volumetric flow rate, thereby enabling the FireDos® unit to accurately proportion product concentrations from as low as 0.1% up to 6%.

It is capable of handling practically any fluid from a flow rate of 10 L/min. to 20,000 L/min. and is not affected by fluctuations in flow or pressure. FireDos® is cost effective and will also eliminate the need for installation of expensive foam concentrate pumps, bladder tanks and associated equipment.

FireDos

FIREDOS® FOAM HOSE REEL & HYDRANT CABINET SYSTEM

The foam hose reel and Hydrant cabinet system shown below is designed for use in many applications including tunnel environments and utilises the FireDos proportioning system to ensure accurate proportioning of foam concentrate regardless of fluctuation in the supply pressure and flow.

OVAL FLAT DESIGN MONITOR

As the technical & industry leader in water driven proportioning & high flow monitor systems, FireDos introduce their new groundbreaking ‘Oval Flat Design’ monitor, unique features;

- Low turbulence
- Superior performance
- Five different models for water flow rates up to 50,000 L/min (13,000 gpm)
- Inlet flange connection from DN50 to DN300 (2” to 12”)
- Made of seawater resistant, powder coated aluminum alloy
- Manual or remote control operating capabilities

Akron Brass
Industrial Monitors

Fire Protection Technologies engineered and manufactured delivery systems ensure a rapid, thorough, and economical response to fires, spills and vapour release.

Our customised approach to applications and specifications provide a dependable engineered solution which can include equipment such as; manual monitors, manual constant or adjustable flow nozzles, remote controlled monitor systems, hydraulic controlled monitor systems, customised monitor control stations, skid mounted monitors and trailer mounted monitors.

Akron Brass industrial equipment and delivery systems, are comprised of a multitude of varying equipment selections to suit the industrial and petrochemical market place. Equipment offerings include fixed manual monitors and nozzles, portable monitors, adjustable hand nozzles, remote controlled monitors and complex engineered systems.
Insight Computer Vision Wildfire Detection System

Insight Computer Vision Wildfire Detection System is designed to provide a total solution for long distance 24-hour wildfire detection by applying thermal imaging sensors and advanced artificial intelligence vision technology.

It can detect and locate wood or vegetation based fires as small as an area of 2m x 1m within 5 km radius, covering up to 78.5 km² of forest area and living area. It provides accurate real time images and locations to control centers for manual or computer analysis and act promptly to stop spreading of fire.

It can also detect and report wildfire under different climates, terrains, plant types and other influencing factors in the early stages, overcoming the shortcomings of human control such as false alarms, detection delay, etc.

In addition, the Thermal Imaging Analysis technology developed for the Wildfire Detection System can be used in monitoring large city parks, pipelines, substations and infrastructures.

Barricade

Barricade II is a revolutionary product, developed to assist fire fighters and property owners to control and extinguish fires and to protect exposures from burning. Utilising the latest in technology, Barricade II has been proven under real life situations and will forever change the science of fire fighting and exposure protection.

During recent years, the problems encountered during urban interface fires have made headlines around the world. Devastating fires have cost lives and caused millions of dollars worth of damage to homes, businesses and other structures. The development of Barricade II will now enable our communities to better control these destructive fires and to reduce the tremendous loss of life and property.

Barricade II is a liquid concentrate composed of super absorbent polymers. These super absorbent polymers can absorb hundreds of times their weight in water. It is this characteristic that gives Barricade II its tremendous ability in fire fighting.

Barricade II is intended to be used in diluted form. When the Barricade II concentrate is added to water at a rate of 1 to 6%, a unique fire-blocking gel is produced.

The Barricade II gel, when applied to a combustible structure or material, provides an insulating zone between the heat of the fire and the protected surface, even at temperatures of 2000° Celsius! The thermal protective ability of Barricade II is far superior to anything previously available to suppress fires and to protect exposures.

Barricade II is specifically formulated to adhere for long periods to most horizontal and vertical surfaces, including walls, roofs, ceilings, overhangs, glass windows, compressed gas cylinders, railroad tank cars, motor vehicles, watercraft, aircraft, trees, brush, shrubs, plants and grass. Barricade II will continue to adhere to protected surfaces even in high wind conditions.

Barricade II may be prepared in the same manner as fire fighting foams using standard foam eductors. It can be applied using standard hoses and nozzles or master stream devices. There is no extensive training or special equipment needed to start using Barricade II today.

Barricade II: Safe For People & The Environment

The two main components in Barricade II are food grade canola oil and the active polymer ingredient which is biodegradable. All other ingredients are food grade materials used for viscosity and stabilisation. Therefore, Barricade II poses no long term threat to personnel using the gel to fight fires or to the environment following clean-up.

Unlike other gel products, Barricade II does not contain any toxic substances such as mineral oils and Nonylphenol Ethoxylate (NPE). Both these components are inherent in any mineral oil based gel formulation. NPE’s effect the endocrine systems of aquatic life and land based species over time and can cause transgenerational defects.

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**
Proflert™ (IG-01, IG-55, IG-100, IG-541)
Novec 1230™ Fluid (FK-5-1-12)
FM-200® (HFC-227ea.)
Carbon Dioxide (CO2)
Hybrid Systems (N2 / Water)
Pressure Relief Vents
Enclosure Integrity Testing Equipment
Pipe & Fittings

**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

**Water Suppression**
Water Mist - High Pressure
Water Mist - Intermediate Pressure
Water Mist - Low Pressure
Hybrid Systems (Water / N2)
Monitors & Delivery Systems
High Speed Deluge

**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

**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

**Support Services**

**Design / Engineering:**
- Design Services
- Project Documentation
- Project Management
- Cost Analysis
- System Hydraulics

**Technical Support:**
- Design Verification
- Commissioning
- Hazard / Risk Analysis
- Product After Sales Service
- Field Support

**Services & Testing:**
- Hydrostatic Pressure Testing
- System Recharging / Reinstatement
- Enclosure Integrity Testing
- Integrity Testing Equipment Calibration
- Foam Concentrate Testing
- Explosibility Testing
- Maintenance Services
- Training
- De-Commissioning
- Pipe & Fittings

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