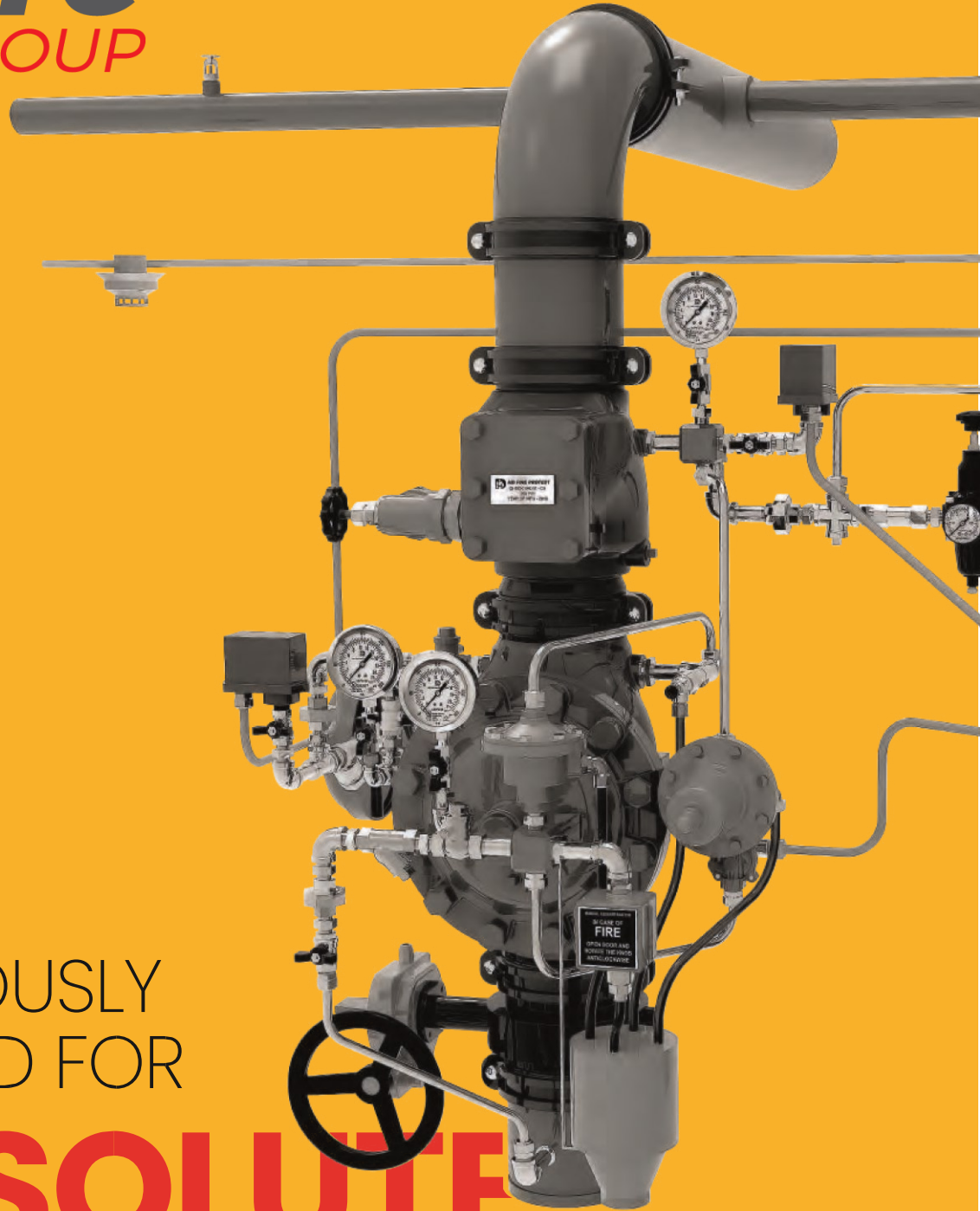




**profire**  
GROUP

**COMPANY PROFILE**  
AL SARH AL METHALI TRADING LIMITED COMPANY



INGENIOUSLY  
CRAFTED FOR

**ABSOLUTE  
PROTECTION**

Saudi Arabia | Bahrain | United Kingdom | United Arab Emirates

# For over 10 Years,

Founded in the Kingdom of Saudi Arabia in 2013, the business has Rapidly flourished and expanded with business operations in the UK, Europe and Middle East, with contracts ranging from modifications to existing systems, to multimillion-dollar Installation.

Our diverse multinational business Leadership team have over 100 years' combined experience, gained from working for some of the largest International Brands in the Fire and Smoke Control market. This expertise and knowledge base, allows us deliver a totally integrated solution to a broad spectrum of industries and customers.

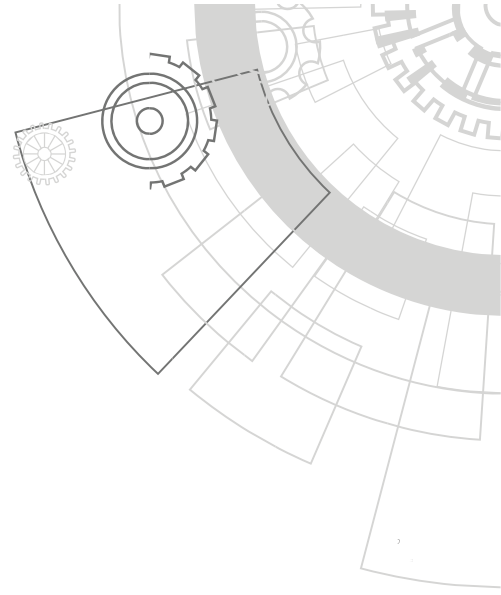
As a manufacturer, we provide innovative solutions for packaged fire pumps, pipe supports, pressure relief venting, smoke extraction, fabricated piper work and zone control valves that require no drainage. All pipe work, supports and profile steel can be powdered coater to your choice of RAL/BS color to fit in with the esthetics of your building ! We also source and stock our own installation materials, which we also offer to the fire trade from our warehouses in Dammam, Saudi Arabia, and Daventry, United Kingdom. We are able to supply system components for sprinkler and detection installations, offering Fire Rated Cable, Valves, Grooved and Malleable Iron Fittings.



# Explosion Protection



- Explosion Isolation
- Explosion Suppression
- Explosion Venting

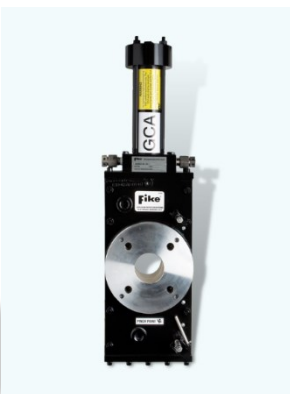


## Dual-Flap Explosion Isolation Valve (DFI™)

A compact, lightweight dual-flap isolation valve held open by normal process flow until the pressure of a deflagration forces DFI to close rapidly into a locked position, preventing the explosion flame and pressure to propagate upstream into connected equipment.

## Bi-Directional Explosion Isolation Float Valve (VENTEX)

Equipped with a spring-loaded poppet, which during a deflagration is pushed against the spring by the pressure wave into a mechanical locked position.



## Active Explosion Isolation Gate Valve (EIV)

Mechanical barrier which prevents the spread of flames and pressure by closing within milliseconds of detection, effectively preventing the deflagration from propagating through process piping or duct work. Available for duct sizes up to DN400.

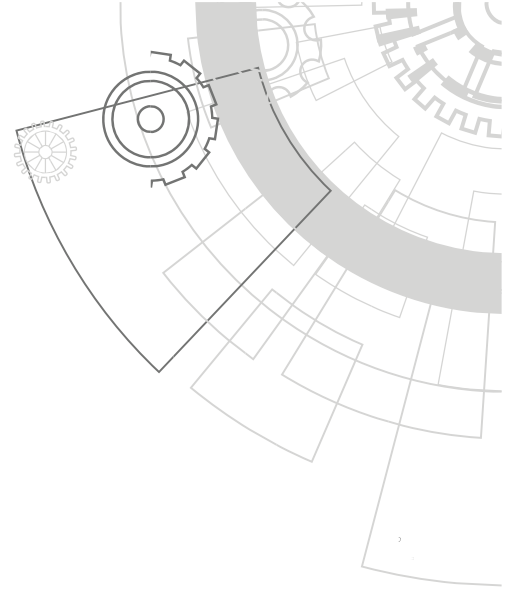
## Chemical Explosion Isolation (SRD)

Rapidly discharges suppressant agent and inert gas into ducts, pipes and conveyors to create a heat-absorbing chemical barrier which isolates flame propagation into connected vessels.





# Fire Protection



- Fire Panels
- Air Sampling & Gas Detection
- Flame Detectors & Video Analytics
- Linear Heat Detection
- Bi-Direction Amplifiers

## FIRE CONTROL PANELS

Fike's newest family of control panels offers you complete flexibility of early warning fire detection, voice evacuation and building process management functions. FCP supports up to 2100 devices, including the latest fire detection technologies such as air sampling, flame detection and linear heat, and offers networkability for up to 32 FCP panels.



## Aspirating Smoke & Gas Detectors

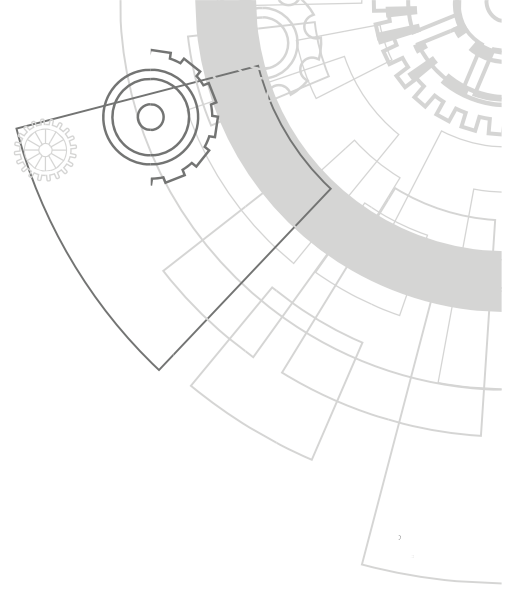
Air Sampling smoke detectors continuously measure a room's air quality for early sign of combustion, even before smoke is visible. Fike offers a comprehensive selection of early warning detection systems and unmatched application-specific technical support for any air sampling needs.

## Flame Detectors & Fike Video Analytics

Ultra-fast detection of hydrocarbon and hydrogen fires is possible with Fike optical flame detectors. Their resistance to weather conditions and false alarms, and ability to detect smoke and oil mist with Fike Video Analytics, make UV/IR optical detection ideal for high-risk environments.



# Fire Suppression Solution



- Chemical Agent
- Water based Suppression
- Inert Gas
- Co2



## Fike Fluoroketones & Hydrofluorocarbons (HFCs)

Safe for occupied spaces, these agents extinguish fire through heat absorption which occurs as they change from a liquid to a vapor during discharge. The gaseous mixture absorbs large amounts of heat and extinguishes fires by cooling the combustion zone.



## Water-Based Suppression Systems

Include water mist systems which produce ultra-fine water droplets to safely protect electronic and other high-value applications, and water cannons which are ideal for more spacious environments.

## Inert Gas Fire Suppression Systems

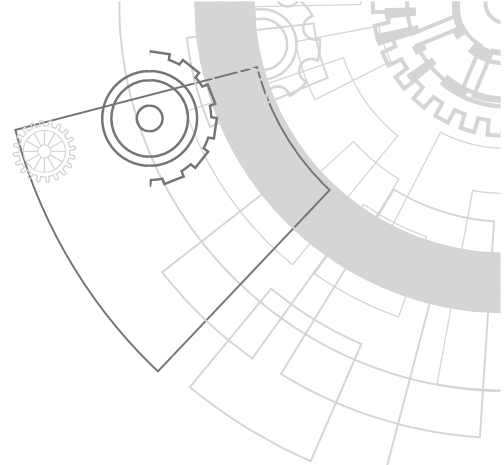
Inert gas is used to reduce oxygen levels to a concentration unsustainable for fires but safe for people and the environment. Its superior design qualities allow for long pipe runs of small-diameter, low-pressure-rating piping with couplings from the containers all the way to the nozzles.



## CO2 Fire Suppression Systems

Fike's Carbon Dioxide Fire Suppression System is an effective and versatile method of fire extinguishment used to minimize downtime in industrial environments and in localized applications not possible by other forms of fire suppression.

# Fire Alarm Systems



**Addressable Fire Alarm Products**



**Conventional Fire Alarm Products**



**FireNET L@titude**



**Notification Appliances**



**Voice Evacuation Products**



**NAC Extenders & Power Supplies**

## PROFESSIONAL TEST & INSPECTION EQUIPMENT



**Test Equipment**



**Cellular Communicators**



**Suppression Detection & Controls**



**Suppression System Accessories**



**Kitchen Systems**



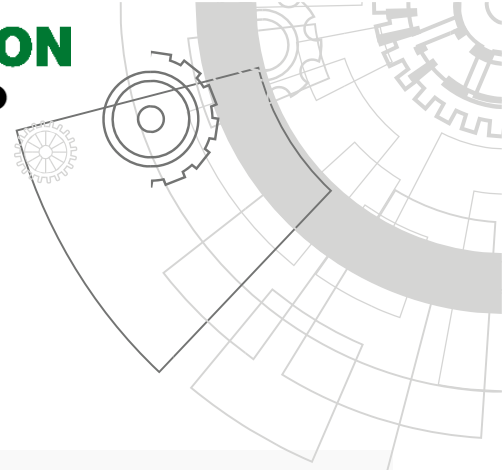
**Linear Heat Cable**



# Fire Alarm Systems



**SECURITON**



## Smoke detection systems

Aspirating smoke detectors from Securiton are among the most precise and most reliable early warning systems against fires. Securiton offers a complete range of detectors that makes the rapid detection of fires both scalable and cost-effective for any monitoring area.



## Networking and Visualisation

FidesNet enables the interconnection of multiple SecuriSmoke aspirating smoke detectors for visualization using one or more FidesControl RCU 700s. The FidesNet networking solution makes it possible to connect SecuriSmoke aspirating smoke detectors to superordinate systems using the FidesPort NCU 900.



## Smoke switch systems

With the LRS 01 and LRS 02, Securiton offers two systems for early smoke detection and the actuation of fire and smoke protection dampers. The practical all-round solution stands out by virtue of its well-thought-out details. The flow-optimized two-tube airflow system complements the reliable smoke switch technology inside a sturdy fiberglass-reinforced housing. The LRS therefore guarantees maximum detection reliability in ventilation ducts, combined with unique advantages during mounting and maintenance.



## Heat detection systems

Highly flexible, because when it comes to protection, every object has its own very particular requirements. The SecuriHeat d-LIST line-type heat detector with SEC 15 sensor cable is ideal for applications involving small monitoring areas. The cable terminal processor, an SCU 835 sensor control unit, can accommodate two sensor cables up to 350 meters in length each.

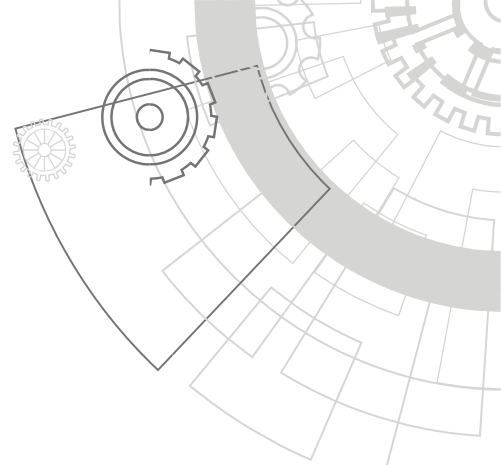


## Fire detectors

The temperature-supported smoke sensor of the MCD 573X provides early detection of smouldering, glowing and open fires with smoke development. With Cubus levelling, the detector adapts to the ambient temperatures prevailing in the room – and automatically regulates its own smoke sensitivity.



# Fire Alarm Systems



*MKII Soft & Hard Addressable Fire Alarm System*



## MKII Soft & Hard Addressable Fire Alarm System

The Fyreye Rate of Rise heat detectors (MKIIAHR) use a thermistor arrangement to sense a quick rise in temperature and also a final threshold temperature of 57°C. The Fyreye fixed heat detector (MKII-AHF) has a single thermistor arrangement that gives an alarm at a temperature of 90°C.

*Conventional Fire Alarm Systems*



## Conventional Fire Alarm Systems

A conventional fire alarm system is a fire alarm system wired using a radial method (single legs of cable). These radials are wired from the main fire alarm panel and are either fire alarm zones or sounder circuits. Fire alarm zones are the radial circuits that monitor the detectors and manual call points.

*Standalone Fire Alarm Systems*



## Standalone Fire Alarm Systems

Standalone fire alarms do not need an external power source, nor do they need a control panel to allow them to function. They are ideal for temporary structures, small offices and storage spaces as well as locations such as building sites where the requirements of the fire alarm system may fluctuate.

*Domestic Fire Alarms*



## Domestic Fire Alarms

Smoke detectors perform a life-saving function in the event of a fire. They provide an early warning of a fire and give time to escape. Smoke detectors are compulsory and must be installed in every residential building.

*Gas Extinguishing Systems*



## Gas Extinguishing Systems

A gas extinguishing system is a fire extinguishing system that extinguishes fire with the help of a gaseous extinguishing agent either through oxygen displacement (reduction of oxygen content) or physical effects (heat extraction).



# System Equipments, Valves & Sprinklers

## BUTTERFLY VALVES

- Wafer, Lugged and Grooved Type Butterfly Valves with Tamper Switch
- Size: 2" to 12"
- Max. Working Pressure: 300 psi
- Body & Gear Box: Ductile Iron Construction (ASTM A536, 65-45-12)
- Disc: Ductile Iron with EPDM
- Drive Shaft: Stainless Steel
- Fusion Bonded Epoxy Coated
- UL Listed and FM Approved



## GATE VALVES

- OS&Y and NRS resilient Wedge Gate valves
- Size: 2" to 24"
- Max. Working Pressure: 300 psi
- Body: Ductile Iron Construction (ASTM A536, 65-45-12)
- Disc: Ductile Iron with EPDM
- Stem: Stainless Steel
- Flanged end connections are available either in ANSI/AWWA or BS PN 16
- Fusion Bonded Epoxy Coated
- UL Listed and FM Approved

## SWING CHECK VALVE

- Flanged and Grooved Type
- Horizontal or Vertical Installation
- Size: 2" to 12"
- Max. Working Pressure: 300 psi
- Ductile Iron Construction (ASTM A536, 65-45-12)
- Fusion Bonded Epoxy Coated
- UL Listed and FM Approved

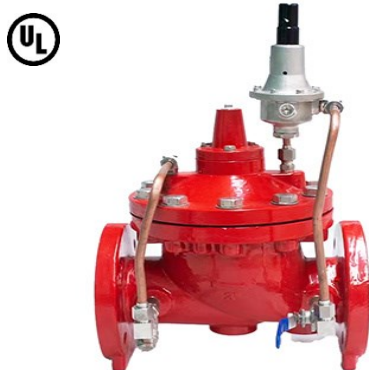




## Alarm Check Valves

APC Wet Alarm valves includes trim packages valves, gauges, pressure switch, fittings and nipples to provide retard chamber connection, drain connections and alarm test bypass.

- Anti-corrosive Trim
- Ductile Iron Body
- Quick removal and easy service for rubber-faced clapper
- Flange comply to ANSI B16. 42 Class150, Grooved comply to AWWA C606
- Max Working Pressure: 300 PSI
- Sizes - 2", 2.5", 3", 4", 5", 6", 8", 10" & 12"



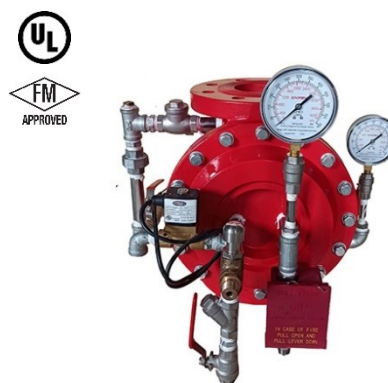
## Pressure Reducing Valves

- Reducing a higher upstream pressure into a lower, constant downstream pressure.
- Adjustment Range of Outlet Pressure: 65 to 165 PSI
- Can be maintained without removal from the pipeline.
- Valve Sizes 2", 2.5", 3", 4", 5", 6", 8", 10" and 12"
- Valve body: Ductile Iron
- Working Pressure: 300 PSI



## Vertical Type Indicator Posts

- Comply with UL 789, FM 1110, & requirements of NFPA 24 ST
- Indicates the Valve OPEN or SHUT Position
- Target Nut to allow 13 to 45 Turns
- Protected Windows
- Used with 4"-14" NRS Valves



## Deluge Valves

The deluge valve intended for installation in a piping system to supply water automatically to deluge and preaction sprinkler systems for fire protection services. APC Deluge Valves are covered by these requirements are intended for installation and use in accordance with NFPA11, NFPA 13, NFPA 14, NFPA 15 and NFPA 16.

- Available nominal size: 2", 3", 4", 6" & 8"
- 12 Bar (175 PSI) Pressure
- 90° pattern inlet to outlet vertical mounting
- Specialized Smoke Chamber Design
- Galvanized Steel with Brass Valves Trim
- 25 bar (350 PSI) Hydrostatic test pressure



## Fire Alarm Bell

Alarm bell is a low power consumption & a microprocessor base design with high dBA sound output, available in 6", 8" & 10" housing. Quickly and easily to installed. (optional WP back-box for outdoor application)



## Air Release Valves

This valve is used as a backup just in case the water pressure or flow is not as required due to certain situations. Tested under the pressure of 350 PSI.



## Waterflow Switch

- Flow sensitivity range:
- No-Alarm at flow 15L/Min. or less.
- Alarm flow more than 15L/Min. or less than 37.5L/Min. (75L/Min for FM Approval)
- Contact rating: 8A@125/250VAC, 3A@24VDC, 2.5A@30VDC
- Working Pressure: 450 PSI
- Designed for both indoor and outdoor use.
- Case type: Metal · Sizes: 2", 2.5", 3", 4", 5", 6" & 8"



## Pressure Switch

- Contact rating: 15A @ 125/250VAC, 2.5A@30VDC
- Working Pressure: 250 PSI
- IP 66
- Two sets of SPDT
- Case type: Metal Detects the waterflow in automatic fire sprinkler systems of particular designs.



## Test & Drain Valve

- Female threaded NPT inlet and outlet
- Body material - BRASS ASTM C37700
- Working pressure 300PSI
- 1", 1.25", 1.5" & 2" Size Connection
- Case type: Metal
- Sizes: 2", 2.5", 3", 4", 5", 6" & 8"



## Safety Valves

- Relieve excess system pressure caused by surges or temperature changes and comply with NFPA-13 requirements that stipulate a pressure relief valve be installed on all gridded systems and downstream of all pressure reducing valves
- 1/2" MIPT inlet and FIPT outlet
- Rated for installation in 175 PSI systems with other ratings available (165, 185, 195, 205, 225, and 250)

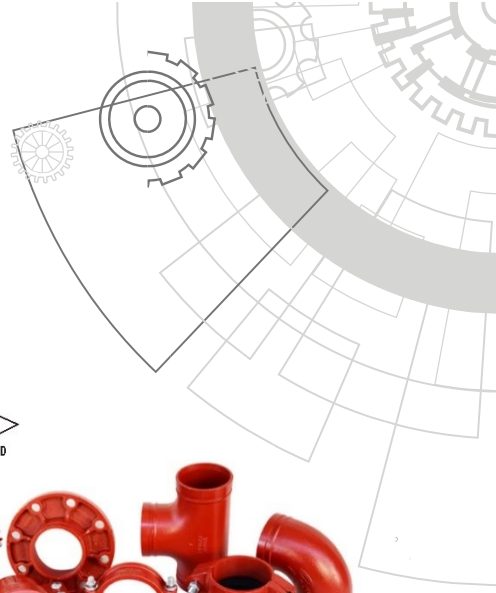




# Fittings & Accessories



**STOCKIST**



**Black Malleable Iron**



**Galvanized Malleable Iron**



**Grooved Fittings**



**Carbon Steel Fittings**



**Stainless Steel Fittings**



**Forged Carbon Steel Fittings**



**Forged Stainless Steel Fittings**



**Carbon Steel Flanges**

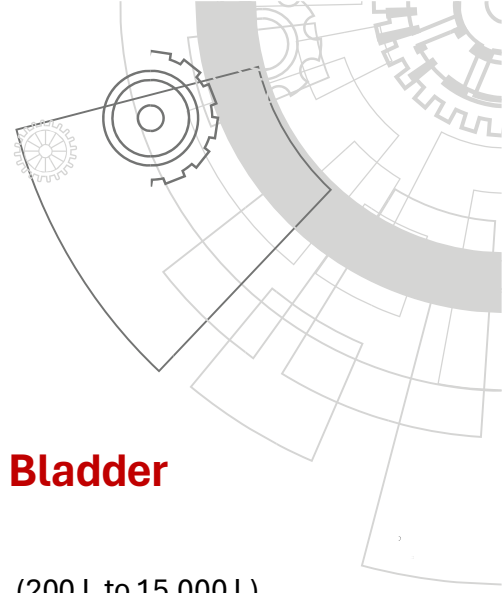


**Stainless Steel Flanges**



**PVC & CPVC Fittings and Valves**

# Foam Proportioning



## Horizontal and Vertical Bladder Tanks – Pre-Piped

- Capacity: 53 Gal. to 4000 Gal. (200 L to 15,000 L)
- Foam Proportioners: 50 NB to 200 NB
- Wide Flow Range: 75 LPM to 30,000 LPM
- Foam Vessel: Carbon Steel / Stainless Steel
- Bladder: Nylon Reinforced Nitrile (BUNA-N)
- Designed as per ASME Sec. VIII Div 1
- Rated Pressure: 12 BAR (175 psi)
- Approvals – UL Listed, CE marked.



## In line Balanced Pressure Foam Proportioner

- Available Sizes: 65 NB, 80 NB, 100 NB & 150 NB
- Flow ranges from 300 LPM to 11,000 LPM
- Stainless Steel Construction (SS 304 & SS 316)
- Working Pressure: 3 BAR to 12 BAR
- Flanged End Connection
- Manual override not required.
- Compact in Size
- Approvals – UL Listed



## Atmospheric Foam Concentrate Storage Tank

- Capacity: 200 L – 50,000 L
- Designed as per ASME Sec VIII, Div. 1
- Body: Stainless steel/Carbon steel with FRP lining
- Available in horizontal & vertical mounting
- Flat end & dome end



## HVLR Foam Monitor Variable Flow Type

- Variable Flow: 1000-1500-2000 GPM
- Size: 150 NB (6") flanged inlet
- Stainless Steel waterway
- Gear for horizontal and vertical movement
- 360° continuous horizontal rotation
- +90°, -45°- vertical Rotation
- Approvals – UL Listed



## Water Cum Foam Monitor

- Capacity: 750 GPM
- Size: 100 (4") flanged inlet
- Stainless Steel waterway
- Gear for horizontal and vertical movement
- 360° – Continuous horizontal rotation
- +90°, -45° – Vertical Rotation
- Horizontal Range with water @ 30 Deg. 60 Mtr
- Approvals – UL Listed



## Remote operated Water Cum Foam Monitor

- Flow: 750, 1000, 1500, 2000 GPM
- Stainless Steel waterway
- Motor operated horizontal and vertical movement
- 360° continuous horizontal rotation
- +90°, -45°- vertical Rotation
- Monitors Approvals – UL Listed
- Electric Components – ATEX, PESO etc



# Extinguishers

## ABC Powder



ABC Powder works by firstly applying a coating to the fire which acts like a blanket suffocating the fire.

## Wet Chemical



Wet Chemical uses a film forming base with additional secret chemicals and micro drop mist nozzle technology.

## AFFF Foam



Aqueous Film Forming Foam (AFFF) works by applying a film forming foam to the fire which causes a blanket over the fire suffocating the fire.

## Carbon Dioxide



Carbon Dioxide being an inert gas works by expelling the oxygen and thereby suffocating the fire and is suitable for common industries where small class B.

## Water



Water extinguishes by cooling the fire and is the simple, conventional and ever-faithful extinguishing agent.

## Water Mist



Water Mist is the ONLY extinguisher in the world of its type to be able to extinguish ALL classes of fire using only water and NO ADDITIVES.

## Powder Automatic Type



PD-Matic is a newly developed product, where in the Dry Powder is automatically ejected through the sprinkler head, after release of the thermo safety device on reaching a temperature of 68°C.

## Powder Automatic Type



Automatic Foam Extinguishers (AFFF – Aqueous Film Forming Foam) works by firstly applying a film forming foam (bubbles) to the fire which causes a blanket over the fire, suffocating the fire, while almost simultaneously cooling the fire.

# ERW & SMLS PIPES



## Carbon Steel & Galvanized Steel

Carbon steel piping is a durable material made from carbon steel, a steel alloy with iron and carbon. Because of its strength and ability to withstand stress, carbon steel pipe is used in a variety of heavy-duty industries like infrastructure, ships, distillers, and chemical fertilizer equipment.

## Stainless Steel

Stainless steel pipe resists oxidation, making it a low-maintenance solution that is suitable for high temperature and chemical applications. Because it is easily cleaned and sanitized, stainless steel pipe is also desired for applications involving food, beverages, and pharmaceutical applications.



## Duplex & Super Duplex Pipes

In technical terms, Super Duplex pipes are made from a form of austenitic-ferritic stainless steel, based upon iron with alloying additions of chromium, nickel and molybdenum. As such, Super Duplex pipes are pipes made out of this material.



## PVC & CPVC Pipes

The base material for both is PVC (polyvinyl chloride), but CPVC is taken through a chlorination process that makes it more rigid and also more tolerant of higher temperatures. The added chlorine in CPVC (chlorinated polyvinyl chloride) results in a more flexible material with better insulating properties.



# Customers

أرامكو السعودية  
saudi aramco



SAP Ariba

سابك  
sabic



الشركة السعودية للكهرباء  
Saudi Electricity Company



مرافق  
MARAFIQ

معادن  
MAADEN

TECNICAS REUNIDAS

SNC • LAVALIN

منافسات  
MONAFASAT

LEONARDO

SAIPEM

AFED

أدنوك  
ADNOC

LARSEN & TOUBRO

KJO  
عمليات الخفجي المشتركة  
AL KHAJJI JOINT OPERATIONS

MCDERMOTT

STC  
الاتصالات السعودية



شيفرون العربية السعودية  
Saudi Arabian Chevron

CB&I

Jones  
Engineering

Zamil industrial

المؤسسة العامة لتحلية المياه المالحة  
Saline Water Conversion Corporation (SWCC)

SHADE

NESMA  
UNITED INDUSTRIES

## APPROVED VENDORS

SAUDI ARAMCO	10060939	SNC LAVALIN	S042846
SAP ARIBA	AN01405455984	MONAFASAT	2000010304
SABIC	11043336	LEONARDO	GS158566
SAUDI ELECTRICITY COMPANY	2006683	SAIPEM	169860
MARAFIQ	4342	SWCC	6500
MAADEN	39157	ROYAL COMMISSION	12228
TECNICAS REUNIDAS	A000002303	SAUDI ARABIAN CHEVRON	



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