



MASTERS OF FIRE

-  **PASSIVE FIRE**  **PROTECTION SYSTEMS**  **TRAINING**
-  **EMERGENCY RESPONSE APPS**  **FIRE RATED PRODUCTS**
-  **FIRE DETECTION & SUPPRESSION**  **EXTINGUISHERS**
-  **SPRINKLERS**  **FIRE SAFETY ENGINEERING**



With more than three decades of combined passive fire industry experience, the key staff at Fire Sealed, a Melbourne-based specialist company, are well placed to advise you on practical solutions.

Working mostly on commercial projects, Fire Sealed are finding their expertise in penetration schedules is proving to be a drawcard.

“We’ve been doing a fair bit of work in this area and are becoming known for our innovative approach, which uses new technology. We’ve got a good way to do it. Our clients are asking us for this service more and more as the need for it has become more stringent across the industry,” said Directors Lukas Calleja and Christopher Dove.

Chris and Lukas have worked for a range of leading fire protection companies, allowing them to hone their skills working across all facets of the industry including project management, sales, installation, design and construction.

Fire Sealed specialises in passive fire requirements, smoke and acoustic penetration sealing of services, design and construction of fire-rated bulkheads, access

panels and hatches, cladding of steel and ductwork as well as fire-rated wall and floor joint caulking.

They work with fire-resistant wraps for mechanical ductwork, fire-resistance cladding for bulkheads and use fire-resistant paints for structural steel and electrical applications as well as fire wraps for penetration upgrades to achieve compliant FRL’s.

“We offer competitive pricing with professional service from our project management team right through to our installation specialists. From your initial consultation, through to certification Fire Sealed can install, inspect, and repair the passive fire protection system within your building. That is for new projects or retrospectively fitted to existing buildings,” they said.

The company relishes creating solutions for clients to save them program time and costs. They ensure projects comply with Australian

Standards having worked with them intimately over the years. “We’ve got the ability to look at a job that a client or subcontractor think can’t be sealed, be it for a new project or retrofitting an existing building.

“We can come up with a solution to ensure that the passive fire protection system is backed by test certificates and/or fire engineers, with the inclusion of acoustic and smoke seals to all plumbing, electrical and mechanical ductwork.

“We also offer a wide range of services offering peace of mind to managers, builders, building owners and body corporates such as quarterly/annual inspections and audits and site inspections to check for compliance and produce detailed reports outlining where they can make potential cost saving,” said Lukas.

The company strives to continuously improve its services and keep up-to-date with new industry specifications and requirements.

“You might not have heard of our company name as it’s relatively new, but our staff have been in the industry for decades. If you are looking for innovative, cost-effective and compliance advise on passive fire protection systems, give us a call, we are just as good if not better than the competition,” he said.

“We aim to be the most trusted professionals in the passive fire protection industry.”

Fire Sealed has worked in the building, industrial, health, electrical, plumbing and mechanical industries.

Key projects the company has worked on include Parliament Square, where they installed fire and acoustic seals, and the redevelopment of the Royal Hobart Hospital involving all stages of the project and reinstating fire and acoustic integrity in existing buildings. They’ve also worked on the Platinum Towers in Melbourne and Latrobe Hospital in Traralgon.

Fire Sealed
Windsor, VIC
03 8590 8872
Luke – 0499 076 448
Chris – 0424 401 367
admin@firesealed.com.au
www.firesealed.com.au



THE VESDA SOLUTION

A world-leader and largest manufacturer of very early warning aspirating smoke detection systems, Xtralis has been a pioneer in life safety and security for over 30 years.

Now owned by Honeywell, Xtralis is perhaps best known for its Australian-invented VESDA product range. The technology was invented by the CSIRO and Australia Post in the early 1970s (Packham & Gibson). VESDA was a response to the need for a very early smoke detection system capable of detecting smoke even when it couldn't be seen within the telecommunications industry for Telstra (formerly Telecom). "If you can detect it early you can prevent it from becoming a large fire," explains Eddie Tieppo, Pacific Sales Leader with Xtralis.

"It gives time to react to prevent a disaster – especially in a data centre space, where it can take time to detect a fire."

VESDA can be located at a level where it can be readily accessed – rather than on high ceilings which may require a ladder or scissor lift. This means the detection system is easier to access for maintenance and safety.

For builders and architects, VESDA is a value-add system that enables them to meet fire protection requirements within the National Construction Code (NCC). "VESDA can be used in most applications. It is a system that can solve problems through the Performance criteria of the NCC," Eddie adds.

With its ability to be unobtrusive, VESDA is being favoured by architects, particularly for ceilings, where traditional fire detection points may interrupt an interior's aesthetics. "Iconic buildings are another example where a very early warning system is required but which is not obtrusive," Eddie adds.

For this reason, VESDA products are preferred by renowned Australian landmarks such as the National Museum of Australia, St Patricks Cathedral, Sydney Opera House, Sydney Exhibition Centre, St Andrews Cathedral.

Additionally, the inconspicuous nature of VESDA has seen it applied in the prison system as VESDA eliminates the need

to enter cells for maintenance as well as removing potential ligature points.

Where detecting smoke can be more difficult for traditional spot type detectors, the VESDA range provides a resolution. "For environments with a high air flow or large volume, it is very difficult to detect smoke," Eddie explains. "You need a detection system with the flexibility in both application and detecting a low or high amount of smoke. Most of the former Masters stores, for example, were protected with VESDA because of their high ceilings, large volume and airflow."

It was part of a fire-engineered solution to meet the performance criteria set out in the NCC. While the sprinkler system in the stores are designed to activate when fire has established and put it out quickly, the air flow from the air conditioning and heating systems would prevent this occurring. The early warning VESDA system turns off the air conditioning and heating enabling the fire sprinklers to work as designed."

As well as building and architecture, VESDA solutions are being used across a range of industries, including industrial, accommodation, healthcare, public transport, pharmaceutical and public venues.

Being a very early warning detection system, VESDA enables occupants to evacuate a space safely (be it accommodation centres or large public venues), even when there are longer evacuation distances. "Where you have a lot of people in an enclosed area, you want to have a very early detection system to investigate the cause and eliminate or evacuate those people without panic," Eddie says, adding that VESDA helps alleviate this panic as smoke can't be seen.

R&D is taking place around how to further improve Very Early Warning Detection Systems. This includes integrating them with security systems to enable faster and planned response and detecting the type of smoke or gas and eliminating false alarms.

For more information contact Xtralis Pty Ltd, phone 03 9936 7000, email sales_ANZ@xtralis.com, website www.xtralis.com





For over 90 years Kidde has been delivering detection and suppression systems to key markets, worldwide.

Today, Kidde provides **solutions that integrate** fire suppression, detection and security, making a safer, smarter, sustainable future.

Visit our website today at www.kidde.com.au

Kidde Australia Pty Ltd is a UTC Climate, Controls & Security company.



Barangaroo Commercial Precinct, Sydney NSW



Premier Fire is one of Australia's largest privately owned fire protection companies. It has offices in New South Wales and Queensland and employs over 250 people. Most of its staff has worked for the company for a decade or more.

"We are truly a one-stop-shop. We provide everything that's required to suit the fire protection compliance needs of a building", said Gordon Stalley, Managing Director and Founder.

The company specialises in the design, supply, installation, commissioning and servicing of fire protection systems. They are best known for creating fire protection systems for Tier 1, high end projects, particularly in commercial and residential high-rise buildings and shopping centres.

Premier Fire has design and engineering expertise in automatic fire sprinkler systems, drencher systems, fire hydrant and hose reel systems, gaseous fire suppression systems, fire detection and alarm systems, emergency warning and evacuation systems, extinguishers, passive fire protection systems, access and egress requirements, emergency lighting, fire and smoke doors and Council Compliance Certification Requirements.

"In New South Wales, designers and installers at this stage do not need to be licensed or accredited. Our company however, employs only skilled tradesmen who understand and apply the relevant codes and standards". Premier Fire has developed that expertise since setting up almost 30 years ago, with its first project being the iconic Sydney Aquarium at Darling Harbour.

"The senior staff at that time all came from one of the major fire protection companies. The Sydney Aquarium project allowed Premier Fire to gain a reputation for excellence in its own right which has led to countless iconic projects including Aurora Place in Phillip Street Sydney, Queensland Children's Hospital in Brisbane and as a joint venture partner on the Barangaroo Commercial precinct in Sydney. Gordon Stalley is one of the National Councillors of the National Fire Industry Association, mostly representing the Association on New South Wales issues. During that time the NFIA has opened fire industry training colleges across Australia.

For more information contact Premier Fire Protection, Unit 2/3 Gibbes Street, Chatswood NSW 2067, phone 02 8422 6888, fax 02 8422 6899, email gordon.stalley@premfire.com.au, website www.premfire.com.au



Proud of our vital role in Perth's Major Projects



North Point Consulting is a specialist in designing fire protection engineering. Principal of North Point Consulting, Nathan Fraser, explains this role is different to that of a fire safety engineer. "Fire safety engineers determine what fire systems are required for a building; a fire protection engineer designs and documents compliant and cost effective fire protection systems to meet the project requirements."

"90% of our projects involve a shared water supply for the fire sprinkler and hydrant systems. It is vital to get the balance right with pipe, pump and tank sizing. We fully calculate our fire systems, simulating simultaneous operation of fire sprinklers and hydrants. Using minimum or standard flows for combined systems and water supplies puts the project at risk of under sizing the actual water supply requirements; costing time and money during construction"

North Point Consulting has an impressive resume of successful projects including Commercial High Rise, Shopping Centres, Industrial, Mining, Residential and Health Care. Most recent projects include; Kings Square 1,2 and 4, Old Treasury Building, Capital Square Tower 1, West Stadium and Masters Hardware. North Point Consulting engineer and design all types of fire protection systems

including fire hydrants, fire hose reels, fire sprinkler systems, fire extinguishers, fire detection and occupant warning systems. The focus on Fire protection means North Point Consulting has an in depth knowledge of Australian Standards, NFPA and FM Global Loss Prevention Data Sheets to navigate clients through the compliance issues related to their project.

Nathan has had extensive experience in all facets of the fire protection industry and all types of fire hazards. He has been devoted to the fire industry since 1998, and his roles in the industry include; fire sprinkler fitter, project manager, discipline leader for fire engineering at a top tier consulting firm to now proudly operating North Point Consulting. Nathan's experience also includes two years in Canada with one of the largest Fire Protection Contractors in North America. Nathan's practical industry background and experience in project delivery and fully coordinated system design, ensures North Point Consulting delivers strategic, cost effective solutions utilising the latest fire protection technology.

For more information contact North Point Consulting, PO Box 2028, Churchlands WA 6018, mobile 0457 050 580, email nathan@npconsulting.com.au, website www.npconsulting.com.au

Passive Fire Systems has been specialising in just that since inception in 2005, with Founder and Managing Director Jim Paterson drawing on his 25-year-plus experience in the industry.

The award-winning company creates systems that are compliant with the Building Code of Australia. These include fire-resistance rated walls, floors and other devices to compartmentalise a building into smaller sections. "It's all about systems which help slow or prevent fire and smoke spreading from rooms and allows more time for people to evacuate," said Jim. "Most of our products lay in a dormant state until such time there's a fire," he said.

The company supplies, delivers, advises on, installs and certifies passive fire products and systems for the building and construction industry, Australia wide. They have offices in Brisbane and Sydney, with staff licensed under the QBCC for Fire Equipment – Passive (penetration and joint ceiling).

"We have customers that need to install small fitouts and large. We treat all jobs with the same attention," said Jim. "We can do some rectification work. Our priority is the plumbing, we can facilitate electrical and air conditioning but specialise in plumbing services."

Passive Fire Systems manufactures and supplies a vast range of fire collars for both floor and wall applications, retro fit and cast in situ. They also have a large range of fire stopping sealants and mortars, fire boards and metal pipe insulation. We carry a range of pvc fittings and puddle flanges and have a range of fixings and clouts for the correct installations. All meet the Australian standard. "Our core product range is fire collars, which we manufacture and supply. We mainly supply to the home unit builder market sector," Jim said.

"Our latest fire collar designed for floor waste and shower applications won a Good Design Award in our category, which was an amazing pat on the back for not giving in and not backing away from a very big challenge. We competed with some very large companies throughout the world."

Passive Fire Systems deals directly with the installers to assist with any problem installations.

For more information contact Passive Fire Systems (QLD) Pty Ltd, 109/193 Southpine Road, Brendale QLD 4500, phone 07 3205 8622, email jim@passivefiresystems.com.au, website www.passivefiresystems.com.au

Kingspan Insulated Panels help to address rising concerns about combustible cladding

Combustible cladding on high-rise buildings has become a critical issue owing to the use of polyethylene core aluminium composite panels (ACP) on façades across the globe. Combustible cladding poses serious safety concerns to people entering buildings in the event of a fire and particularly Australian fire brigades and emergency services.

This has brought into sharp relief the importance of those in the building and construction industry, as well as fire brigades and regulatory authorities, to ensure they have an up-to-date understanding of the different materials available for external cladding. Using the right materials at the start of a build, with careful consideration given to the quality and type of materials used, can help to mitigate fire risk.

Kingspan Insulated Panels is a global leader in the manufacture of fire-safe insulated panel and façade systems, backed by robust large-scale fire testing and a range of certifications to meet and exceed with Australian and global regulatory standards for fire safety.

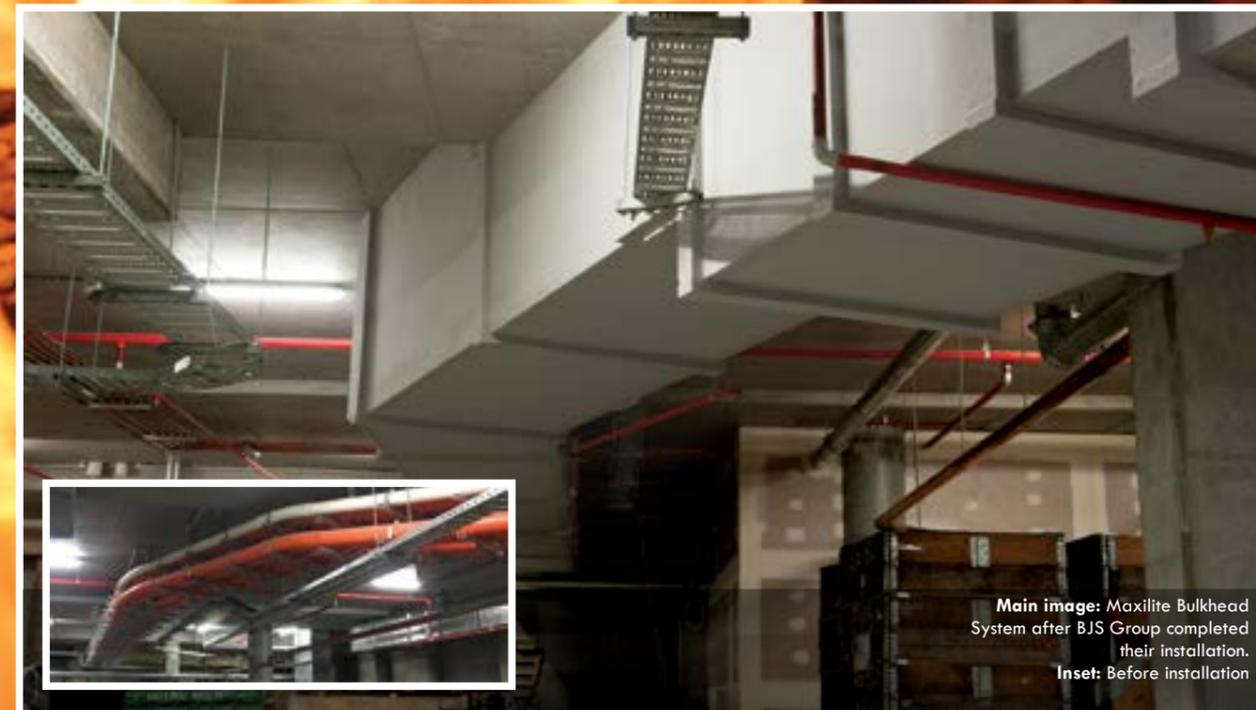
Its insulated building envelope cladding solutions contain a thermosetting core, which offers vastly superior fire performance over thermoplastic materials. Combined with the other benefits of Kingspan systems, this enables high-performance buildings to be constructed safely and more rapidly than other construction methods.

Kingspan Insulated Panels fully supports the objectives of Australian Standard AS5113 Fire propagation testing and classification of external walls of buildings and its panels have undertaken extensive, full-scale fire testing to meet fire regulation compliance in various markets around the world. Its tests include:

- The British test BS8414-1 for fire performance of external cladding systems. This includes test methods for non-loadbearing external cladding systems applied to the face of a building and it is one of the methodologies given in AS5113.
- The American National Fire Protection Association's NFPA285 test, which is a standard fire test method for the evaluation of fire propagation characteristics of exterior non-load-bearing wall assemblies containing combustible components.
- The Swedish SP105 test, which is performed on façade coverings and external walls in accordance with the test method SP Fire 105 for all kinds of commercial and residential buildings.

Kingspan Insulated Panels also has a number of real fire case studies where building façades constructed with its panels have been exposed to large fire loads.

Kingspan Insulated Panels Pty Ltd
38-52 Dunheved Circuit
St Marys NSW 2760
1300 KINGSPAN (1300 546 477)
www.kingspanpanels.com.au



Main image: Maxilite Bulkhead System after BJS Group completed their installation.
Inset: Before installation



Tested Systems are the only way to go



Riser Penetration



Promat Fire Collars

PASSIVE FIRE

Four years ago, Peter Olin, known as the Owner/Operator of Brisbane Joint Sealing branched out in to the Passive Fire world and formed BJS Fire Solutions.

Luke Mackey (0402 691 142) now runs the division for Peter, and BJS has built up a reputation as go-to guys for Passive fire advice, installation and certification.

Utilising products from the leading brands in the industry like Promat, Trafalgar, TBA Firefly and Snap Collars, BJS prides itself on maintaining high standards of work doing large and small scale work as a fully licensed operator under the QBCC.

BJS is a solution based company, working closely with manufacturers like Promat, who make time to go the extra mile to make sure your requirements are met. Even if an alternate solution or evidence of suitability is needed, BJS will help get your project over the line.

The Passive fire industry is a continuously evolving niche creating a headache for builders, certifiers and sub-contractors trying to navigate the minefield.

As well as installation work servicing from the Sunshine Coast to Byron, Luke and his team offer help with quality assurance, penetration register management and ensuring that your work is compliant with the BCA, AS4072.1 and AS1530.4.



Avoid the pitfalls of "She'll be right"

For more information contact BJS Fire Solutions, phone 1300 218 898, email fire@bjsgroup.com.au





HYDROFLOW LEADING WITH KNOWLEDGE
DISTRIBUTORS (AUST) PTY LTD

1300 493 359 sales@hydroflowservices.com.au www.hydroflowaus.com.au

SPECIALISING IN FIRE SPRINKLER, HYDRANT AND SPECIAL HAZARD SYSTEMS



Hydroflow Distributors is a multinational wholesaler specialising in the supply of high quality systems and services to the Plumbing, HVAC, Fire Protection and Industrial markets.

Hydroflow Distributors are agents for leading global brands including: Watts, Ames, Victaulic, Erico, Bugatti, SAB, Saint-Gobain, APEX and Insapipe.

Hydroflows' Distribution Centre, Customer Service and Technical Department are located in Altona (15 min from the Melbourne CBD). Sales Specialists are located in Melbourne, Sydney and Brisbane. Hydroflow prides itself on providing system solutions and a high level of service and technical support to our national customer base.

The Hydroflow Building Services Division specialises in piping systems for HVAC, Fire Hydrant and Fire Sprinkler systems. Our Building Services range includes:

- Primed and Galvanised Pipe – Plain end, Threaded or Roll Grooved
- Black ERW and Seamless Pipe and Butt-weld Fittings
- Stainless Steel Pipe and Fittings
- Victaulic Roll Grooved Couplings, Fittings and Valves

- Victaulic Sprinklers and Vic-Flex assemblies
- Watts WM Flanged and R/G Valves
- Hydroflow Flanged Valves, Expansion Joints and Strainers
- Threaded Valves including Bugatti Ball Valves
- GAL MAL Threaded Fittings
- Erico Hangers, Channel and Rod
- Ames Backflow Devices – SDC, DDC and RPZ
- Fabrication Services – Pipe Preparation and Prefabrication

Product Approvals include: UL, FM, ActivFire, Watermark and AGA.

Projects include: Sports Stadiums (MCG, Tennis Centre and Skilled Stadium); Shopping Centres (Eastland, Southland, Werribee Plaza, Chermshire); Education Facilities (Latrobe University, Melbourne University, RMIT); Hospitals (Cabrini, Monash Children's); High Rise Buildings (Collins Square Tower Two and Tower Four, Burke Place, Collins Place.)

For more information on our company, products and services please contact Suzy Peck (National Sales Manager, Building Services), mobile 0407 009 802, email suzy@hydroflowaus.com.au

When you're dealing with the fire engineer who contributed to the National Building Code, you can rest assured this man knows fire safety.

Director/Principal Benjamin Hughes-Brown set up his boutique fire engineering design and advice service, Ignis Solutions, in Canberra just over four years ago and now employs six others. He's at the peak of the industry, being one of only 18 fire safety engineer fellows of Engineers Australia, which means his wealth of experience and qualifications as internationally accredited. He's also accredited with the Fire Protection Association of Australia.

"Our company offers fire safety advice and design compliance for fire related matters from drawing board to signing off/certifying for handover. It's a complete service," said Benjamin.

Ignis provides performance based design and evaluations on product testing and buildings for manufacturers to ensure those products meet the Building Code of Australia.

"We find that many developers want to use specific products or designs, but the manufacturers may not have the right information

or know whether it's fire compliant. We help by doing a performance analysis to say 'it's okay' or recommend this is the testing required," said Benjamin.

"Our approach is to listen to our clients needs, rather than try to drive a solution. We can then create something that's suitable and with our knowledge with design and installation of fire safety systems we can deliver something that works and complies."

He shares his expertise through monthly face-to-face seminars, which sees him travel across the country.

Iconic projects that Ignis Solutions has been working on include one of Canberra's highest residential towers, The Mayfair Apartments, the Highgate Building and the Marketplace Gungahlin project.

For more information contact Ignis Solutions Pty Ltd, PO Boxes 674, Civic Square ACT 2609, phone 02 6100 3900, email mail@ignissolutions.com.au, website http://ignis.solutions/

SPECIALISED FIRE PUMP SOLUTIONS



When it comes to protecting your most valuable assets, fire pumps are vital. But implementing a solution that meets your site's unique requirements can be a challenge. Here at Allied Pumps we specialise in engineering, testing and installing bespoke fire pump solutions as a turnkey package.

PERTH CITYLINK BUSPORT

(pictured above):
Our 420,000 litre capacity Dual Compartment Rectangular Fire Protection Panel Tank and Pumpset Package demonstrates our capability to engineer and certify unique water storage tank designs, while being flexible enough to customise our range of standard designs to suit unique pump room layouts, tight pump room sizes and technically challenging applications.

WE OFFER A COMPLETE PACKAGE SOLUTION

Our wide range ensures a complete package solution, incorporating diesel engine, electric motor, anti-vibration mounts, fuel tank, batteries, pressure relief valves, and heat exchange cooling, all fully automated, interpiped and interwired on a common base. We take support services to the next level with initial engineering assistance through to on-site commission and a helpful after-sales service.

WE GIVE YOU MORE CONTROL

We fabricate our package pumpsets from base through to pipework and switchboards at our manufacturing facilities in Australia, giving you ultimate control on quality, economics and project delivery requirements.

WE DELIVER RIGOROUS TESTING & COMPLIANCE

Our fire pump solutions are comprehensively tested on our AS2417 test bay facility with flow capabilities to 700L/sec, incorporating NATA certified test instrumentation. Our fire pumps are engineered to comply with AS 2941 and other relevant fire codes.

WE ADD VALUE WITH SYSTEM FLEXIBILITY

We engineer each solution to your specific application and requirements. Whether it's a unique pump size to suit an existing plant room or a code compliant system drawing from a below ground tank, our flexible approach adds value to you and your needs.

A PROVEN RECORD OF SUCCESS

Mine sites, factories, manufacturing plants, and municipal buildings across Australia have benefited from our build capabilities, package solutions and engineering expertise to suit unique requirements.



More than 120 years experience in the Special Hazards fire suppression industry – that's what LPG Fire Australia – has to offer you !

At LPG Fire Australia our vision is to continue to be the leading provider of quality solutions for Special Hazards fire risks across all major industry sectors in the Australian and New Zealand markets. With our depth of experience and broad range of products we protect our clients and their business from the devastating effects of fire.

We pride ourselves on our ability to offer cutting edge technical solutions complimented with superior customer service to meet the individual demands of our customers.

As a Member of the FPAA and a QBCC licensed company we recognise our responsibilities to our customers and we are committed to providing the most appropriate fire protection solution to each and every project.

We understand the importance of getting it right the first time so we work closely with consultants, end users, industry, procurement companies and suppliers to develop solutions to meet local industry specific demands. To ensure continued supply and support of our products we maintain substantial stock holdings of cylinders, extinguishing agents, nozzles, valves and accessories in our warehouse.

We are also represented on the ground in Sydney, Melbourne, Brisbane, Darwin, Adelaide, Perth, Auckland and Christchurch, positioning us well to service the Australian and New Zealand markets.

Major industry sectors and markets serviced by LPG Fire Australia include:

- Petrochemical
- Data storage
- Museums
- Heritage buildings
- Rail
- Hangars
- Commercial
- Industrial
- Oil and gas
- Mining
- Power
- Infrastructure



For more information contact LPG Fire Australia, Unit 1/10 Fremantle Street, Burlleigh Heads QLD 4220, phone 07 5522 1953, email sales@lpgfire.com.au, website www.lpgfire.com.au



Visit us www.alliedpumps.com.au
or call us +61 (8) 9350 1000





Firequip is a major supplier of an extensive range of specialist products to the fire protection, plumbing and building industries.

They're the company to go to for products including metal pipe, pipe fittings and couplings, hydrant assemblies, valves, sprinklers, fire extinguishers, tools and pipe fabrication equipment.

They have a manufacturing capability to customise and build fire sprinkler systems and fire hydrant systems for commercial and residential buildings and carparks.

"We are committed to providing high quality certified products backed by unrivalled customer service" said Wayne Collins, General Manager.

In April 2016, Firequip introduced and have maintained their Customer Service Promise, which has given the company an edge over its competitors.

"It's unique as all our employees contributed to the working and design of the promise. It focuses on four points: availability and responsiveness, professionalism and honesty, quality and certification, and continuous improvement."

"One of the main reasons we developed this was because through speaking to people in the industry, we found there were poor levels of service among our competitors. Thanks to our efforts here, we're now a leading specialist fire equipment supply company."

An example of how Firequip will go above and beyond to ensure it meets its customer service promise is that its service does not stop at the point of sale. If the company sends out a hydrant booster kit and the plumber doesn't know how to assemble it, Firequip would send an expert out onsite to show them how.

The company has supplied to the North-West Rail Terminal, Canberra Hospital, the M2 Tunnel and multiple residential developments in greater Sydney.



For more information contact Firequip Pty Ltd, 2 Pike Street, Rydalmere NSW 2116, phone 02 9638 1300, fax 02 9684 2427, email sales@firequip.com.au, website www.firequip.com.au

Auscoast Fire Services is at the forefront of cost saving engineering in the specialised field of fire protection systems. Haydn Mackie believes this is one of Auscoast Fire Services biggest draw cards.

The company was formed in 2007 and is Co-Owned by Haydn and Murray Vandak and together with their team of designers have more than a century of fire industry experience. Haydn and Murray employ 40 people in their Queensland office, including nine apprentice sprinkler fitters. Their staff work across the state and have now branched out into New South Wales. The company's strengths are in the design, employing their own inhouse designers, complemented by a highly skilled team of tradesmen completing the installations.

"We treat all of our clients with their interests at heart. We have the resources to provide our clients with cost saving solutions through astute engineering, while still providing them with a system that not only complies with the Australian Standards, but delivers an overall result that is of high quality and cost effective. Over the years, I have saved my clients tens of thousands of dollars by applying these principles," said Haydn. "The core of our business is automatic sprinkler installations and fire detection and alarm systems."

Auscoast Fire Services are nearing the completion of the 41-storey Sunland Group project, Abian, located in the Brisbane CBD. This project features an incredibly high level of finish and their team has delivered an installation consistent with this high benchmark. Other notable projects that they have completed are a 56-storey residential building on the Gold Coast, and an 80-storey building which is currently the highest residential tower in Brisbane.

Their team also specialises in hydrants and hose reels, fire pump sets, water storage tanks, inspection, fire detection and alarm systems, testing and maintenance. They can also provide special risk installations such as transformer protection, LPG tank cooling systems, conveyor protection, foam and gaseous suppression systems and concept proposals.

"Our edge is that we work hard, we're committed and ensure we maintain a sense of pride in our workmanship. This approach has delivered us a lot of repeat work with our loyal client base," said Haydn.

For more information contact Auscoast Fire Services Pty Ltd, PO Box 37, Paradise Point QLD 4216, phone 07 5557 6788, email info@auscoastfire.com.au, website www.auscoastfire.com.au



ARE YOUR PEOPLE EMERGENCY READY?

During an emergency event amidst panic and chaos, having complete control of your wardens, your colleagues and your stakeholders all from your phone is unheard of in Australia, until now. An app has been developed that allows you and your team to track response activities, tasks, monitor and manage work areas, assembly points as well as communicate, report and record during an emergency event.

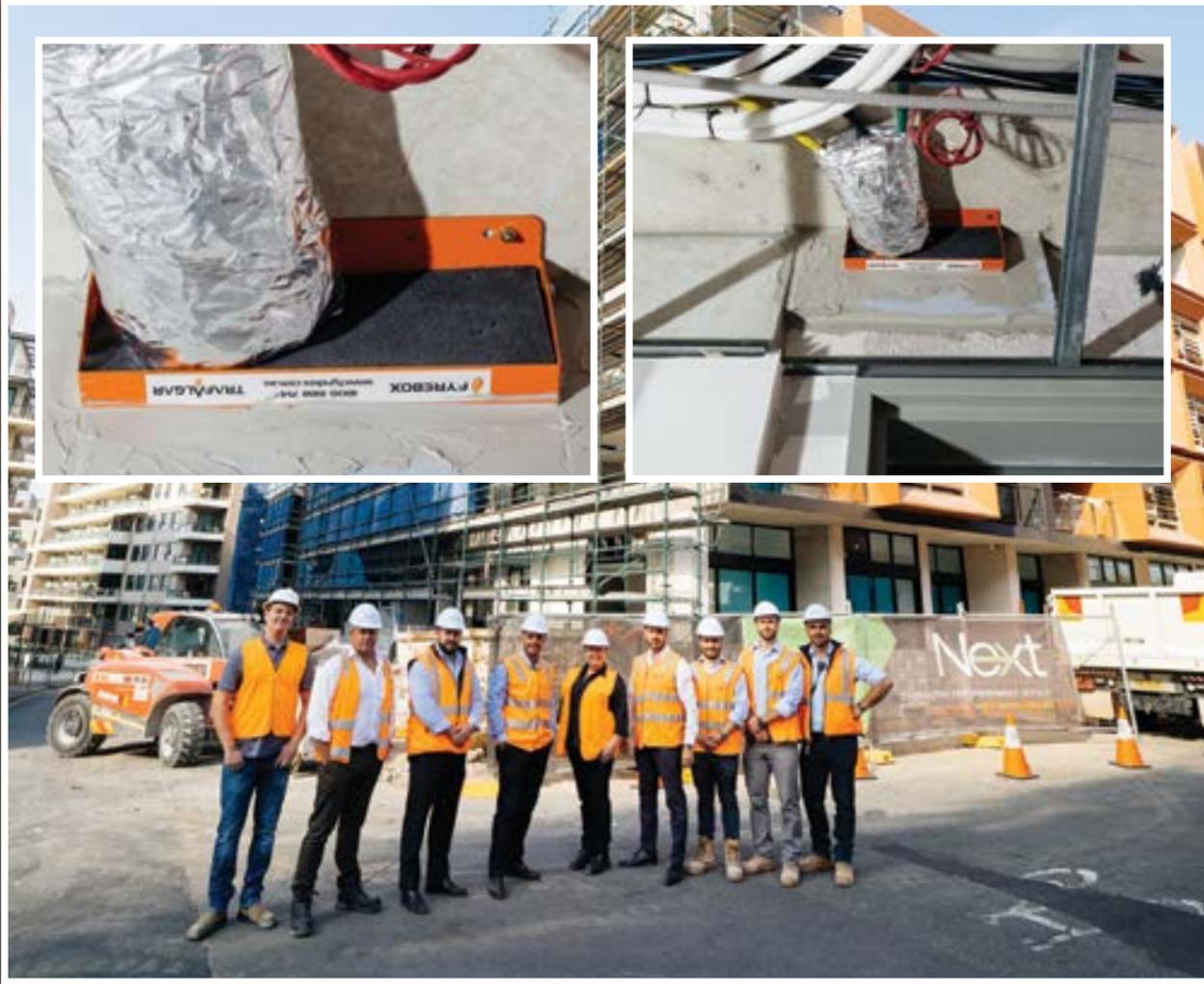
FirstAction's new app, *Activate*, to be launched in Australia in February 2017, is a product of decades of experience from leading emergency response professionals. The company, which also provides warden training, drills, evacuation diagrams and emergency safety products, is set to disrupt the emergency management space with the release of this app.

"We've used our years of experience to create a game changer: introducing the first mobile app specifically designed to help you manage an emergency event in real time. There's nothing like it for emergency response in Australia and potentially the world," says General Manager, Phil Archer.

Activate works for every size organisation in any, helps you meet AS3745 compliance and will cost less than developing a hard copy emergency response plan. Importantly, it's a tool to help people instil confidence to resolving the emergency event and save lives.

"This app is about helping organisations quickly coordinate their team, staff and visitors for a faster and more focused response in an emergency event. Where a warden is responsible for more than one floor within a building, this app allows them to clear the floor with one click, without loudspeakers or telephoning people. It's about efficiency," said Phil.

FirstAction's Compliance Essentials Program has been specifically developed to align to *Activate* the requirements of Australian Standard 3745:2010 Emergency Planning in Facilities. In 2017, FirstAction will prove once again how they can align to all your organisations emergency management needs.



THE REVOLUTIONARY FYREBOX

Trafalgar Fire's new engineered fire stopping system, the Trafalgar Fyrebox, is gaining plenty of attention in the building industry. Featuring a patented two-piece, clip together design, the Fyrebox Slab-Mounted has been developed for high-rise residential apartments. It allows for multiple and mixed services to be run quickly and easily prior to wall construction, and in close vicinity to each other. Proven fire testing has eliminated the need for 200mm separation between adjacent services.

"The Fyrebox system ensures that all services are adequately fire stopped and eliminates the common compliance issues associated with residential fire stopping," explains Leanne Freel, Trafalgar Fire National Sales Manager.

The Fyrebox has been tested in single layer plasterboard, Hebel and other common residential wall systems with all relevant services. The Fyrebox system enables building designers and service consultants to identify the required services location and specify Trafalgar Fyrebox Slab-Mounted, ensuring all services are adequately fire stopped. The Trafalgar Fyrebox range includes Fyrebox Slab-Mounted, Fyrebox Cast-In, Fyrebox Maxi and Fyrebox Mini.

Trafalgar Fire recently assisted Next at the Mirage residential development, Meadowbank with a complex fire stopping issue, where

the Fyrebox Slab-Mounted was installed in Hebel. Joseph Di Girolamo, Next Founder and CEO said, "Next have a responsibility to ensure the highest safety methods are practiced onsite and we are responsive to innovative solutions and products such as Fyrebox. We are now proposing to use this system on several major projects across Sydney."

"Additionally, industry feedback has been extremely positive with many Tier 1 builders now using the Fyrebox Slab-Mounted. It is being specified and used on major projects," said Leanne.

"Momentum is building for this revolutionary product, and the flexibility of the design has received very positive feedback from building surveyors and designers," Leanne says. "The use of Fyrebox allows a completely different approach to who does the fire stopping and why on construction projects. Builders can now plan ahead for services and avoid costly fire stopping mistakes by using Fyrebox. A little bit of forward planning and builders can rest easy knowing that their fire stopping is sound."

For more information contact Trafalgar Fire Containment Solutions, 26A Ferndell Street, South Granville NSW 2142, phone 1800 888 714, email sales@tfire.com.au, website www.tfire.com.au, www.fyrebox.com.au





This not-quite-three-year-old startup has carved quite a niche in the fire industry. Ikon Fire Safety & Maintenance, based in Penrith, in Western Sydney, was the brainchild of Greg McVicar, who has 13 years industry experience.

“I was keen to make my mark in the industry,” said Greg, who employs 17 people in his fire business and another 29 in the other McVicar Group companies covering plumbing, excavation and civil engineering.

“Ikon Fire Safety covers all aspects of the fire protection industry. That’s not only construction-based projects, but also maintenance of existing buildings. We design, construct, fabricate elements, install and maintain systems for wet or dry fires.”

The have expertise in special hazard fire protection systems, which is more on the maintenance side. Ikon Fire Safety has the capacity and specialisation to do Tier 1 residential constructions ranging from a minimum of 100 apartments to up to 400. Their inhouse design team runs the latest computer programs such as in 3D modelling.

A recent unconventional Sydney project they completed, Garden House, comprised a residential unit complex with open-atrium system

walkways with gardens at Waterloo. All units opened to the natural environment and there were bridge walkways between five buildings as well as planter boxes and vertical gardens.

“Trying to get compliance was challenging because there were new elements, such as non-fire rated compartments for firehydrants and involved thinking outside your generic and conventional construction that have to be taken into account. We worked closely with the engineers and architects so our solution was to put the hydrants on the landings,” said Greg.

“We also achieved fire-rated passageways by installing fire sprinklers in the front lobby areas of the units. This is virtually unheard of.”

For more information contact Ikon Fire Safety & Maintenance, Unit 4, 18 Penrith Street, Penrith NSW 2750, phone 02 4731 8594, email servicesw@ikonfire.com.au, website www.ikonfire.com.au

No job is too big or small for our dedicated team



ANZ STADIUM



1 LITTON CLOSE GREYSTANES



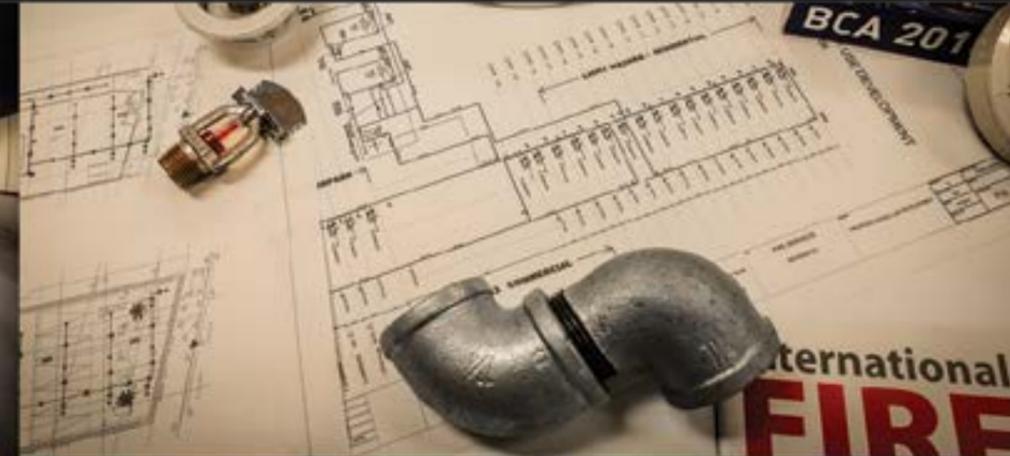
6-16 ATCHISON STREET ST LEONARDS



BRISBANE SQUARE



EASTERN DISTRIBUTOR



INNOVATIVE FIRE SOLUTIONS

Fire engineering assessments / performance solutions

Fire service designs for wet and dry systems

BCA fire safety compliance reports

Annual fire safety statements

Peer review of fire engineering assessments and fire services

Fire safety audit and reporting

Property loss control advice

Expert witness consulting services

Bushfire hazard assessments

Bushfire alternative solutions and designs



“We work with everyone to give you solutions, not problems”

Gary Nenadovich



02 9874 9488
info@gnconsulting.com.au
www.gnconsulting.com.au



ARA Fire is a national provider of fire protection services. ARA Fire specialises in the design, supply, installation, service and maintenance of fire protection systems.

Comprised of Automatic Fire Protection Design (nationally) and Asset Fire Security & Mechanical Services (Queensland), ARA Fire delivers innovative fire solutions to large-scale infrastructure projects and across a range of industries and market sectors including mining and resources, manufacturing, retail, healthcare, food and beverage and commercial buildings.

ARA Fire is located in New South Wales, Queensland, Victoria, South Australia, Western Australia and the ACT.

Fire Protection Services:

- Inspection, testing, maintenance and service support
- Design and installation of fire sprinkler, detection and alarm systems
- Fire suppression systems - gaseous, restaurant and vehicle
- Consultancy, compliance management and certification
- Pressure testing and recharge of portable equipment
- Fire sprinkler fabrication



A major project carried out by the ARA Group Queensland division during 2016, was to install fire protection systems to two high voltage facilities in Northern New South Wales. Included in this protection were fire SPRINKLER/FIRE DETECTION including VESDA Systems and IG 55 GAS SYSTEMS.

www.arafire.com.au



THE RED EXPERIENCE

The combustibility of façades and façade materials has come under the spotlight following high profile building fires in Australia (Melbourne), China and the Middle East.

However, did you know that fire safety professionals have been tackling this problem for thousands of years? After the great fires in Rome, London, Chicago and other cities around the world, authorities have adopted building codes that aim to avoid fire spread via façades.

“Australia already has a strong performance-based building code that addresses this issue,” explains Blair Stratton, RED Fire Engineers’ Victorian Manager. “The Building Code of Australia includes strict ‘Deemed-to-Satisfy’ provisions that restrict the use of both combustible façades and façade attachments.”

“In general for high-rise buildings, walls need to be non-combustible and attachments to walls need to have limited combustibility. What type of attachments can be used depends on the risk to occupants, fire fighters and adjacent buildings,” adds Dr Jonathan Barnett, RED’s Technical Director. “A professional fire engineer will help you understand when combustible or non-combustible cladding is appropriate to use as part of a holistic building fire safety solution.”

RED Fire Engineers is a team of internationally trained, professional fire engineers with a strong track record in providing innovative design solutions to the property industry.

The company are professional problem solvers for developers, builders and designers in the private and public sectors. RED’s aim is to surpass its clients’ expectations in all areas of fire engineering and risk management consulting.

With a highly experienced and diverse team of fire engineers, RED always strives to maintain communication and support throughout the life cycle of every project. It proactively delivers fire engineering designs that carefully identify and respond to program, budgetary and spatial constraints.

“We design projects around Australia and the world from our offices in Melbourne, Sydney and Brisbane,” Blair adds.

For more information contact RED Fire Engineers (Head Office), Suite 306, 22 St Kilda Road, St Kilda VIC 3182, phone 03 9079 4143, website www.redfireengineers.com.au





DESIGN / MAINTAIN / INSTALL

Essential Services | Electrical Contractors | Fire Detection Systems
 Electrical Safety Testing & Auditing | Emergency Warning Systems
 Exit & Emergency Lighting | Automatic Sprinkler Systems
 Security Systems | Hydrant / Hose Reels / Extinguishers / Fire Blankets

service@cvefire.com
 0400 078 194

Passive Fire Certification Please don't leave it until the end

Plus Passive Fire undertake a process that can save builders and developers time and eliminate certification problems that can cause cost overruns, delay the program and handover, but worse still compromise fire containment and life safety.

With sometimes up to 10 sub-trades on-site during construction, gathering the required information and certification from each one, can be a nightmare! As a consequence you can end up with only half of the penetrations registered and identified, no baseline date, or uncertifiable works.

Do it a better way and have ONE advisor, supervisor, and certifier on-site to manage all of the passive fire compliance.

Don't leave it until it's too late – seek our advice before work starts as pre-planning will save you time, money, delays and expensive rework costs.

All repair work and compliance inspections can be quoted, provided or projects managed for existing buildings as well.

We provide service in all states.

For more information, contact us at 1800 PASSIVE or email team@pluspassivefire.com.au.

visit www.pluspassivefire.com.au



- ✓ Provide alternative value engineering and obtain pre-approval
- ✓ A central location for all passive fire advice for the work of ALL sub-trades
- ✓ Ensure ALL penetrations are on a central register, identified, compliant and certified
- ✓ Ensure ALL fire rated walls and ceilings are certified and compliant
- ✓ Get advice to complex solutions from hands-on specialists in the field
- ✓ Ensure there are no issues for the Building Certifier and fire services
- ✓ Get what you paid for, and with a full audit and baseline data at the end
- ✓ Save time, money and expensive rework costs

“Experts in the field”



WORK LIFE SAFETY SYSTEMS

There's minimal downtime for construction sites who hire Work Life Safety Systems (WLSS) to run fire and emergency management training. The Adelaide-based company wheels its purpose-built trailer onsite to the customer to deliver the training in as little as one and a half hours, says Director, Tristan Winen, who has worked in the safety and construction industry for more than 20 years.

WLSS' fire safety training trailer features 20 operational extinguishers, to allow all participants to get 'hands on' fire simulation training, boost their confidence and improve their competence in assessing and handling fire emergencies. Importantly, this innovation brings training onsite in familiar surroundings. This results in cost-effective training as there is no lost time for clients in travel time. Our clients have regularly complimented us on our well-built and professionally stocked trailer. It is a clean solution to fire training. We do not bring oil and other flammable materials to site that may result in a mess. Our flammables burn cleanly and the LPG used in the simulation, and CO₂ extinguishers leave no residue, as preferred by the EPA.

Known as Adelaide's 'go to' for work health and safety (WHS/OHS), and fire experts, the company employs four people and proudly services a much-needed area. WLSS can assist businesses to develop

work health and safety management systems, safe work practices, undertake audits and risk assessments, WHS education training and induction, testing and tagging of electrical items and fire equipment, develop site-specific emergency plans, provide onsite safety support and provide licensed incident and accident investigation.

WLSS has experience developing temporary solutions for construction sites, such as air horns for raising the alarm in the event of an emergency, where the fire alarms have yet to be installed. The way we develop emergency solutions for construction sites, they can then, where possible, be used in a permanent capacity at the completion of construction," he said.

WLSS offer a one-stop coordinated, comprehensive service that can deliver a business' complete safety requirements without engaging other providers. A total solution! WLSS provides tailor-made safety solutions for any size business, from sole traders through to large corporations, with systems to suit you, that are streamlined and simple to use."

For more information contact Work Life Safety Systems Pty Ltd, phone 08 8322 2279, email info@wlss.com.au, website www.wlss.com.au



Commercial and Storage | Dry Pendent ELO Sprinklers

Viking's Standard Response and Quick Response Dry Pendent ELO Sprinklers are the first of their kind as the only FM Approved ELO dry barrel models. With a nominal K-factor of 11.2 (161), the new sprinklers can reduce the overall water demand required in many cold storage sprinkler systems, particularly where ceiling heights are 35 ft. (10,5 m) and below. By reducing water supply requirements, Viking's new dry ELO sprinklers can help lower system costs by possibly eliminating the need for a fire pump and reducing the size of system piping and related components. Plain barrel, standard adjustable, and recessed adjustable models are all available in both standard and quick response options.

- The only FM Approved ELO dry barrel pendent sprinkler.
- Ideal for a wide variety of low temperature commercial and cold storage applications subject to temperatures below 40° F.
- 1 1/4" barrel and thread size – requires 1 1/4" tee.
- Lengths in 6" increments from 12" to 48" (305 to 1,219 mm) for plain barrel, standard adjustable, and recessed adjustable models.
- Available in ordinary, intermediate, and high temperature ratings; 165° F (74° C), 205° F (96° C), and 280° F (138° C).

Contact your local Viking SupplyNet team to place an order today!

The Viking Corporation
95-99 Hardy's Road, Underdale SA 5032 Australia

Telephone: (+61) 8 8352 2888
Facsimile: (+61) 8 8352 2755
www.vikinggroupinc.com

Trusted above all.™

Approvals: Factory Mutual
K-factor: 11.2 (161)
Connection: 1-1/4" NPT
(requires 1-1/4" tee)
32 mm BSP
Temperature: 165°F (74°C)
205°F (96°C)
280°F (138°C)
Operating Element: Fusible Link
Finish: Brass, Chrome, White
Item Price Group: V19.5
Occupancy/Hazard: Storage/Non-Storage
Technical Datasheet: F_040815
Wrench: 19748

Scan to view
technical data



General reference only. Prior to the design, layout, and/or installation of any sprinkler system, please refer to Viking's technical documentation and consult with the AHJ.



Reliable
TECHNOLOGY • QUALITY • SERVICE

NEW
**LONGER
THROW
LESS
WATER.**



NEW PENDENT LONGER THROW SPECIAL APPLICATION SPRINKLER

Launching the NEW LT56 special response sprinkler for light hazard occupancies, specifically manufactured to protect hallways and corridors. The LT56 covers up to 8.5m x 3m spacing. Utilising a quick response glass bulb or the quick response fusible link. Available with the model FV, FP escutcheon or CCP cover plate. The LT56 is also available Teflon Coated finish for corrosion resistance.

Product Details:

- Max Coverage: 8.5m x 3m-
- Pressure: 250PSI (1720Kpa), 300PSI (2060Kpa)-
- Temperature Link: 74oC, 100oC-
- Temperature Bulb: 68oC, 93oC-
- K-Factor: 5.6 (80)-
- Spacing: 8.5m MAX.-

Why the LT56?

The LT56 water demand is lower than the average extended coverage with 87 l/min (LT56) & 91 l/min (LT56C) for 8.5m x 2.4m spacing or 106 l/min for 8.5m x 3.0m spacing (LT56 & LT56C). Available as pendent, recessed pendent, conical concealed and now fully concealed (LT56C).

NOW ALSO AVAILABLE IN CONCEALED STYLE

