

Product Catalogue



هبة HEBA

شركة هبة لمعدات السلامة و الحريق المحدودة
HEBA FIRE & SAFETY EQUIP. CO. LTD



Fire Fighting Equipment

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Heba Fire & Safety Company Ltd. Is firmly established as a market leader amongst companies specializing in the supply and installation of fire and safety equipment and security systems in Saudi Arabia.

In collaboration with our worldwide suppliers Heba offers a diverse range of high-tech equipment and systems.

The professional service provided by our team of experienced engineers and technicians results in a high level of customer satisfaction and at Heba we are proud of the trust and confidence invested in us by our clients.

For the future Heba will continue to strengthen ties with our international suppliers and offer the very latest technology in the field of fire and safety.

Management

Vision

To be the regional leader in the industrial Fire, Safety & Security.

Mission

To provide complete solutions in, fire prevention and protection, safety and security to all industry sectors, committed to the latest technology and high quality products & services, utilizing team of experts covering Saudi Arabia, GCC, Middle East and Asia.

Core Values

We believe in:

1. Adopting the latest technologies & standards.
2. High quality products & services.
3. Customer satisfaction.
4. Employee welfare.
5. Team work





Dräger

FIRE FIGHTING EQUIPMENT

PSS Merlin™ The PSS® Merlin™ is a fully automatic, electronic Entry Control System integrated with The PSS® 7000 - Breathing apparatus of newest generation, The PSS Merlin incorporates control board, the Dräger AirBoss Sentinel and a portable radio unit. The system allows the exact status of up to 12 team members to be monitored simultaneously from outside the incident. The system provides 3 key features:

1. Continuous transmission of pressure, time to whistle and temperature.
2. ADSU (PASS) alarm signal and manual distress signal, differentiated by different lamps on the control board.
3. Group and individual evacuation commands, supported by a voluntary withdrawal facility.)



PSS® BG 4 is the innovative next step of the well established closed-circuit breathing apparatus BG 4. It provides breathing air for up to four hours and is ideal for long duration operations because the wearer is independent of the surrounding air which could be contaminated or have low oxygen.



Dräger FPS-COM Communications system: The Dräger FPS-COM is the first fully integrated mask communication system and has been especially developed for the professional use in all applications within fire and emergency services.



Dräger FRT 1000: With the new Dräger fire-fighter-location device fire-fighters can locate their trapped, missing or disoriented colleagues – or to find their own way back to the colleagues in a situation of disorientation in deteriorating conditions.



The Dräger ETR 1000 (Egress Transmitter) is an instrument which can be used in conjunction with the Dräger FRT 1000. It allows for self rescue of disoriented firefighters and safe return to a fixed exit.





DQE®

Ready now for what's next.™

The industry's leading stand-alone decontamination system.



The Standard Decontamination System includes the shower, collection pool, and elevation grids. It is the industry's leading stand-alone solution, offering quick set-up, victim privacy, thorough decontamination and easy clean up. This shower can be configured to accommodate fully, semi, and even non-ambulatory victims. The shower assembles quickly with unique quick-connects, has a fully collapsible design, stores and transports in two vinyl carry bags, and has a privacy enclosure with translucent roof for privacy and safety.

DQE's virtually indestructible decon shower designed for responder decon in rugged field conditions.

The Indestructo is a highly break resistant portable decon shower that is constructed of durable ABS pipes and fittings, and specially designed shower heads. The shower is fully collapsible, and assembles with unique quick-connects for fast assembly. Two wind screens help to reduce overspray and maintain the shower's effectiveness.





Thermoplastic or Fiberglass outer shells provide greater impact and penetration resistance than fiberglass and are more reliable with repeated heat exposures. Thermoplastic helmets also have excellent durability, standing up to daily wear and tear, Fiberglass outer shells are more resistant to chemical attack and more stable at extreme temperatures.



The AX helmet is a specialized series of fire helmets and components designed to meet the needs of Air, Rescue, Firefighting (ARFF). meets and exceeds the performance specifications of NFPA (1971 - 2007) as certified by the Safety Equipment Institute.



The new T4 Thermal Imager from Bullard offers the latest technology to the fire service in a small, lightweight and compact package. T4 integrates an ultra-high resolution infrared engine, 4.3" widescreen display, digital zoom, Super Red Hot™ colorization and Electronic Thermal Throttle™ for maximum performance, Ultra-High resolution 320 x 240,... wide range of accessories like Mobile Link, Vehicle Charging Kit,...



USRX Series

USRX thermoplastic rescue helmets are engineered Bullard Tough for extreme search and rescue conditions. Featuring a streamlined design low center of gravity and increased headroom for more comfort, USRX rescue helmets incorporate recommendations from USAR teams and other rescue professionals.





Kappler®

Zytron 500 is KAPPLER top of the class—and the classic responder choice. It's tough, built for mobility, and based on patented technology that created the first material to survive eight full hours against the ASTM F1001 Test Battery with no breakthrough. With that kind of Kappler heritage built into the fabric, it's no wonder that responders around the world trust Z500 garments for ultra-demanding Level A and Level B applications. Available in coveralls and a range of total encapsulating suits. Colors are Orange and Charcoal Gray. Models available meet NFPA 1994-Class 2 – with Expanded Back, Double Sealed Seams, FEP Face Shield Overlay, Barrier Glove Liners.



Kappler's Pressure Test Kit was custom-designed for testing gas-tight suits. With ergonomically friendly controls and easy-to-read gauges, you never have to guess whether your Level A garments are good to go.



Snap-Tite Hose has led the domestic lay-flat hose industry since the early 1970's. Their large inventory of municipal fire hose and industrial layflat hoses are a product of three well-known brand names; Snap-tite: rubber and polyurethane hose, National Fire Hose: single and double jacket hose, and Ponn Fire Hose: single and double jacket hose. Snap-tite manufactures a hose for every application ranging from 1 inch to 8 inch diameters, using a variety of jackets and liners.



Southcombe Brothers Ltd
specialist glove suppliers since 1847

Southcombe Brothers pioneered the development of PYROHIDE®; a unique fire, water and chemical resistant leather which is exclusively used for our range of gloves and widely regarded as the leading product in the performance leather market. Our success isn't just down to leather; we also manufacture seamless knitted linings to the highest level of slash resistance currently recognized in Europe & USA. Southcombe gloves are compliant with NFPA 1971 current edition & EN 659 standards.



Southcombe own ISO 9001 quality-assured tannery and production facilities. Southcombe Brothers are in a prime position to further develop the bounds of leather and glove manufacturing.



Sperian Protective Apparel is a leader in innovative protective garments and fabrics. Operating out of three production facilities: Franklin, PA, USA, Montreal, Canada and Dorno Italy, we produce fire protective clothing for the world.

Our in-house lab is fully equipped to test according to global performance standards. And further to this, our products are 3rd party certified to meet NFPA or EN standards. Our Product Commercialization Process and ISO certified quality systems form the framework for providing products that consistently exceed customer expectations.



Action Maximized Mobility

ULTRAMOTION is ergonomically engineered to meet the rigors of today's firefighting professional. More complex fires and increased multidisciplinary tasks require protective clothing that adapts by offering full range of motion to all the areas of the body. It is not only a question of comfort, but one of saving precious seconds in the life and death situations that are part of the everyday world for firefighters.



Optimal Value in Action

VE Gear was developed to deliver value-engineered turnout gear fully certified to NFPA standards, at a price that meets the needs of more budget-restrained departments. It offers two closure styles, both fully equipped with the necessary options to ensure safe and functional performance. With VE Gear, you know you are getting tough, reliable gear that will not compromise protection.





TFT[®]
TASK FORCE TIPS
FIRE FIGHTING EQUIPMENT

The **CROSSFIRE monitor** is the most versatile master stream appliance ever offered to the fire service. Its lightweight, compact design and unique quick-release swivel joint allow for a faster and safer stream deployment in the portable attack mode. The Safe-Tak 1250 safety feature reduces the risk of injury from an out-of-control appliance.



The **Task Force Tips' Protector** is a simple and rugged fixed station monitor with many unique features. Its patented waterway gives low friction loss and delivers water to the nozzle with fewer twists and turns than a conventional monitor.

The wide flow range of 70200- gpm (260760- l/min) allows the **Mid-Force** to be used on 1.5" (38mm), 1.75" (45mm) and 2" (52mm) hose. The TFT Mid-Force is a truly rugged, dependable, and effective mid-range firefighting nozzle.



QUADRAFOG nozzle with pistol grip with four flow settings of 30, 60, 95, and 125 gpm @ 100 psi (110470-360-230- l/min @ 7bar).



TFT[®]
TASK FORCE TIPS
FIRE FIGHTING EQUIPMENT



BLITZFIRE OSCILLATING MONITOR

Flow range up to 500 gpm (2000 l/min). The oscillating mechanism can be disengaged and horizontal rotation moved manually. The SAFETY SHUT-OFF VALVE legs are folded, the carbide tips point up for carrying safety. Standard inlet is 2.5" NH swivel rocker lug coupling.

In line Foam Eductors have a metering head with easy-read knob for use with Class A foam and with AR-AFFF foam. Extra large 36" pickup hose and stainless steel wand are ideal for use with high viscosity foams.



The new TFT series have been completely re-designed and now has TFT rugged innovation built in.

- 25% Less Weight.
- Folding Color Coded Handles.
- High Flow 500gpm Waterway on Each Side.
- All Sizes of Threaded & Storz Inlets - Ideal for Hydrants & Pumper Inlets.



As the new market leader in the production of standard and custom length lightweight suction hose, TFT has taken it one step further. Now offered at no additional charge is TFT's unique and exclusive folding handle option for our lightweight NO LEAK suction hose.





A UTC Fire & Security Company



Badger Fire Protection offers an extensive portfolio of fire extinguishers to ensure that we offer the right extinguisher for your application...

Typical applications... fuel loading racks, heavy construction sites, dip tanks, oil pumping stations, mining equipment, paint lockers, trucks and buses, fuel storage rooms, production lines, and others.



Haix, As an innovative high-tech profession shoe manufacturer, meets the most exacting demands worldwide in terms of functionality, quality and design.



NFPA 1971 Compliant Leather Fire Fighting Structural Boots, incorporates, waterproof leather, hydrophobic, breathable, with CROSSTECH® Moisture Barrier, footwear waterproof, breathable, bacteria and chemical resistant, bloodborne pathogen resistant Inner Lining

This Footwear meets the Emergency Medical Footwear requirements of NFPA 1999, Standard on protective clothing for Emergency Medical Operations, 2003 Edition UL® CLASSIFIED, Classified by Underwriter's Laboratories, Inc. in accordance with the National Fire Protection Association 1999 Standard on Protective Clothing for Emergency Medical Operations NFPA 1999.



FIRE FIGHTING
EQUIPMENT

National Foam, part of the Kidde Fire Fighting organization, is a manufacturer of Foam Concentrate, Foam Proportioning Systems, Fixed and Portable Foam Fire Fighting Equipment, Monitors, Nozzles, and Specialized Big Flow Pumping Solutions. National Foam has historically been at the forefront of foam fire fighting and fire control technology and is the acknowledged world leader in providing foam based solutions.

BIG FLOW SYSTEMS

National Foam, Angus Flexible Pipelines, and Kidde Fire Fighting offer innovative, integrated solutions to these large capacity firefighting and water transfer needs. Incorporating a wide range of equipment designed and built by Kidde, Big Flow Systems provide optimal solutions to the unique requirements of a diverse range of catastrophic events.

Big Flow Systems include an impressive array of equipment developed specifically to address large capacity emergency water needs.

• Mobile Pumping Systems

Dominator trailer-mounted, engine-driven pumps and modular Neptune positive pressure high lift pumps. Flows to 6,000 gpm at pressures to 150 psi. The pump and engine are mounted on a box frame base, which also serves as a 300 gallon fuel tank. The stainless steel suction manifold is well outfitted with (6) 6" NH connections. The stainless steel discharge manifold is extremely capable for water distribution with (5) 5" Storz connections, (1) 10" Vic connection, and (1) 2 1/2" NH valved discharge. The unit is equipped with an operator's panel for engine controls and manifold pressure gauges. The pump's electrical system is 12 VDC with two heavy-duty batteries.

The priming system consists of two 12 VDC electric primers. The pump skid is mounted on a custom designed 14,000 GVW trailer from which it can be utilized or easily removed for non-mobile or permanent applications. The standard unit is complimented with an overhead frame for lifting and hard suction hose troughs.



FIRE FIGHTING
EQUIPMENT

• **Delivery Devices** - Iron Man non self-educing and Terminator self-educing mobile foam delivery devices, flows to 10,000 gpm. The device offers outstanding performance. Ironman proves its versatility and superiority with excellent foam stream quality, ranges in excess of 450 ft., 340° of free rotation and a +15° to 90° range of elevation. Iron Man utilizes a specially engineered non self-educing nozzle that offers a foam expansion ratio of 6.6:1 creating an efficient foam stream better suited for penetrating thermal updrafts encountered during large scale fires. The nozzle delivers 10,000 GPM at a nominal pressure of 115 PSI. The stainless steel monitor, fed by a single 12" Victaulic or Storz hose connection, is mounted on a custom built trailer which when filled with water, acts as the unit stabilizer during operation. Iron Man is supplied with a 'pony tail' 25 ft. length of 12" Super Aquaduct hose as standard with a 12" inlet manifold that may be configured to (6) 6" or 5" Storz connections, offering immense flexibility in water supply.



• **Extra Large Diameter Hose (XLDH)** - Super Aquaduct 8", 10", and 12", NSF 61, portable water layflat hose. Super Aquaduct is a specialized polyurethane hose which is extruded through-the-weave cover and lining and is reinforced with circular woven high tenacity polyester. Available in continuous lengths up to 660 ft. and is NSF 61 certified for potable water service. Designed for a wide variety of above ground high flow potable or fire water contingencies. Available in blue or orange.



• **Hose Deployment, Retrieval, and Storage Equipment** - Hose reel trucks and trailers, flaking boxes.
• **Hose Manifolds and Hardware**

**NEPTUNE PUMPING SYSTEM**

The National Foam Neptune Pumping System is an integrated, modular, mobile, pumping system capable of pumping 5,000 GPM at 150 PSI. Neptune employs two (2) portable, floating, 2,500 GPM, satellite pumps (255 lbs. each) that supply water to a main pump from distances of up to 150 ft. with a vertical lift of 50 ft. Provides tremendously improved access to more water sources when compared to standard suction lift pumps.

While Neptune was designed to function seamlessly as a unit, the main pump and the satellite pumps, driven by separate engines, can be operated independently allowing Neptune to operate in a number of different scenarios. For instance the satellite pumps could supply water to other devices or apparatus other than Neptune, and/or the main pump could operate independently as a booster or relay station.

**SPECIALITY FOAMS FOR CLASS "A & B" FIRES**

- Fluoroprotein XL3 for dry chemical compatibility and sub-surface base injection in fuel storage tanks
- Aqueous Film Forming Foam AFFF for rapid knockdown and efficiency for spill fires
- Alcohol Resistant AR-AFFF for multiple hazard protection.
- Class "A" Foam for structural fire attack
- Training Foam.
- Other types of foams are also available





FIRE FIGHTING EQUIPMENT

INDUSTRIAL FOAM SYSTEMS

- Storage Tank Protection
- Truck Loading Rack Protection
- Marine Dock Protection
- Tank Vessel Protection
- Aircraft Hanger & Helipad Protection
- Warehouse Protection.

FOAM PROPORTIONING SYSTEMS

- Bladder Tanks Vertical / Horizontal
- Balanced Pressure Proportioning Skids
- In-Line Balanced Pressure Proportioning Skids
- Other Proportioning systems are also available.

SERVO COMMAND FOAM PROPORTIONING MODULES

Servo Command Foam Proportioning Modules are available from National Foam and your preferred Fire Truck Manufacturer. By specifying Servo Command, National Foam will provide the industry standard "On-Demand" foam system and pump module built, tested and certified for the most reliable and accurate foam proportioning. This module's construction and reliability are based on decades of experience and proven performance in the most challenging environments. With over one thousand units in the world, National Foam is clearly the market leader.

Servo Command™ eliminates problems associated with other systems in areas of Training, Maintenance and Reliability.

Features and Benefits

- On-demand foam proportioning - water or foam at every discharge
- Unmatched foam proportioning accuracy
- Designed for the most extreme environmental conditions
- All Hydraulic – no fragile or sensitive components
- Pump ratings from 1000 to 3000 GPM from draft. Higher from pressurized water sources.
- Side & Top Control Modules
- No recirculation of foam liquid concentrate
- No flushing required
- Ease of field calibration and low maintenance
- No need for PTO Drive
- Minimal training required
- Follows NFPA 11 and 1901 guidelines
- Foam Tank and auxiliary foam pick up connection standard
- 25 years of proven reliability

Features and Benefits

- On Site Fire Trucks Preventive Maintenance & Repair Services
- Annual Water Pump Re-certification Tests
- Fire Trucks Upgrade & Refurbishment.
- Inspection & Testing Services
- Fire Trucks Operation & Training Services
- Foam Systems inspection & testing
- Foam Concentrates sample Lab & Fire Tests.



FIRE FIGHTING EQUIPMENT

KME are global leaders in manufacturing and supply of customized specialty Fire Trucks. Markets currently served include petrochemical, fire and rescue, military and energy.

For over six decades, KME had garnered a reputation of quality and reliable delivery. KME manufactures its own custom chassis, as well as distributes a wide variety of commercial chassis. KME is also a true sole source body builder that designs and manufactures a full range of bodies and related equipment. Operating as a privately held company since 1946, the organization of over 800 employees puts the customer - and their needs – first. This customer focused philosophy is why KME have a reputation for delivering unprecedented value, custom options, dependable safety and stand-out customer service.

KME's extensive line of fire apparatus:

Tankers

T-Tanker, Elliptical and Wetside

KME tankers are available in t-style, wetside, or elliptical. Tanks are manufactured in stainless steel or polypropylene and volumes range from 5,500 liters to over 15,000 liters. KME offers units with or without a wide range of PTO or midship pumps.





FIRE FIGHTING EQUIPMENT

Aerials

Ladders and Platforms

Expertly engineered, KME aerials combine ease of operation with exceptional strength and maneuverability. The only aerial manufacturer to perform Proof Load Testing (to test weld integrity), KME aerials are stable, solid and outperform the competition. Ladder lengths range from 16 meters to 36 meters.



Pumpers

Wildland, Rescue, Custom, Commercial and Rear Mount

Choose from a full line of KME pumper body styles, each of which can be integrated into either a KME custom or commercial chassis. With a custom body, there are endless compartmentation options not to mention a wide range of pump and foam system options.



Rescues

Light, Medium and Heavy Duty; Combination

Rescues for every function with walk-in, walk-around and combination bodies constructed from aluminum or stainless steel. Expert design allows for unparalleled customization.





3M™ Protective Coveralls

3M a world leader in Personal Protective Equipment, now offers a range of protective coveralls to complete its range of Respiratory, Hearing, Head and Eye protection products and provide broader safety solutions to its customers, 3M have a select range of high quality stylish Protective Coveralls offering breathable comfort and protection you can rely on. With the high level construction quality, the range gives peace of mind for effective use and protection against many industrial hazards.



3M™ Head Protection

Designed with your safety in mind. We understand the needs of your demanding workplace and the requirements to satisfy your workers. Because of our dedication to quality, you can rely on our products.



3M™ Eye Protection

Our aim is to make your eyewear selection easier by offering a selected range of high quality, stylish and comfortable products that are suitable for a variety of hazards and are designed to be worn in conjunction with Respiratory and Hearing Protective Equipment, available in different colors to protect you in any environment, adjustable temple length, soft nose bridge, round wrap lens for maximum protection.





3M™ Air Monitors

Simple and effective devices that collect certain airborne contaminants using the scientific principle of diffusion. They meet or exceed $\pm 25\%$ accuracy at a 95% confidence level for many workplace contaminants (Organic Vapors, Ethylene Oxide or Formaldehyde).



3M™ Sorbents

Selections of 3 types of sorbents depend on the application (Chemical, Petroleum, and maintenance), designed to be easily identifiable by color coding. Different shapes to be used in different places in workplace.



3M™ Hearing Protection

3M offers high-quality hearing protection products that are lightweight, comfortable, and easy to use for worker protection in a wide variety of industrial applications. 3M provides reliable solutions for hearing conversation, from a company you can trust.





3M™ Respiratory Protection

Safety and hygiene professionals need products that enhance and improve their respiratory protection programs, while wearers want comfort and performance.

3M™ Elastomeric Facepiece Respirators, Filters & Cartridges

Safety and hygiene professionals need products that enhance and improve their respiratory protection programs, while wearers want comfort and performance.

3M offers the best of both worlds with the most complete line of Elastomeric Facepiece Respirators. 3M provides a complete line of half and full facepiece respirators.

3M Facepiece Respirators is low maintenance and allow the use of replaceable cartridges and filters. Are made of silicone rubber for increased durability and can accommodate many different cartridges and filters.



3M™ Maintenance-Free Particulate Respirators

3M has been a pioneer in the maintenance free particulate respirator product category. For over 25 years our Occupational Health and Environmental Safety group has developed.



3M™ Powered & Supplied Air Purifying Respirators

A variety of Powered air and Supplied air systems for a wide range of industrial applications. These PAPRs are motorized systems that use a filter to clean ambient air before it is delivered to the breathing zone of the user.





detectortesters

testing technology from No Climb

CHEKKIT® SMOKE is an advanced, non flammable, hand-held detector tester - using a formula which is proven to activate and clear detectors in the fastest time possible.



A quick one second spray from floor level in the direction of the detector is all that is required for a safe, reliable and economical testing solution.



Solo 823 is the ultimate kit, offering everything needed for removing, replacing and testing of smoke and heat detectors up to 9 metres.



The Solo 823 includes:

- Fibreglass four section telescopic pole (4.5 metres)
- Fibreglass extension pole (1.13 metres)
- Universal detector removal tool
- Aerosol smoke dispenser
- Cordless heat detector tester
- Protective carrying bag

Trutest Sensitivity Testing

To help guarantee the performance of smoke detectors and reduce the number of false alarms from over-sensitive detectors, sensitivity should be measured in the field / on site. This statement applies equally to conventional and analogue systems.

Regular sensitivity testing is obligatory under certain codes and standards. "NFPA 72, 2002 - Table 10.4.2.2 - 13.g.1"

Trutest, introduces a smoke test aerosol to the detector while the detector is still connected to the alarm system, utilizing smoke obscuration sensing to measure and feedback information to a controlling microprocessor. It is the ultimate field tool and the only such device to provide a full, measured, 3rd party test using, measured simulated / surrogate smoke.



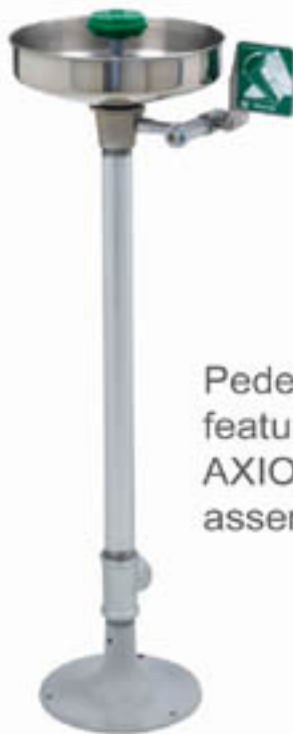
PERSONAL
SAFETY



PERSONAL SAFETY

HAWS offers an extensive line of emergency drench showers, eyewashes, eye-face washes, combination units, portable models, hose & spray units, featuring high visibility, green color component.

All HAWS product are Certified by CSA to meet the ANSI Z358.1 Standard for Emergency Eyewash and Shower Equipment.



Wall mounted eye and face wash features the medically acclaimed AXION MSR™ eye/face wash head assembly.



Pedestal mounted eye and face wash features the medically acclaimed AXION MSR™ eye/face wash head assembly.

Haws portable Model 7500 is ideal for remote locations. Using gravity to supply a continuous flow of clean water to injured personnel for a full 15 minutes at .4gpm,



AXION MSR™ eyewash head is antimicrobially treated using the natural protection of silver which helps protect against the growth of mold and mildew on the treated components.

Combination Eye & Shower units combines the use of an ABS showerhead and anti-surge Soft-Flo eyewash heads for the irrigation process. Emergency combination unit is equipped with an in-line 50 x 50 mesh water strainer and pop-off dust covers



**PELICAN™**
You break it, we replace it... forever.

Recoil Technology will always be the state the art in LEDs.

LEDs that point forward lose most available light to the periphery. Recoil focuses the light like a column, so it projects light better than any other LED.



A safety-approved light is sealed, so no flammable vapors or gasses can enter the body of the light.



The special material in the lens ring maintains a charge from exposure to ambient light from almost any source. The resulting green glow shines like a beacon even after the light is switched off. So firefighters and other safety professionals, who work in low-light environments, can easily find their lost flashlight in a dark or smoky environment.



For more than 30 years Pelican has built a reputation for manufacturing the toughest Protector™ Cases in the world.

They are available small and specifically built to protect your ipod, Medium for laptops, and large enough to protect expensive and sensitive audio/visual equipment. Pelican Cases all come with a standard lifetime warranty and are guaranteed to provide a lifetime of waterproof, shockproof and dust proof protection.

PERSONAL
SAFETY



MILLER

by SPERIAN

As the industry leader for more than five decades, Sperian Protection provides a comprehensive line of Miller® brand fall protection products and related services.



Miller Falcon™ Self-Retracting

Lifelines are designed to be the lightest, most rugged line of composite cable retractable on the market



Miller Revolution™ Harness engineered with seven unique components and more than 11 key product features



Miller Backbiter® Tie-Back Lanyard with a Miller 5K® Snap Hook provides an all-in-one anchorage connector and shock-absorbing lanyard



Duraflex Python Ultra Harnesses

Easy-to-wear, the Miller Ultra harnesses provide greater comfort and increased mobility, while improving safety and reducing worker fatigue.

Miller Rope Grabs

Miller rope grabs move easily up and down vertical lifelines to provide continuous fall protection.



Relief Step Safety Device

- OSHA states that potentially fatal suspension trauma can occur within minutes while waiting for rescue after a fall
- Average fall rescue time is 15 minutes





Dräger

Dräger Safety's range of **Portable Gas detection monitors** offers a complete solution for the measurement of airborne hazardous substance. Used in various industries, our products can be adapted to meet virtually all application needs.

Dräger-Tubes are the best example for a short-term gas measurement system because for over six decades, dräger, the leading tube manufacturer, has perfected its "laboratory behind glass"; and the more than 100 million tubes sold in the last 10 years are testimony to the satisfaction of Dräger customers.



Aerotest Systems can be used to analyse pressure gases.



The Dräger Chip Measurement System (CMS)

is one of the most accurate and reliable portable detection systems currently available for measuring spot concentrations. It combines an electronic based analyzer with substance specific chips.

Dräger's line of single-gas measurement products keep you aware of one specific gas's concentration consistently and reliably. The versatility of these products allow you to configure the product to meet your application needs.



The need to continuously and simultaneously measure the concentration of several gases arises frequently in industrial and community applications. For these kinds of measurements, Dräger offers a complete product line to provide our customers with custom solutions.



PERSONAL
SAFETY



JSP helmets have been designed to exceed the requirements of EN397, the industrial helmet standard. Not only will they offer protection at the defined test sites, but over a much larger area of the head, giving unrivalled levels of performance plus 'all round protection'



All JSP's range of eye and face protection meets the requirements of EN166, the European Standard for Industrial Eye Protection. Many users will be aware that this standard sets requirements for impact performance, but it also covers the optical performance of the safety eyewear as well liquid, dust and molten metal protection.



ForceFlex Spectacle Range



The new Classic® ear defenders have been stylishly designed with comfort in mind for those requiring hearing protection for extended periods. Conforms to EN 352-1.

The new HardCap A1+® is another major innovation from JSP in head protection design. Designed to exceed the most recent standards, years of thought and design iterations have been undertaken to develop a product that is unrivalled in both performance and style.



JSP were at the forefront of developing road cones and barriers for the construction market place in the 1970's, and over the last three decades JSP have gathered together the most complete manufacturing process of any European Manufacturer.





FIRE ALARM SYSTEM

Control Unit

Fire Alarm System equipment is available in various configurations to meet the customer requirement. The equipment covers a wide range of products.

Context Plus is a range of product that meets the requirement of a simple fire alarm system to a medium size addressable system. Panels are available from as small as 2 zone conventional panel to the a large size panel of 32 zones. To complement these panels various field devices are available.

Context Plus



Also addressable panels are available with a single loop to 4 loops. Each loop can communicate with 128 field devices. Various addressable field devices compatible with these panels are available, like Photoelectric Smoke Detectors, Heat Detectors, Multi-sensor Detectors, Manual Call Points, Sounders, Beacons to name a few.



This equipment meets the requirements as per the latest BS and EN requirements. Detailed product literature is available on request.



NOTIFIER[®] by Honeywell

For large complex systems covering multiple panels networked using wire or fiber optic cables, Notifier by Honeywell provides a solution that is flexible and meets the demanding requirement of any Industrial / Commercial applications, using equipment list Onyx Series panels from single loop NFS-320 to two loop NFS2-640 and a larger 10 loop panel NFS3-3030. Such a system could include color graphics display based on Industrial grade computers and touch screen displays provided by OnyxWorks Work Stations and OnyxFirstVision. All of this equipment meets the latest UL 9th Edition requirements and are UL Listed along with other listing and Approvals. This control equipment is complemented with a large array of field devices from simple smoke detectors to the special sensors like Harsh, VIEW, Acclimate sensors, along with input / output modules and transponder modules. Detailed catalogs are available on request.





SPRINKLER SYSTEMS

When it comes water based automatic fire protection system, wet sprinkler systems lead the list in the most effective and popular systems. Though these are very simple are effective when designed and installed as per the requirements of the latest standards.

WET PIPE

Typical applications of wet pipe sprinkler system would include offices, warehouses, factories, hospitals, stores, shopping centers and residential settings such as apartment and condominium complexes. The system consists of Alarm Check Valve, control valve which is normally an outside screw and yolk gate valve and piping network with the automatic sprinklers.

DRY PIPE

Typical applications for dry pipe sprinkler systems include unheated warehouse, cold storage's, attic spaces, loading docks and other areas exposed to freezing temperatures.



SPRINKLERS

There are two types of sprinklers - bulb type and solder type. Quartzoid bulb type sprinklers are available in a variety of attractive finishes that blend well with their surroundings. When In stand-by service, a small bubble in the fluid contained in the bulb compensates for normal temperature changes. When heated, the fluid in the bulb expands and shatters the bulb which allows water to be discharge. Solder type sprinklers employ a bell-shaped copper link whose two sections are joined by solders with a predetermined temperature rating. Heat absorbed by the link is conducted directly to the solder joint. When the solder melts, the link springs apart, releasing water that strikes the deflector.

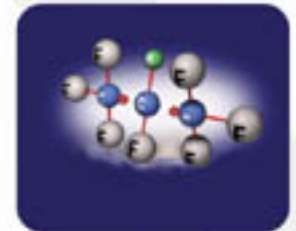


**CHEMETRON**
Fire Systems™

A UTC Fire & Security Company

FM-200® System

Out of the many Halon 1301 replacements FM-200 and NOVEC-1230 are the most popular agents of choice when it comes to Clean Agent Fire Fighting Systems. These agents are effective for use in both occupied and unoccupied spaces and these agents do not cause any damage to delicate electronic equipment. Leave no residue and thus do not require any clean up operation before putting the facility back into service.



FM-200 (HFC-227ea) which is heptafluoropropane, extinguishes fire by interrupting the spontaneous reaction of fire. It also has an endothermal effect which cools the fire. As the oxygen is not substantially reduced, and can support life, this agent can be used typically in plant control room, computer rooms and hazards where presence of personnel is essential for controlling functions.

NOVEC-1230 (1, 1, 1, 2, 2, 4, 5, 5, 5 – Nanofluoro – 4 - (Trifluoromethyl) – 3 - Pentatone) is another clean agent alternative. This agent is a clear colorless, low odor agent and has very low global warming potential, approximate atmospheric life time of 5 days and zero ozone depletion potential.

Both the agents FM-200 and NOVEC-1230 have similar hardware and system design requirements, though the design concentrations are different.

Chemetron Cylinders are available in various sizes like Alpha 10 lbs, Alpha 20 lbs, Beta 40 lbs, Beta 55 lbs, Beta 95 lbs, Gamma 150 lbs, Gamma 250 lbs, Gamma 400 lbs, Gamma 550 lbs, Sigma 600 lbs, Sigma 750 lbs and Sigma 1000 lbs.





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CO2 System

CO2 extinguishes the fire by depleting the oxygen in the hazard, thus there is not enough oxygen to support the combustion. Because of this, it must be noted that this system is suitable for unmanned areas only. Typical areas like, Substations, unmanned remote stations, record stage.

When using CO2 as fire fighting agent due care is to be taken to warn the occupants of the potential hazard of the gas for human life as at the design concentrations it causes reduced oxygen supply leading to suppress respiration and cause death from asphyxiation.

There are two types of systems namely High Pressure CO2 System and Low Pressure CO2 Systems, each having a specific advantage over the other. The choice of which system to use depends on the size of the hazard to be protected



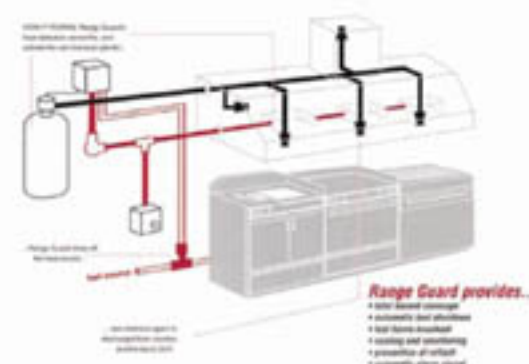
A UTC Fire & Security Company

KITCHEN HOOD

The greatest single cause of fires in eating and drinking establishments is the over-heating of cooking oils and fats.

Range Guard's Wet Chemical Fire Suppression System, uses KARBALLOY, the superior wet chemical agent first developed over 37 years ago. Range Guard was the First, and remains the Best.

These pre-engineered systems design give, operational versatility, safety and effectiveness, Inexpensive hardware and system installation and Fast cost effective system maintenance and upgrades.



They are specifically designed and listed for the suppression of fires in commercial kitchen cooking appliances, plenums, hoods and ducts. Each system operates automatically or may be operated manually.

The liquid chemical Karbaloy, is a solution of potassium Carbonate in water, suppresses fires through a patented process involving.

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HIGH PRESSURE CO2 SYSTEM**How the CO2 High pressure System Works :**

The CO2 high-pressure system operates on efficient pneumatic principles. CO2 pressure is used to open valves, operate switches and accessories. The piston in each cylinder valve head has a pressure ratio of approximately 9 to 1 to insure operation under all pressure conditions. There are 3 independent means of actuation. Automatic, Remote Manual and Direct Manual.

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Automatic Actuation :

Automatic actuation is powered by carbon dioxide vapor from a pilot storage cylinder. Pilot pressure is applied continuously to a normally closed solenoid valve equipped with a pressure gauge. The solenoid valve is connected to an output circuit of control panel. The panel is so designed that after a signal has been received from detection devices it will open the solenoid valve. Pilot pressure is then applied to the cylinder operating head. This pressure initiates the CO2 discharge. Panel

software design includes a programmable pre-discharge period.



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CO2 System Discharge**Remote Manual Actuation:**

Manual actuation of the system from a remote location is performed with pressure from a self-contained small cylinder of carbon dioxide located near the protected area or at a selected remote site from the main CO2 supply. This cylinder is connected to the pilot cylinder discharge head with a 1/4" pipe. Momentarily operation of this cylinder will release sufficient carbon dioxide to pressurize the discharge head & initiate total discharge of the storage cylinders.

Direct manual Release:

Direct release of carbon dioxide can be accomplished by operating a hand wheel on a pilot storage cylinder. A partial turn of the wheel opens the cylinder valve and releases the sufficient pressure to cause complete discharge of the system.

Multiple Hazard Coverage:

Multiple hazards may be protected from a common supply of CO2 by using pneumatically operated directional (selector) valves. This is essentially an economy measure designed to reduce system size. It is to be used only when there is assurance that only one hazard could require a discharge at any one time.

Similar controls are provided for each hazard area. The directional valves are pilot-controlled, and are operated by line CO2 pressure. The pilot controls can be actuated by a solenoid valve using pressure from automatic release, or by remote manual release.

LOW PRESSURE CO2 SYSTEM

The low pressure carbon Dioxide system utilizes carbon dioxide (CO2) stored, mostly as a liquid, at approximately 300 PSI (2070 K Pa) and 0 deg. F (-17.8 deg. C). It is maintained at near this pressure by mechanical refrigeration. When needed, operation of the refrigeration system cools & condenses CO2 vapor in the vapor space of the unit, thus converting it to liquid and reducing the pressure. The storage units is very well insulated, keeping to a minimum the heat transfer to the CO2 from the warmer ambient air of the storage location. A slight rise in storage pressure from this heat input starts the refrigeration cycle described herein.

Stored as a liquid at an ambient temperature of 70 deg. F (21 deg. C), carbon dioxide has a vapor pressure of approximately 850 PSI (5865 K Pa).



KITCHEN HOOD

The greatest single cause of fires in eating and drinking establishments is the over-heating of cooking oils and fats - fact.

Range Guard's Wet Chemical Fire Suppression System, uses KARBOLO, the superior wet chemical agent first developed over 37 years ago. Range Guard was the First, and remains the Best.

These pre-engineered systems design give:

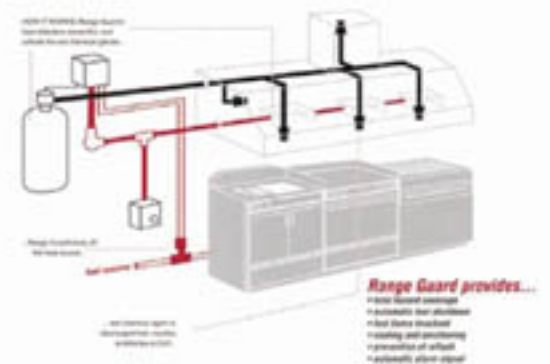
- Operational versatility, safety and effectiveness
- Inexpensive hardware and system installation
- Fast and cost - effective system maintenance and upgrades.

They are specifically designed and listed for the suppression of fires in commercial kitchen cooking appliances, plenums, hoods and ducts. Each system operates automatically or may be operated manually.

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The liquid chemical Karbology, is a solution of potassium Carbonate in water, suppresses fires through a patented process involving.

- (1) The saponification of surface grease (turning it into combustion resistant soap),
- (2) The cooling effects of water vaporization.
- (3) The inerting effects of resultant steam formation and
- (4) The interruption of the chemical chain reaction of combustion



SYSTEM TEMPERATURE LIMITATIONS:

The operation temperature limits for system cylinders and the carbon dioxide cartridge are 0 deg. F (-18 deg.C) minimum and 120 deg. F (49 deg. C) maximum. In shipment or storage system cylinders and carbon dioxide cartridges should not be exposed to less or more than above temperatures respectively. The system operates completely on mechanical process though electronic detectors and panel for operation of such systems cannot be ruled out.



Optelecom-NKF, Inc. (NASDAQ: OPTC), is a global supplier of advanced video surveillance solutions, including IP cameras, video servers/codecs, network video recorders, fiber transmission equipment, video management and video analytics software. We deliver complete solutions for traffic monitoring and security of airports, seaports, casinos, prisons, utilities, public transit, city centers, hospitals, and corporate campuses.



Founded in 1972, Optelecom NKF is committed to providing its customers with expert technical advice and support in addition to products that are developed and tested for professional and mission critical applications. All Optelecom NKF IP surveillance solutions are marketed under the Siquira® name.



CBC (Europe) manufactures the Computar and Ganz branded CCTV products. The Computar brand is associated with Lenses (optical products) and the Ganz brand with Electronic products; Cameras, Domes, Housings, DVRs, Monitors, and IP/Transmission equipment. As a full manufacturing house, CBC continues to set new standards particularly in the fields of digital surveillance products and also develop new and exciting products.

The company is a global leading supplier of high quality CCTV products to the market place by focusing increasingly on reliability, competitiveness, speedy delivery and support of their comprehensive range of CCTV equipment.

Their ongoing commitment and investment into Research and Development has created an extensive range of quality equipment that easily integrates in all aspects of CCTV offering complete turnkey solutions for the ever changing customer requirements.





SECURITY



Lenel Systems International is a global leader in the development of scalable software and integrated systems for corporate, government and institutional security markets. Lenel offers access control, digital video surveillance and management, identity/credential management, real-time intelligent video content analysis, intrusion detection, biometric access, smart card applications, and visitor management systems. These security modules are available as standalone systems, or can be deployed in any combination to deliver a single, seamlessly integrated solution that uniquely satisfies each customer's particular needs. Lenel is part of UTC Fire & Security, a United Technologies Corp. (NYSE:UTX) business unit

Lenel revolutionized the physical access market with its open architecture system development approach. That philosophy has become increasingly important with the proliferation of converged solutions. By creating open standards through which a third-party system can be easily integrated with the OnGuard platform, Lenel is becoming synonymous with converged systems.



GUARDALL Technology designs, produces and markets integrated security systems for small commercial to enterprise-wide applications around the world. The system integrates intrusion, access control and digital video into one application for remote configuration and administration of multiple sites with the assurance of GUARDALL quality, reliability and easy expandability in the future. GUARDALL operates at the leading edge of the electronic security business, providing customers with high quality, technically advanced solutions in over 75 countries. GUARDALL is part of UTC Fire and Security, a company that provides fire safety and security solutions to more than one million customers worldwide.



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