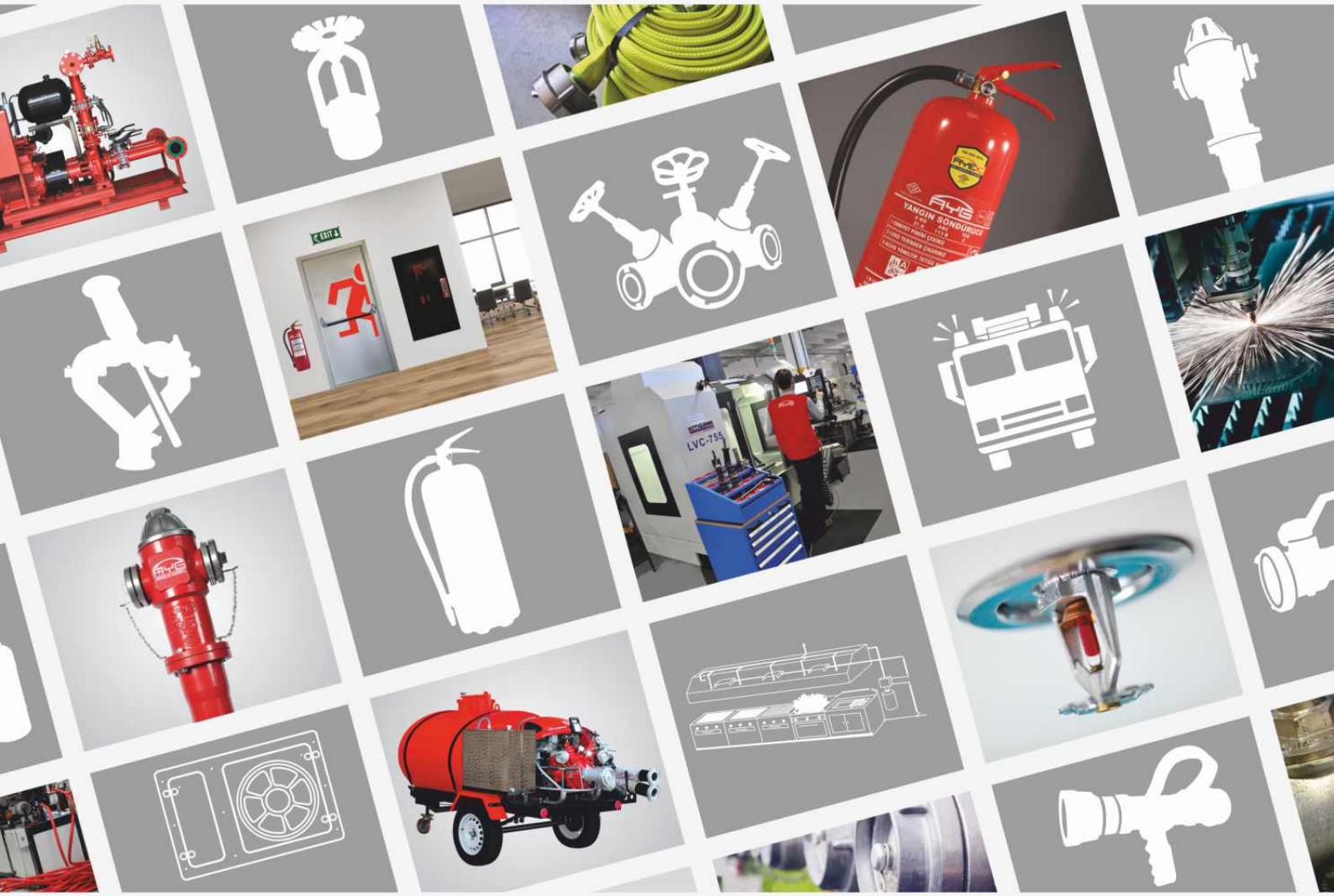
AYG

FIRE FIGHTING & SECURITY CO.

www.ayg.com.tr



PRODUCT CATALOG

AYG
FIRE FIGHTING & SECURITY CO.

Founded in 2001, A Yangin Guvenlik Sistemleri A.S. is one of the biggest and fast growing Fire Fighting Companies of Turkey which offers a comprehensive range of fire fighting products, equipment and technology solutions. Many years of design and development by our industry experts has resulted in a range of fire fighting equipment at the forefront of the global fire industry – used and recommended by professional fire fighters around the world.

With the technology and design behind our products we have successfully broken into a wide range of markets currently servicing more than 20 countries with our products. We have developed and manufactured a wide spectrum of fire fighting equipment over the years which has helped keep AYG at the forefront of worldwide fire fighting. With over years of expertise, AYG provides turnkey solutions in fire protection, fire suppression and fire detection systems for industrial requirements.

We at AYG, are a dedicated group and have more than 250 adequate manpower resources headed by a team of professionally qualified and experienced engineers in this field who are capable of designing, procuring and executing projects right from concept to commissioning stages. Dynamic and client orientated, we are able to react quickly and professionally to clients needs and requirements.

- TS EN 16034 Fire Doors
- TS EN 671-1 Wet System Fire Cabinets
- TS EN 671-2 Dry System Fire Cabinets
- TS 9222 Lay-Flat Fire Hoses
- TS EN 14450:2014 Layflat Fire Hoses
- TS EN 694:2014 Semi-Rigid Fire Hoses
- TS 745 EN ISO 2398 Compressed Air Hose
- TS 2323 Hose Couplings for Marine Fire Brigades
- TS 12258 Couplings and Reductions
- TS 12259 Landing Valves
- TS 3145 Branch Pipes Nozzles
- TS EN 14384 Above Ground Fire Hydrants
- TS 862-7 EN 3-7+ A1 Portable Type Fire Extinguishers
- TS EN 1866-1 Mobile Type Fire Extinguishers
- TSEK ÜBM-00-BK-000 Package Boosters, Fire Pumps
- TS UBM-00-BK-000 Foam Generators, Foam Nozzles
- TS EN ISO 9908 Centrifugal Pumps
- UL 300 / TS 13699 - Statement Of Conformity
- TS EN 615:2011 Dry Chemical Powder
- Service Competence Certificate

ISO 9001:2015 QUALITY MANAGEMENT SYSTEMS

TSE EN CE 0407/17 TÜV AUSTRIA NFPA NATIONAL FIRE PROTECTION ASSN.

FIRE DOORS

GENERAL DESCRIPTON

Fire Doors are a crucial element to any building having two important functions in a fire, when closed they form a barrier to fire and smoke spread but should also provide a suitable means of escape. They are used as part of a passive fire protection system to reduce the spread of fire or smoke between compartments. Fire Doors enable safe escape from a building or structure during events like fire, earthquake, etc. Since fire doors have a distinct purpose, they have additional special characteristics than those of ordinary doors.

A well-designed fire door will delay the spread of fire and smoke without causing too much hindrance to the movement of people and goods. Every fire door is therefore required to act as a barrier to the passage of smoke and/or fire to varying degrees depending upon its location in a building and the fire hazards associated with that building.

Manufactured in accordance with TS EN 16034 standard which conforms to EU norms, AYG branded Single and Double Leaves Fire Doors are independently tested to TSE (Turkish Standards Institution) and provide 60, 90, 120 minutes of fire protection performance. AYG offers a wide range of doors with varying fire rating and sizes.

GENERAL SPECIFICATIONS

*60, 90, 120 minutes fire resistance
*Reinforced door leaf
*Blind four-sided door frame
*Panic bar and sash closure options
*Hinge adjustment
*Custom production on requested RAL code

FIELDS OF APPLICATION:

- •High rise buildings
- •Shopping malls
- •Hotels
- •Airports
- •Metro railway stations
- •Industrial plants
- •Ships and freight / Passenger liners
- •Telecom centers
- •Cellar network stations

WET SYSTEM FIRE CABINETS

GENERAL DESCRIPTON

AYG branded Wet System Fire Cabinets have an attractive and compact design with universal high-quality standards. Manufactured in accordance with TS EN 671-1 AYG branded Wet System Fire Cabinets also carries the CE mark EN 671-1 standards.

Wet System Fire Cabinets are manufactured as surface or recessed wall mounted, glass lid or sheet metal lid, with fire extinguisher compartment or without fire extinguisher compartment. Hose reel mounted inside the cabinet which door opens 180°. The reel can easily be removed from the cabinet to facilitate the installation. All cabinets are painted untouched by human hands as requested RAL color at our own painting ovens.

TECHNICAL SPECIFICATIONS

CASE: made of 1.2mm. A1 grade carbon steel sheet metal. Surface or Recessed type.
750x750x200mm. sized cabinet without fire extinguisher compartment.
1000x750x200mm. sized cabinet with fire extinguisher compartment.
Convenient for water inlet on sides, top and back of the case.
Painted with electrostatic powder paint which has 70-micron thickness.
Besides to standard designs and colors, optional designs and colors are available. (in RAL codes)

DOOR: made of 1.2mm. A1 grade carbon steel sheet metal or glass.
Tempered glass is used for glass doors.
Recessed type lock is used on the door which is not creating raise on the door surface.
Doors are available as an opening to the right or left direction by rotating 180°.
Painted with electrostatic powder paint which has 70-micron thickness.
Besides to standard colors, optional colors are available. (in RAL codes)

INSIDE EQUIPMENT:

Hose reel, delivering water at its center, made of corrosion-resistant material.
Reel hub made of A1 grade carbon steel sheet metal.
Reel waterline with brass mechanism.
1m. 1" connection hose with 1" ball valve for the connection of the reel center to the water pipe.
1m. 1" connection hose with 2"-1" coupling with tail for the connection of the reel center to the 2" landing valve with 2" coupling.
1" semi-rigid hose (20m.25m.30m.) with 1" 3-positioned (jet/spray/off) nozzle.

FIELDS OF APPLICATION:

- •High Rise Buildings
- •Schools
- •Cinemas
- •Hotels and Conference Centres
- •Sports Arenas
- •Shopping Malls
- •Hospitals
- •Airports
- •Metro Railway Stations

DRY SYSTEM FIRE CABINETS

GENERAL DESCRIPTON

AYG branded Dry System Fire Cabinets have an attractive and compact design with universal high-quality standards. Manufactured in accordance with TS EN 671-2 AYG branded Dry System Fire Cabinets also carries the CE mark EN 671-2 standards.

Dry System Fire Cabinets are manufactured as surface or recessed wall mounted, glass lid or sheet metal lid, with fire extinguisher compartment or without fire extinguisher compartment. Hose reel mounted inside the cabinet which door opens 180°. The reel can easily be removed from the cabinet to facilitate the installation. All cabinets are painted untouched by human hands as requested RAL color at our own painting ovens.

TECHNICAL SPECIFICATIONS

CASE: made of 1.2mm. A1 grade carbon steel sheet metal. Surface or Recessed type.
550x650x160mm. sized cabinet without fire extinguisher compartment.
850x650x180mm. sized cabinet with fire extinguisher compartment.
Convenient for water inlet on sides, top and back of the case.
Painted with electrostatic powder paint which has 70-micron thickness.
Besides to standard designs and colors, optional designs and colors are available. (in RAL codes)

DOOR: Made of 1.2mm. A1 grade carbon steel sheet metal or glass.
Tempered glass is used for glass doors.
Recessed type lock is used on the door which is not creating raise on the door surface.
Doors are available as an opening to the right or left direction by rotating 180°.
Painted with electrostatic powder paint which has 70-micron thickness.
Besides to standard colors, optional colors are available. (in RAL codes)

INSIDE EQUIPMENT:

Special design hose reel made of A1 grade carbon steel sheet metal.
2" or 2½" diameter layflat fire hose (20m. 25m. 30m.)
There are two aluminum coupling on each edge of the hose as mounted with the wire winding.
2" or 2½" 3-positioned (jet/spray/off) branchpipe nozzle (aluminium or ABC material) with 2" or 2½" coupling.
2" or 2½" landing valve with 2" or 2½" coupling.

FIELDS OF APPLICATION:

- Airports
- Cinemas
- Sports Arenas
- Hotels and Conference Centres
- Schools
- Hospitals
- Metro Railway Stations
- High Rise Buildings, Shopping Malls

OUTDOOR TYPE DRY SYSTEM FIRE CABINETS

GENERAL DESCRIPTON

AYG branded Outdoor Type Dry System Fire Cabinets have an attractive and compact design with universal high-quality standards. Manufactured in accordance with TS EN 671-2 AYG branded Dry System Fire Cabinets also carries the CE mark EN 671-2 standards.

Outdoor Type Dry System Fire Cabinets are manufactured as footed-roofed, single sheet metal lid and single or double hose reel. Hose reel mounted inside the cabinet which door opens 180°. The reel can easily be removed from the cabinet to facilitate the installation. All cabinets are painted untouched by human hands as requested RAL color at our own painting ovens.

TECHNICAL SPECIFICATIONS

CASE: Made of 1.2mm. A1 grade carbon steel sheet metal. Footed-roofed.
550x650x160mm. sized cabinet with single hose reel.
700x1100x180mm. sized cabinet with double hose reels.
Painted with electrostatic powder paint which has 70-micron thickness.
Besides to standard designs and colors, optional designs and colors are available. (in RAL codes)

DOOR: Made of 1.2mm. A1 grade carbon steel sheet metal or glass.
Recessed type lock is used on the door which is not creating raise on the door surface.
Doors are available as an opening to the right or left direction by rotating 180°.
Painted with electrostatic powder paint which has 70-micron thickness.
Besides to standard colors, optional colors are available. (in RAL codes)

ROOF: Made of A1 grade carbon steel sheet metal.
The roof is designed to be curved forward and backward.
Painted with electrostatic powder paint which has 70-micron thickness.

BASE: Made of A1 grade carbon steel sheet metal.
Standard colors is black. Optional colors and designs are available.

INSIDE EQUIPMENT:

Special design hose reel made of A1 grade carbon steel sheet metal.
2" or 2½" diameter layflat fire hose (20m. 25m. 30m.)
There are two aluminum coupling on each edge of the hose as mounted with the wire winding.
2" or 2½" 3-positioned (jet/spray/off) branchpipe nozzle (aluminium or ABC material) with 2" or 2½" coupling.

FIELDS OF APPLICATION:

•Factories	•Hospitals	•Sports Arenas	•Industrial Plants	•Hotels and Conference Centres
•Warehouses	•Airports	•Schools	•Shopping Malls	•Living Complexes.

ABOVE GROUND DRY BARREL FIRE HYDRANT DN100 AND DN80

GENERAL DESCRIPTION

Hydrants are used for fire fighting and as points for obtaining a water supply. They may be used to bleed air and drain off water from the system as well as for temporary water supply. Above ground hydrants are recognised for their fast operation and easy recognition. They are found in a variety of situations and wherever space allows.

AYG above ground hydrants have many safety features and meet or exceed the requirements of TS EN 14384. AYG Fire Hydrants enable quick reaction to fire by supplying water to the officials in high risk areas such as factories, warehouses, living complexes, industrial plants etc.

They are made of cast iron body with two outlets, valve mechanism, and a spindle that controls the sealing. When the head of the hydrant is turned counter clockwise, the spindle moves down, sealing the valve at the flow direction. And when the reverse action is applied, the fire hydrant opens, enabling high flow to officials. Three different length alternatives are available for deep pipeline installations, and an automated drain valve is installed on the valve for frost protection.

TECHNICAL SPECIFICATIONS

- DN100 (4") Above Ground Fire Hydrant with Elbow DN100 (4"). (Length: 145cm and 175cm.).
- DN80 (3") Above Ground Fire Hydrant with Elbow DN80 (3"). (Length: 145cm and 175cm.).
- DN100 (4") Fire Hydrant Outlets: 2x2 ½" storz type hydrant coupling and coupling cap.
- DN80 (3") Fire Hydrant Outlets: 2x2" storz type hydrant coupling and coupling cap.
- Valve Seat of Dezincification Resistant Brass.
- Fully Vulcanized Ball Sealing Gasket.
- Automatic Drainage in Flush Proof Design.
- Operating Nut with Integrated Air Valve of Brass.

FIELDS OF APPLICATION:

•Factories,	•Industrial Plants	•Airports	•Hospitals	•Hotels and Conference Centres
•Warehouses	•Shopping Malls	•Schools	•Sports Arenas	•Living Complexes

SEMI-RIGID FIRE HOSE (HOREKS)

GENERAL DESCRIPTON

Horeks Semi-Rigid Fire Hose is designed and manufactured in compliance with TS EN 694:2014 standard. The hose is double layered with the red cover and black lining. Fire hose is suitable to use with fixed wet systems like fire hose reels. Its flexibility helps to roll or handle the hose easily.

The material used for inner lining and cover of hose is plasticized PVC compound and high tensile textile polyester yarn is used for reinforcement of hose.

TECHNICAL SPECIFICATIONS

DIAMETER: 1" (25 mm.), ¾" (19 mm.)

COLORS: Red and Black.

PRESSURES: Operating pressure: 12 Bar, Test pressure: 24 Bar, Bursting pressure: 48 Bar.

LENGTHS: All standard lengths (20m, 25m, 30m.) can be supplied from stock; however Horeks Hose specialize in the cutting and assembly of non-standard lengths to satisfy customers' individual requirements.

ADVANTAGES: Good abrasion resistance, High aging resistance, Cold-resistant up to -20°C, Heat-resistant up to +60°C, Easy maintenance and handling, Very flexible without blocking/kinking when bent around corners, 100% rot/vermin proof, Highly ozone and UV-light resistant.

INNER-OUTER COATED LAYFLAT FIRE HOSE (HOREKS TYPE 3)

GENERAL DESCRIPTON

The Horeks Type 3 layflat fire hose is principally used in the firefighting industry. However it is a multipurpose hose also commonly used within the shipboard and marine industry, on refineries and construction sites, in agriculture and irrigation, general industrial use and for all wash-down applications.

Constructed with a synthetic woven textile reinforcement encased in high tensile PVC/Nitrile rubber forming a unified lining and cover Horeks is manufactured to TS 9222 and ISO 9001:2008. Significantly exceeds the requirements of the most demanding international standards for resistance to kinking, abrasion, heat, chemicals, oil, weathering, ultra-violet light and ozone.

Its abrasion resistance properties provide contact resistance to oil, fuel and chemical products along with ozone weather resistance. The unified construction guarantees a smooth inner surface and low friction loss for a long service life with minimal maintenance requirements and easy repair.

COUPLINGS: Storz, John Morris, Gost, Guillemin / DSP coupling types wired-in for safety and security, with 1.6mm Stainless Steel wire.

LENGTHS: All standard lengths (20m, 25m, 30m) can be supplied from stock; however Horeks Hose specialize in the cutting and assembly of non-standard lengths to satisfy customers' individual requirements.

LAY FLAT FIRE HOSE (HOREKS)

GENERAL DESCRIPTON

Horeks is a high quality layflat fire hose used by Industrial and Marine professionals around the world. Circular woven jacket out of 100% high tenacity synthetic yarn with an inner liner made out of a vulcanized high quality EPDM or PVC compound. The ribs on the outside of the lining also provide excellent abrasion resistance while internally friction losses are minimised.

Manufactured in accordance with TS 9222, TS EN 14540-2014 which is independently tested to TSE (Turkish Standards Institution) Horeks branded lay flat fire hose also carries the WHEEL MARK to Marine Equipment Directive (MED). Significantly exceeds the requirements of the most demanding international standards for resistance to kinking, abrasion, heat, weathering, ultra-violet light and ozone.

TECHNICAL SPECIFICATIONS

PRESSURES: Operating pressure: 12 Bar, Test pressure: 24 Bar, Bursting pressure: 50 Bar.

ADVANTAGES: Good abrasion resistance, Low friction loss, High aging resistance, Cold-resistant up to -40°C, Heat-resistant up to +80°C, Easy maintenance and handling

COUPLINGS: Storz, John Morris, Gost, Guillemin / DSP coupling types wired-in for safety and security, with 1.6mm Stainless Steel wire.

LENGTHS: All standard lengths (20m, 25m, 30m) can be supplied from stock; however Horeks Hose specialize in the cutting and assembly of non-standard lengths to satisfy customers' individual requirements.

FIELDS OF APPLICATION:

- Municipal Fire Brigades
- Industrial Fire Brigades
- Shipboard and marine Industry
- Refineries
- Construction Sites and General Industrial Use




ABC TYPE DRY CHEMICAL POWDER FIRE EXTINGUISHERS

GENERAL DESCRIPTON

Manufactured in accordance with TS 862-7 EN 3-7 and TS EN 1866-1 standard, AYG branded ABC Type Dry Chemical Powder Fire Extinguishers also carries the CE mark and is independently tested to TSE (Turkish Standards Institution). Often termed “multi-purpose” extinguishers as they can be used on (Class A, B and C) flammable solids (such as paper, wood, plastic etc) flammable liquids and flammable gases. Also safe on live electrical equipment. The highly-rated extinguishant is Mono-Ammonium Phosphate, which is a fine powder that can knock down flames quickly and protect users against the radiant heat from a fire.

Ideal for domestic use and a variety of commercial and industrial applications, including outdoor areas and vehicles, where freezing temperatures can adversely affect liquid-based extinguishers. All fire extinguishers are fully rechargeable, serviceable and are supplied complete with mounting brackets.

TECHNICAL SPECIFICATIONS

·Dry Chemical Powder (MAP) 40% and 90% meet the requirements TS EN 615
·Stored pressure for enhanced reliability and efficiency
·Pre-checked, weighed and ready for use
·Pressure gauge for visual inspection
·Safety pin to prevent inadvertent discharge
·Supplied with wall mounting bracket
·Tough alloy steel cylinder
·Corrosion-resistant coating
·Fully refillable and serviceable
·Spare parts available

ASSORTMENT

1kg and 2kg ABC type dry chemical powder fire extinguishers
6kg, 9kg and 12kg ABC type dry chemical powder fire extinguishers
25kg and 50kg ABC type dry chemical powder fire extinguishers

FOAM FIRE EXTINGUISHERS

GENERAL DESCRIPTON

Manufactured in accordance with TS 862-7 EN 3-7 and TS EN 1866-1 standard, Foam fire extinguishers are one of the most common types of fire extinguisher and are generally used for fires involving flammable solids and liquids.

Foam spray extinguishers are ideal for multi-risk situations where both Class A combustible materials and Class B flammable liquid risk are likely to be found or where Class B risks represent a direct hazard. Foam spray extinguishers are especially suitable for Class B fires involving flammable liquids such as oils, spirits, fats and certain plastics. The blanketing effect of foam spray gives rapid knockdown which smothers the flame and prevents reignition of flammable vapors by sealing the surface of the solution.

Ideal for domestic use and a variety of commercial and industrial applications, such as chemical plants, oil refineries, solvent and hydrocarbon storage areas, paint production and storage areas, generator rooms, aviation hangars, warehouses. All fire extinguishers are fully rechargeable, serviceable and are supplied complete with mounting brackets.

TECHNICAL SPECIFICATIONS

·Agent: 3% Synthetic or AFFF foam
·Stored pressure for enhanced reliability and efficiency
·Pre-checked, weighed and ready for use
·Pressure gauge for visual inspection
·Safety pin to prevent inadvertent discharge
·Supplied with wall mounting bracket
·Tough alloy steel cylinder
·Corrosion-resistant coating
·Fully refillable and serviceable
·Spare parts available

ASSORTMENT

2kg and 4kg foam fire extinguishers
6kg, 9kg and 12kg foam fire extinguishers
25kg and 50kg foam fire extinguishers

BIOVERSAL QF-R FIRE EXTINGUISHERS

GENERAL DESCRIPTON

Bioversal QF-R is a special and world-wide unique biochemical composition, destined to offer a complete range of high performance fire extinguishing solutions for Class A/B/F-K handheld fire extinguishers, fire extinguishing systems, foam water sprinkler systems and water mist systems. Bioversal QF-R is a liquid concentrate, which is used as an aqueous premix at 3%-6%-10% concentration in fire extinguishers and fire suppression systems.

Ideal for a variety of commercial and industrial applications, such as chemical plants, oil refineries, solvent and hydrocarbon storage areas, paint production and storage areas, aviation hangars, warehouses. All fire extinguishers are fully rechargeable, serviceable and are supplied complete with mounting brackets.

TECHNICAL SPECIFICATIONS

·High environmental compatibility and protection
·Internationally approved and listed as a high performance fire extinguishing foam
·Extremely effective through simultaneous action on temperature, fuel, oxygen and chemical chain reaction
·Harmless in contact with human skin and eyes, dermatologically tested according cosmetic requirements
·AFFF capabilities, excellent heat resistant foam characteristics
·Temporary fuel neutralization and VOC mitigation
·Multi -Use: fire-protection+cleaning+anti-pollution
·Enhanced smoke visibility
·Intensive cooling
·Long durability
·Low ecotoxicity
·Pre-checked, weighed and ready for use

ASSORTMENT

6 KG - 9 KG and 12 KG foam fire extinguishers

HALOCARBON FIRE EXTINGUISHERS

GENERAL DESCRIPTON

Halogenated or Clean Agent fire extinguishers include the halon agents as well as the newer and less ozone depleting halocarbon agents. They extinguish the fire by interrupting the chemical reaction and/or removing heat from the fire triangle. Clean agent extinguishers are primarily for Class B and C fires. Some larger clean agent extinguishers can be used on Class A, B, and C fires. Clean agent fire extinguishers are specifically designed to combat electrical fires while preserving your delicate electrical and electronic equipment.

Manufactured in accordance with TS 862-7 EN 3-7 standard, Halocarbon Type Fire Extinguishers ideal for industrial and commercial applications, such as server rooms, telecommunication centers, cellar network stations, museums, offices, archives, warehouses.
All fire extinguishers are fully rechargeable, serviceable and are supplied complete with mounting brackets.

TECHNICAL SPECIFICATIONS

·Agent: UL listed, FM approved HFC236fa or HFC227ea halocarbon gas.
·Stored pressure for enhanced reliability and efficiency
·Pre-checked, weighed and ready for use
·Pressure gauge for visual inspection
·Safety pin to prevent inadvertent discharge
·Painted with electrostatic powder paint
·Supplied with wall mounting bracket
·Tough alloy steel cylinder
·Corrosion-resistant coating
·Fully refillable and serviceable
·Spare parts available

ASSORTMENT

1kg and 2kg Halocarbon type fire extinguishers
4kg and 6kg Halocarbon type fire extinguishers

CARBON DIOXIDE (CO2) FIRE EXTINGUISHERS

GENERAL DESCRIPTON

Carbon dioxide is a non-conductive and non-corrosive gas used to reduce the amount of oxygen available to the fire. Carbon dioxide is extracted from the atmosphere and stored at high pressure in the liquid state within a fire extinguisher. Carbon Dioxide Fire Extinguishers are designed to protect areas where Class B (flammable liquids and gases) or Class C (energized electrical equipment) fires could occur. They may be used indoors where winds and drafts do not affect discharge or where a clean suppressing agent is required.

Manufactured in accordance with TS 862-7 EN 3-7 and TS EN 1866-1 standard, Carbon Dioxide Fire Extinguishers ideal for industrial and commercial applications, such as electronic factories, ships, electrical and generator plants or rooms, server rooms, aviation hangars, paint spray booths, quench tanks, laboratories, electronic equipment, low voltage electrical equipment, municipal fire departments. It is a clean extinguishant agent and does not leave any residue after it has been discharged.

TECHNICAL SPECIFICATIONS

·Agent: Carbon dioxide (CO2) gas.
·Non-corrosive, non-conductive, clean suppressing agent leaves no residue
·Steel shell has a fluted base design which resists corrosion for a longer service life
·Stored pressure for enhanced reliability and efficiency
·Pre-checked, weighed and ready for use
·Painted with electrostatic powder paint
·Tough alloy steel cylinder
·Corrosion-resistant coating
·Simple operation and maintenance
·Fully refillable and serviceable
·Spare parts available

ASSORTMENT

2kg and 5kg carbon dioxide fire extinguishers
10kg and 30kg carbon dioxide fire extinguishers

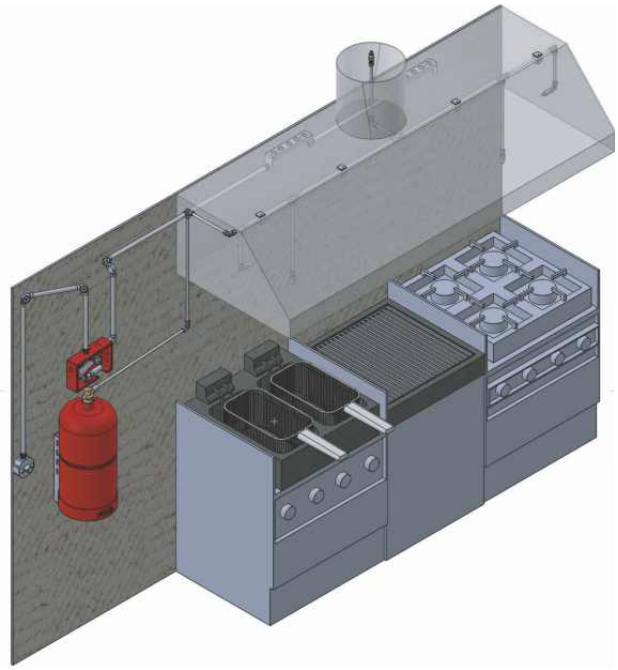
DAVLUMEX®

KITCHEN FIRE SUPPRESSION SYSTEMS

Hood extinguishing systems; assist in extinguishing the fires occurring in the areas where hoods are used. If a fire begins in the hoods, this system intervenes the spot where the fire breaks out by taking control of safety.
Upon automatically activation of the system, potassium carbonate based-liquid with low PH level developed specifically for such fires spreads over the related area in a short time.

It blocks the contact of flame with oxygen by sending liquid nozzles in the form of foams to the relevant area.
It prevents a little fire which breaks out in a kitchen from spreading over the entire space and precludes the expansion of the event by intervening the fire at the very beginning.

When the system is switched on, the gas line to the device is immediately disconnected. Thus, the hood extinguishing systems interfere with a small but dangerous fire that starts in the kitchen and prevents the fire from spreading. Also, because oil fires produce too much smoke, the hood automatically opens to remove smoke from your kitchen. DAVLUMEX latest UL 300 fire suppression systems, you won't have to worry about fires because these systems provide 24 hour fire protection, detection and suppression. The extinguishing agents provide fast fire extinguishing and prevent fire re-flash. A hood extinguishing system can be installed not only in restaurants or large kitchens, but also in apartment buildings and even in student residences. Investing in kitchen hood extinguishing systems is more economical than repairing fire and smoke damage.



KITCHEN FIRE SUPPRESSION SYSTEMS

According to surveys, 57% of all restaurant fires are caused by cooking equipment. Oil fires are a important risk for industrial kitchens because they cannot be inextinguishable with water.

In hoods that are not cleaned regularly, the density of flammable substances such as oil increases. this increases the risk of fire because the oil is the most easily flammable fuel consumption.

Oil fires caused economic loss, injury and death. The cooking temperature of the cooking oils used in frying changeable. Autoignition temperature can comprise at any range from 285 ° C to 385 ° C. For this reason, fire extinguishing systems have been developed in order to detect and extinguish such fires during the initial phase. The use of hood firing systems is guaranteed by regulations and inspected.

ADVANTAGES AND BENEFITS:

- User friendly and environmentalist
- Cost and labor is low
- Advantage of easy cleaning, maintenance and refilling
- Through the flue nozzles, it provides the opportunity for simultaneous intervention for ventilation and chimney parts.
- Adaptable design for every kitchen type
- UL Listed (UL 300 compatible) and CE Marked
- Manual and automatic button, eliminates the need for specially trained staff
- Made of chrome nickel against rust and corrosion.

FIELDS OF APPLICATION:

- Restaurants
- Hotels
- Shopping Malls
- Schools
- Hospitals
- Factory Kitchens
- Industrial Plants
- Airports

WATER BASED FIRE SUPPRESSION SYSTEMS

GENERAL DESCRIPTON

Sprinkler systems are used for automatic fire fighting, to protect life and property. The operating principle is straightforward and reliable. These systems utilize the inexpensive and readily available medium of water to discharge onto flames through a normally fixed piping system. There are 4 main types of water based protection systems. The hazard / risk to be protected will determine the most suitable type of system you need.

The functionality of sprinkler systems

In the case of sprinkler systems, the pipe networks are equipped with sealed nozzles that open individually when heated and the fire water spray is targeted to the fire source. You can fight or extinguish the fire directly at the source as a result of the resulting cooling effect of water evaporation and the subsequent exclusion of air due to the mist. An extinguishing operation is triggered in case of a temperature rise directly at the sprinkler head. This is achieved by the expansion of a liquid or by the separation of a solder joint. The response sensitivity can be influenced by the design of the sprinkler. An extensive pipeline network with a closed extinguisher nozzle protects the relevant areas. An adequate water supply is provided from compressed air containers, elevated tanks, mains water, master or intermediate containers with pump systems or various combinations of the systems stated above.

The extinguishing principle

In case of fire, one or more sprinklers in the fire area open automatically as a result of the heat. The extinguishing water escapes under pressure and is sprayed on a sprinkler plate; it is then distributed as parabolic drizzle on the fire. In parallel to the opening of the sprinkler an alarm bell and an alarm message will be triggered. Depending on the version of the system, the extinguishing water is first supplied via a compressed air water tank. If the pressure drops, the sprinkler pump is switched on, which pumps the extinguishing water from a water tank.

ADVANTAGES AND BENEFITS:

Cost-effective
Reliable
Environmentally friendly

FIELDS OF APPLICATION:

- Shopping centers and exhibition halls
- Logistics centers and warehouses
- Industrial plants
- Parking garages
- High buildings
- Hospitals
- Hotels
- Airports
- Offices

FM200 (HFC-227ea) FIRE SUPPRESSION SYSTEMS

GENERAL DESCRIPTON

FM-200® is a clean, colorless, and environmentally friendly fire suppression agent that is electrically non-conductive and safe for humans. The FM-200 system is ideal for areas occupied by personnel and containing assets that could be damaged by water. The low concentration of agent required and low toxicity means less visual obscuration and minimal risk to people. The colorless, odorless gas leaves no residue, eliminating post-fire agent cleanup and minimizing downtime. It extinguishes flames primarily through heat absorption, leaving no residue, thus minimizing downtime after a fire and making FM-200 suppression systems accepted and respected worldwide.

The FM-200 Fire Suppression System is an engineered system utilizing a fixed nozzle agent distribution network. When properly designed, the FM-200 system will suppress surface burning fire in Class A, B, and C hazards. 80% of FM-200 fire fighting effectiveness is achieved through heat absorption and 20% through direct chemical means (action of the fluorine radical on the chain reaction of a flame). Both automatic and manual actuators are available for release of the agent into the hazard area through fixed piping and nozzles. Each nozzle is sized to ensure the correct flow of agent for the hazard and available in seven sizes with seven or eight ports for either 180 or 360 degree horizontal discharge patterns respectively. For large hazards, agent containers can be connected to a common manifold.

ADVANTAGES AND BENEFITS:

Less visual obscuration and minimal risk to personnel
Suitable for protection on a range of high value risks
Colorless, odorless clean agent leaves no residue
Requires minimal container storage space
Suppresses Class A, B and C fires
Safe for use in occupied areas
Zero ozone depleting potential
Low global warming potential
Short atmospheric lifetime
Detects fire in early stages
Electrically nonconductive
Simplified installation

FIELDS OF APPLICATION:

- Telecommunication facilities
- Transformer and switch rooms
- Museums and historical archive storage
- Pharmaceutical and medical facilities
- Records and data archives
- Flammable liquid storage
- Offshore drilling rigs
- Robotic equipments
- Textile manufacturing
- Military vehicles
- Control rooms
- Bank vaults, Laboratories, Libraries

NOVEC 1230 FIRE SUPPRESSION SYSTEMS

GENERAL DESCRIPTON

3M™ Novec 1230 Fire Protection Fluid is a next-generation halon alternative designed to balance industry concerns for performance, human safety and the environment, which makes Novec 1230 fluid the first option to sustainable technologies. It combines outstanding extinguishing performance with an excellent environmental profile. Novec 1230 fire protection fluid has zero ozone depletion potential. The atmospheric lifetime of Novec 1230 fluid is estimated to be in the range of 3-5 days and with a global warming potential of 1, it is considered that the Novec 1230 fluid has no measurable impact on climate change. Novec 1230 fire protection fluid extinguishes fire primarily by removing heat from the fire. It is also electrically non-conductive.

The primary extinguishing mechanism of Novec 1230 fluid is heat absorption, with a secondary chemical contribution from the thermal decomposition of Novec 1230 fluid in the flame. Novec 1230 fluid leaves no residue and is safe for use in occupied spaces. Ozone Depletion Potential (ODP) – Novec 1230 fluid is a highly fluorinated ketone containing no chlorine or bromine. As a result, the ODP for Novec 1230 fluid is zero, meaning it has no effect on stratospheric ozone.

ADVANTAGES AND BENEFITS:

Zero ozone depleting potential
Negligible global warming potential
Safe for use in occupied areas
Requires minimal storage space
Less visual obscuration and minimal risk to personnel
Colorless, odorless clean agent leaves no residue
Safe for use in occupied areas
Short atmospheric lifetime
Electrically nonconductive
Simplified installation

FIELDS OF APPLICATION:

•Oil & gas petrochemical facilities
•Manufacturing Facilities
•Telecommunication facilities
•Transformer and switch rooms
•Museums and historical archive storage
•Pharmaceutical and medical facilities
•Records and data archives
•Flammable liquid storage
•Offshore drilling rigs, Robotic equipments
•Textile manufacturing
•Storage areas
•Military vehicles
•Control rooms
•Bank vaults
•Laboratories

CARBON DIOXIDE (CO2) FIRE SUPPRESSION SYSTEMS

GENERAL DESCRIPTON

Under normal atmospheric temperature and pressures, carbon dioxide exists as a colorless, odorless gas which is about 1,5 times heavier than air. Carbon dioxide will not burn or support combustion and will not sustain life. When confined within a suitable pressure vessel and depending on temperature and pressure conditions, carbon dioxide can exist in any of three stages of matter; solid, liquid and gas. CO2 fire extinguishing systems are available in both versions high pressure and low pressure. In high pressure CO2 fire extinguishing systems, the extinguishing agent is stored in cylinders up to 70 bar pressure. In low pressure CO2 fire extinguishing systems, the extinguishing agent is stored in special refrigerated tanks, at 18 bar pressure.

Carbon Dioxide fire protection systems are available for use in total flooding or local fire protection applications – making it an effective fire protection system for a wide variety of hazards. CO2 fire extinguishing systems are able to extinguish quickly any type of fire in areas not occupied by personnel, allowing the recovery, in a very short time, of all working operations because it does not leave any residue in the environment after its use. When applied to a fire, CO2 provides a heavy blanket of gas that reduces the oxygen level to a point where combustion cannot occur. CO2 fire extinguishing system is extremely versatile and effective on a wide range of flammable and combustible materials and approved for Class A, B and C hazards. After the extinguishing, the area involved must be adequately ventilated, considering that CO2 is heavier than air and it is concentrated in low-lying areas.

ADVANTAGES AND BENEFITS:

Fast-Within seconds, CO2 penetrates the entire hazard areas to smother the combustion.
Environmentally Friendly-CO2 exists as a gas in the earth's atmosphere and is one of the by-products of combustion. Its use has no environmental impact.
Non-damaging-CO2 does not cause spoilage, requires no clean up and leaves no residue.
Non-conductive-CO2 is electrically non-conductive, allowing use for a wide variety of special applications.
Adaptive-CO2 is effective on a wide range of flammable and combustible materials.

FIELDS OF APPLICATION:

- Paint and varnish manufacturing and processing areas
- Powder coating and painting boots
- Transformers and substations
- Rolling mills and turbines
- False floors and cable shafts
- Engine test benches and Ship engine room / compartments
- Power generation
- Metal production and processing
- Electronics/Computer production
- Data processing centers

INERGEN FIRE SUPPRESSION SYSTEMS

GENERAL DESCRIPTON

Inert gas 541, better known as Inergen is a mixture of 52% Nitrogen, 40% Argon and 8% CO2. However, in the event of a fire, when Inergen is discharged, it mixes with the air present in the room to create a mixture that comprises of 67.3% Nitrogen, 12.5% Oxygen, 17% Argon and 3.2% Carbon Dioxide. Inergen clean agent fire suppression systems are completely environmentally friendly and safe to use in enclosed areas where people may be present. Inergen is zero ozone-depleting, zero global warmings, and has a zero atmospheric lifetime.

Regardless of the specific agent used, fire systems need to deliver a required quantity of agent to the fire zones within a specified time. Equally important, unlike some chemical gaseous fire suppression agents, Inergen does not and could never create a reaction with a fire to create extremely harmful toxic or corrosive by-products. Inergen does not produce a heavy fog upon discharge so escape routes remain completely visible.

Inergen is an effective fire extinguishing agent that can be used on many types of fires. Inergen suppression system units are designed for total flooding protection against Class A surface burning, Class B flammable liquid, and Class C fires occurring within an enclosure by lowering the oxygen content below the level that supports combustion.

ADVANTAGES AND BENEFITS:

Cost-effective
Safe for people
Nontoxic, Composed of gases people breathe
No fog to obscure escape routes
Won't damage valuable assets
Wide range of applications
No ozone layer depletion
No global warming potential
Zero atmospheric lifetime

FIELDS OF APPLICATION:

- Laboratories
- Control rooms
- Archives
- Datacenters
- Vaults
- Process equipment
- Marine/offshore/naval
- Museums and art galleries
- Computer & Server environments
- Telecommunications/Switchgear
- Automated tape storage libraries
- Clean/specialty manufacturing
- Libraries/Archives/rare book storage
- Cultural and historical sites
- Hospital and major medical facilities
- Power generation facilities

FOAM FIRE SUPPRESSION SYSTEMS

GENERAL DESCRIPTON

Fire suppression foam is comprised of three parts: foam concentrate, water, and air. When mixed correctly, these parts form a homogeneous foam blanket that extinguishes flames by the combined mechanisms of cooling, separating the flame source from the product surface, suppressing vapors, and smothering. This makes foam suppression systems an effective option for protecting flammable and combustible liquids. Its role is to cool the fire and to coat the fuel, preventing its contact with oxygen, resulting in suppression of the combustion.

Foam extinguishing systems are the most effective fire protection for this risk area, particularly in the fire categories A and B. For maximum effectiveness the expansion ratio, discharge device and foam concentrate must be correct. Perfectly aligned components are supplied in line with the individual needs of clients and according to respective fire protection requirements: Foam sprinklers and nozzles, Foam maker/foam chamber/foam pourer, Foam monitor for external use, High expansion foam generator, Direct alarm foam, Foaming agent concentrate.

ADVANTAGES AND BENEFITS:

Many benefits can come from a foam fire suppression system. Foam is more effective than fire sprinklers at putting out hotter fires due to its ability to quickly cool a fire. It also is faster at putting out a fire which means less property damage due to fire. In addition, this form of suppression is more effective at preventing the re-ignition of a fire because it suppresses flammable vapors.

FIELDS OF APPLICATION:

- Aircraft hangars
- Petrochemical
- Oil and Gas Flammable liquid storage
- Tank farms, Loading facilities
- Warehouses
- Fuel loading racks
- Truck rail loading systems
- Chemical storage tanks
- Helicopter decks.

FIRE EXTINGUISHING FOAMS

TYPES

•Aqueous Film Forming Foam (AFFF)
•Alcohol Resistant (AR-AFFF)
•Synthetic – medium or high expansion types (detergent)
•Class "A" Foam Concentrate
•Wetting Agent
•Fluoroprotein
•Protein
•Film Forming Fluoroprotein (FFFP)

AQUEOUS FILM FORMING FOAM CONCENTRATE (AFFF):

AFFF generates foam and formed invisible film on the hydrocarbon surface . This film is very fluidal and floats on the surface of most hydrocarbon fuels. The film formed by AFFF spreads rapidly on the surfaces of hydrocarbon fuels, extinguishes the fire effectively and makes cooling and forms a cover for passing flammable vapors. AFFF foams are mainly used in oil refineries, fuel tankers, fuel storage facilities. It can be applied with low, medium and very low expansion nozzles. 3%- 6% types AFFF are available.

SYNTHETIC / DETERGENT FOAM CONCENTRATE

This type of foam concentrate is manufactured from a combination of hydrocarbon surfactants and solvents. High expansion foam solution is normally used through devices that give high expansion ratios such as the medium or high expansion type foam generators. It can be foamed 1000: 1 through high expansion generators.

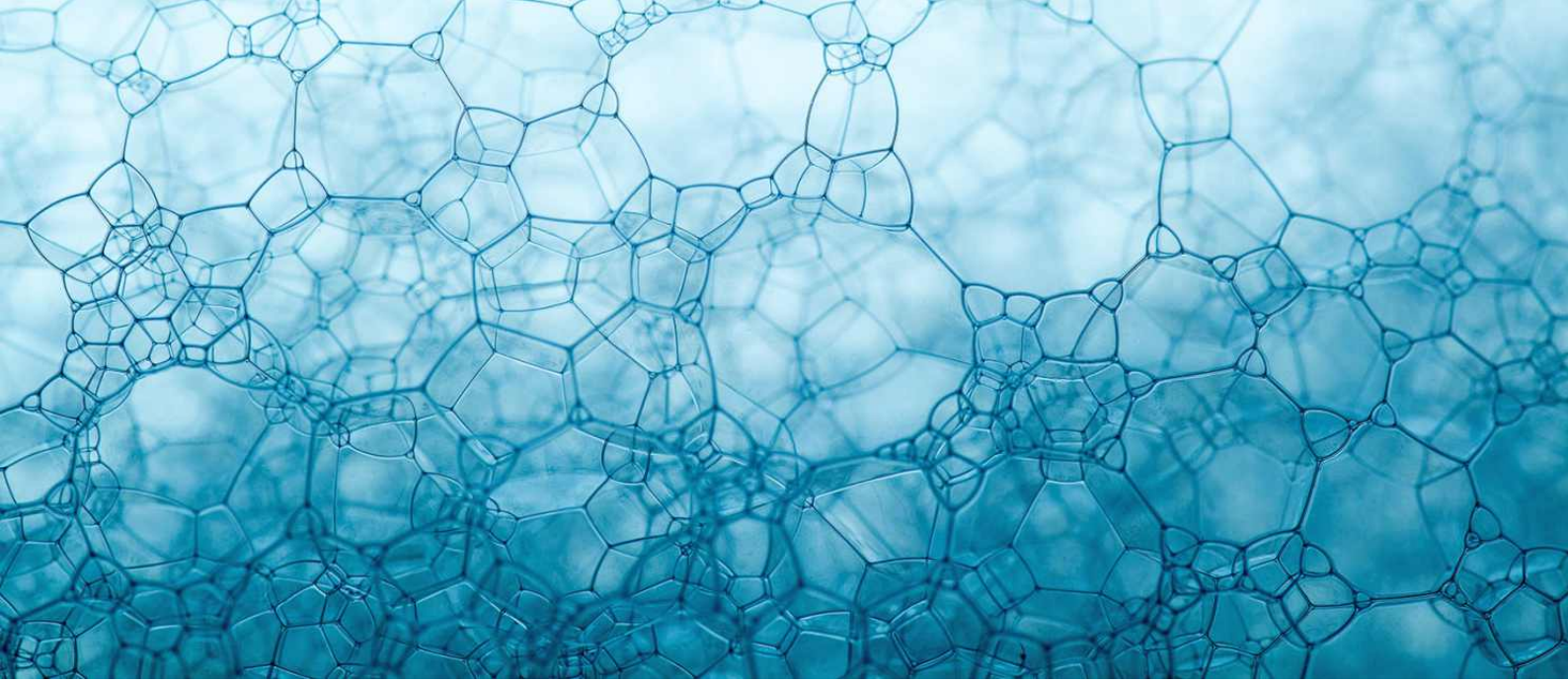
Fire control and extinguishing are achieved by rapid smothering and cooling. This type of foam provide maximum protection in wide areas. It is especially recommended for use in warehouses, hangars, machine rooms, ship decks, mines and basements. 1.5% 2%, 3% and 6% types are available

CLASS "A" FOAM CONCENTRATE:

It is a foam which is especially produced for A class fires and can be applied in systems such as fire trucks, CAFS system vehicles, fire fighting planes, helicopters due to its ability to mix with water between 0.1-1%.

WETTING AGENT:

This type of agent increase wetting effectiveness of the water but do not have create foam. Potassium based fire extinguishing liquid concentrate are used in kitchen hood fires.



FLUOROPROTEIN FOAM CONCENTRATE (FP):

This product is manufactured using the same method as Protein but with the addition of fluorocarbon surfactants. The advantages of fluoroprotein foams are that they provide faster flow on the fuel surface, suppression force and extinction ability over protein foams. Available in either a 3% or 6% type of concentrate

MARINE	OIL USED IN KITCHEN	EXAMPLES OF APPLICATION AREA
X		Class B hydrocarbon fuel fires, petroleum and petroleum products, oil refineries, fuel tankers, fuel storage facilities
X		Refineries, pharmaceutical plants, process areas, solvent fires such as alcohol, isopropanol, ethyl acetate, toluene etc.
		Warehouses, hangars, machine rooms, ship decks, mines and basements.
		Fire trucks, CAFS system vehicles, fire fighting planes, helicopters Class A fires, such as paper, tires, and wooden structures, as well as wildland.
	X	Kitchen hood fires
X		Class B hydrocarbon fuel fires, petroleum and petroleum products
X		Class B hydrocarbon fuel fires, petroleum and petroleum products
X		Especially in oil refinery and petrochemical plants

FIRE PUMPS

GENERAL DESCRIPTON

The most important of the active fire protection systems those exist in the commercial and industrial buildings are water-based fire fighting systems (automatic sprinklers, indoor fire cabinets, outdoor hydrants, spraying, fogging and foaming systems, etc.) and they are designed to operate at a maximum of 25 bar operating pressure.

The fire-pump delivers the water via the pipe-system to the fire sprinklers to suppress the fire. Fire pumps are powered either by an electric motor or a diesel engine or sometimes by a steam turbine. It is of vital importance that fire pumps that are accurately designed in order to pressurize the water-based fire fighting systems and keep them ready to be used at any time exist in the system so that the loss of life and property can be minimized.

Our expert engineering team assists you in identifying the right pump set for your project. Our products are delivered as full sets including an electrical/diesel engine, a pilot pump, an electrical/ diesel control panel, an individual modular chassis for each pump or connectors on a common chassis, and all the required accessories.

TYPES OF PUMPS

- Horizontal split case
- Vertical split case
- Vertical inline
- Vertical turbine
- End suction

FIELDS OF APPLICATION:

- Industrial Plants
- Oil and gas storage areas
- Factories
- Boiler rooms
- Warehouses



FIXED FOAM-WATER MONITORS

GENERAL DESCRIPTON

AYG offers an extensive range of firefighting monitors, which set new standards of performance for high-risk environments. Firefighting monitors are installed in harsh environments and will normally remain unused for many years and then be required to operate at peak performance in an emergency.

Fixed monitors are used with foam for firefighting or with water for cooling of structures. Simple in principle they are the result of complex engineering, designed to deliver high performance after long periods of inactivity. AYG's range of fixed monitors is predominantly installed in purpose-built fire protection systems. Alternatively, they can be mounted on trailers to offer the flexibility of a mobile solution.

TECHNICAL SPECIFICATIONS

The main body of the monitors is made of ductile iron, bronze or aluminum material according to the type and model of the monitors.
The monitors have a capacity of 1.200 LPM or 2.700 LPM at a pressure of 7 kg/cm. according to the type and model of the monitors.
The water inlet is suitable for 2½" or 4" flange connection according to the type and model of the monitors.
The monitors have single or double barrels for spraying water or both water and foam according to the type and model of the monitors.
The monitor is capable of passing from foam to water and from water to foam without interrupting water supply.
The monitor moves 360º on the horizontal axis and 120º on the vertical axis.
The foam monitors are capable of proportioning the foam mixture between 1-7%.
The monitor has a spray capacity of 80-100 meters at a pressure of 10 kg/cm.
Water and foam barrels are made of aluminum alloy.
Flange studs are made of stainless steel.

FIELDS OF APPLICATION

•Refineries	•Chemical industry	•Port facilities	•Combustion plants	•Aircraft maintenance hangars
•Warehouses	•Fuel depots	•Oil platforms	•Fire fighting boats	•Tanker and container ships

TRAILER MOUNTED FOAM-WATER MONITOR WITH STORAGE TANK

GENERAL DESCRIPTON

Trailer mounted water/foam monitor is a rugged storage tank which is designed to be utilized where high flows of water or foam are required. Mobile water/foam monitors are used to protect remote areas or locations which are inadequately covered by fixed monitors. These monitors are highly mobile and can easily be towed to the emergency site to cool down the fire. It should be equipped by the firefighting industry located in remote areas, petrochemical and oil refineries as well.

Water/foam monitor is mounted on trailer with foam concentrate storage tank. Trailer is having two wheel pneumatic tires. The unit can be easily maneuvered by two persons or pulled behind by light truck or jeep. Low profile design for safety and stability. Four stabilizer leg for added safety. The foam concentrate storage tank is made of Stainless Steel. The tank capacity can be 200 to 1000 liters.

TECHNICAL SPECIFICATIONS

The main body of the monitor is made of ductile iron.
Flange studs are made of stainless steel.
The monitor has the double barrel for spraying both water and foam.
Water and foam barrels are made of aluminum alloy.
The monitor has a capacity of 2.700 LPM at a pressure of 7 kg/cm.
The monitor moves 360º on the horizontal axis and 65º on the vertical axis.
There is an indicator (0-25 kg/cm) on the body outlet indicating the outlet pressure.
The foam monitor is capable of proportioning the foam mixture between 1-7%.
The monitor has a spray capacity of 80-100 meters at a pressure of 10 kg/cm.
The water inlet is suitable for 4" flange connection.
The monitor is capable of passing from foam to water and from water to foam without interrupting water supply.
The front and rear of the trailer are equipped with a reflector, a spring-loaded drawbar and a braking system for connecting to the car.
The monitor has a chrome nickel tank with 450 liters foam capacity.

FIELDS OF APPLICATION:

- Refineries
- Combustion plants
- Chemical industry
- Aircraft maintenance hangars
- Fuel depots
- Port facilities
- Tanker and container ships
- Fire fighting boats
- Oil platforms.

MOBILE FOAM UNIT

GENERAL DESCRIPTON

The innovatively designed AYG Mobile Foam Unit is a fully self-contained mobile foam unit which has been specifically developed for the rapid deployment of foam extinguishing agent to fires and chemical spills. Further refinement has been achieved through a detailed ergonomic review and a lower center of gravity design, resulting in improved handling and mobility.

All component parts and materials have been chosen to minimise maintenance requirements. The unit is a combination of the best – suitable for any type of foam, for rapid intervention where vapor suppression of chemical spills is required, coupled with low maintenance cost.

TECHNICAL SPECIFICATIONS

It is a self contained unit with foam generator, foam branch pipe, foam concentrate storage tank and two lengths of lay-flat fire hoses.

It requires only connection to a suitable water supply.

It is easy to operate, move and requires minimum manpower.

Foam concentrate storage tank is made out of fiberglass.

The foam branch pipe and fire hoses are mounted on the concentrate storage tank.

The foam generator is clamped rigidly on the storage tank.

The complete unit is mounted on two wheels with a handle for easy movement. Mobile Foam Unit has a concentrate storage tank with the capacities from 120 liters to 150 liters.

FIELDS OF APPLICATION:

- Industrial Plants
- Factories
- Loading terminals
- Oil storage areas
- Boiler rooms
- Engine compartments
- Areas are susceptible to chemical spills
- Warehouses
- Airports.

FOAM CHAMBERS

GENERAL DESCRIPTON

Foam chambers are air-aspirating foam discharge devices that are used to protect various types of flammable liquid storage tanks including open top floating roof tanks and cone roof tanks with or without internal floaters. The application of foam is on the basis that the risk comprises the total surface area of the fuel. Foam chambers are defined by NFPA 11 as Type II discharge outlets for delivering foam to the surface of a flammable liquid.

The foam chamber is installed inside a flammable liquid storage tank above the product's highest liquid level. The chambers are designed to meter foam flow, then gently expand and deliver foam directly onto the surface of a flammable or combustible liquid. The foam solution is piped to the chamber from outside the hazard area. Upon entering the chamber, the foam solution is expanded and then discharged against a deflector inside the storage tank. The deflector directs the foam against the inside wall of the storage tank. This reduces the submergence of the foam and agitation of the fuel surface.

Foam chamber size, number of foam chambers required, deflector type and orifice size are project dependent. When ordering, please provide the following information: Product in the storage tank, Tank configuration, Tank diameter, Full surface or seal protection, Height of foam dam (seal protection).

TECHNICAL SPECIFICATIONS:

The flow rate of the foam chamber is determined by the orifice size and the inlet pressure. The flow ranges listed in the following table are based on 7 bar using the smallest orifice for the minimum flow.

DESCRIPTION	FLOW RATE (7 BAR)	SIZE
Foam Chamber	115-335 LPM	50NB
Foam Chamber	305-700 LPM	65NB
Foam Chamber	610-1345 LPM	80NB
Foam Chamber	1200-2600 LPM	100NB

Test Pressure: 25 BAR
Working Pressure: Min. 3BAR / Max 7BAR
Connection Flange: DIN
Material: Steel
Colour: Yellow or Red

AYEX	ABC TYPE DRY CHEMICAL POWDER	MONO AMMONIUM PHOSPHATE (MAP) 40%	MONO AMMONIUM PHOSPHATE (MAP) 90%
	COLOUR	YELLOW	YELLOW
	AMMONIUM PHOSPHATE (MAP) RATE (%)	41.8	91.1
	AMMONIUM SULFATE (AS) RATE (%)	57.4	8.4
	DENSITY (g/cm)	0.84	0.83
	WATER CONTENT (%)	0.16	0.17
	AGGLOMERATION RESISTANCE	APPROVED	APPROVED
	WATER ABSORPTION	APPROVED	APPROVED

ABC TYPE DRY CHEMICAL POWDER (AYEX)

GENERAL DESCRIPTON

Manufactured in accordance with TS EN 615 standard, Ayex ABC 40 and Ayex ABC 90 are efficient ABC type dry chemical extinguishing powder. It is based on mono-ammonium phosphate, the best known and effective multipurpose extinguishing agent. The active ingredient is mixed with silicone additives to improve their fluency and makes it resistant to extreme weather conditions. It may be used in both, hand portable and wheeled extinguishers, vehicles and fixed systems. The use of nitrogen as propellant is advisable.

APPLICATIONS

Ayex dry chemical powder is a multipurpose fire extinguisher powder. It is used in:
Class A fires: Fires originated by solid combustibles such as wood, paper, fabric, plastic and most kinds of trash.
Class B fires: Fires whose fuel is flammable or combustible liquid or gas
Class C fires: Fires involving potentially energized electrical equipment.

TOXICITY

Ayex dry chemical powder does not contain harmful ingredients. Under normal conditions of use, it is environmental friendly and non-toxic to humans and animals.

APPEARANCE

Ayex dry chemical powder is a light yellow, free flowing, hydrophobic powder. Other colors are available upon request.

STORAGE

Demsa ABC 40 is formulated for long term storage; it may last up to five years without losing its efficiency. However, the powder's integrity depends on the prevalent storage conditions. It is highly recommended to store in temperatures between 4°C to 49°C (ideal storing temperature is 20°C +/- 2°C), dry places (60% +/- 5% relative humidity), avoid sudden weather conditions changes. Do not stack the pallets, handle the packages with care and maintain the product in its original, tight sealed packaging until use.

PACKING

The most common presentations of Ayex dry chemical powder are:
- 25 kg polyethylene double bag
- 1000 kg bulk big bag

NANOFIREX THROW TYPE FIRE EXTINGUISHER

Nanofirex is throw type that is identified with boron minerals that do not contain FLOUROCARBON. It can be used all kind of areas have possibility of fire. . It is highly effective beginning of Class A,B, C type fire.

It is disposable with child-proof lid and a special design bottle which can be easily broken when hit a hard floor. Does not contain any toxic materials.

In the event of fire, there is usually dark environment as the electricity cut off. Nanofirex's special bottle turns the user stored energy into the light, illuminates where it is and user easily finds.

NANOFIREX THROW TYPE LIQUID FIRE EXTINGUISHER is convenient in terms of transportation and application time compared to other fire extinguishers, because it is placed on the surface of the wall and mounted to give decorative apperance.

Not only can use all ages of people easily, but also throwing the center of fire is just enough. NANOFIREX THROW TYPE FIRE EXTINGUISHER is patent protection as a product of intensive R&D work.

FIELDS OF APPLICATION:

- Hospitals
- Public Transportation
- Schools
- Houses
- Kindergarden
- Univercities

NANORIFEX NON-INFLAMMEABLE 2000C

NANOFIREX NON-INFLAMMEABLE 2000C is water-based paint with superior properties based on inorganic resin,which produce combination properly with natural-inorganic compound and filling materials,both penetrate into the applied surface and give a chemical reaction.

PROPERTIES

* NANOFIREX NON-INFLAMMEABLE 2000C does not burn, melt, blister, crack, spill down to 2000 ° C.
* Increases the strength of the concrete surface by 38%.
*NON-INFLAMMEABLE 2000C based compeletely natural raw materials.
*Does not releases poisonous gases during the fire. (95% of fire victims lose their lives because of smoke poisoning.).
*NON-INFLAMMEABLE 2000C is not damaged by UV rays of the sun.
*Certificates; TS 5808, TS EN 13501-1 (A1 level), TS EN ISO 1716, TS EN 13823 A1, Surface pressure analysis reports from University,
* Analysis reports from accredited labrotories about fire protection properties. Conform the standards of UL94 - V2, TS EN 13501-1, DIN 4102, EN ISO 11925-2 As a result of the tests carried out internationally.

NANOFIREX FIRE-PROOF SOLUTION

NANOFIREX FIREX-PROOF SOLUTION is the special solution which creates invisible film layer on the applied surface and prevents burning when it reacts with flame. In this case, when the applied material is exposed to fire,no flammability occurs.

It can be applied to all absorbent surfaces,providing ease of use in terms of usage. Besides, It can be used safely on any absorbent surface (wood,non-synthetic textile products, paper, sponge, cotton, fabric etc.) It is Colorless and odorless.

NANOFIREX FIRE-PROOF SOLUTION does not change the color of applied surface like yellowing and does not release or smoke toxic gases.

Because of ecologycal feature,there is no known harmful affect to environment. The material is applied by air spraying,airless spraying or immersion method according to the absorptivity of the applied surface.

EMERGENCY DIRECTIONS

Emergency directions use to reach exits easly, at all buildings with more than one exits. In case of emergency, it is essential to place emergency exit signs with the way everyone can see the location of evacuation exits and exit ways from each points in the buildings.

FIRE DETECTIONS and ALARM SYSTEM

There are several options for a building's fire detection and alarm system. The ultimate system type, and selected components, will be dependent upon the building construction and value, it's use or uses. the type of occupants, mandated standards, content value, and mission sensitivity. Contacting a fire engineer or other appropriate professional who understands fire problems and the different alarm and detection options is usually a preferred first step to find the best system.

GLASS BREAKER CAMKIR

GENERAL DESCRIPTON

In public transportation, it is difficult to reach the emergency exit in case of an accident. Glass is the only way to leave out of the endangered area. Camkir is a safety device used in vehicles or buildings to break through window glass in an emergency. Camkir is an automatic glass breaker that is glued and mounted on the glass of public transportation. It has an advanced automatic mechanism that can break the glass without human strength. Camkir can be purchased by consumers in store for their vehicles, homes, hotels, etc. to provide a means of escape should the doors/windows become unusable, such as in a collision, if the vehicle falls into the water and is sinking or there is a fire within a building.

GENERAL SPECIFICATIONS

•User-friendly design •Quick-and-easy-to-install •Cost-effective •Advanced automatic mechanism technology

FIELDS OF APPLICATION:

•Buses •Midibuses •Metro •Tram •Hospitals •Minibuses •Metrobuses •Train •Schools •Universities

FIREFIGHTER EQUIPMENT

In view of hazards at the firefighters working environments and health deteriorating risk factors, the equipments that meet the quality standards provide maximum security in respect of the protection paths.

AUTOMATIC SCAFFOLDINGS

REO LIFT has integrated, by taking significant steps, its construction sector experience that obtained over many years with its well-equipped, sector-dominated staff so as to carry on such experience to automatic scaffolding systems, cargo and personnel lifts, and has started its operation.

Our company which manufactures, rents and repairs cargo and personnel lift apart from the production, leasing and repair of automatic scaffolding systems under REO LIFT brand CARRIES YOU SAFELY by keeping its standards at the international level so as to provide safe and speedy work for our valuable customers.

R 1000 SINGLE MAST (TOWER) AUTOMATIC SCAFFOLDING

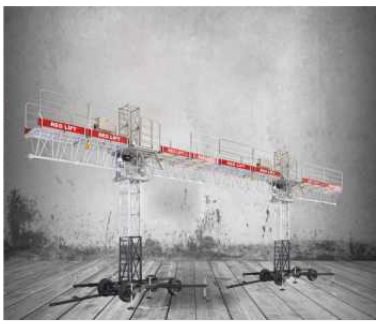
It could be used for all kind of external wall applications such as painting, plaster, jacketing and marble covering, and glass, aluminum and facade works of construction projects. It is the only machine, which you could find various properties in terms of safety and comfort of use at the same time.

•The lenght is adjusted according to needs (10.3 Meters)
•Extensions are available for recessed protrusions.
•It could be easily installed by two persons onto 25 meter high building in 2 hours.

R 2000 DOUBLE MAST (TOWER) AUTOMATIC SCAFFOLDING

The dual working platform is very suitable for wide-sided and high-rise projects. Together with its high-level job safety; it could provide you better performance.

•The maximum length is 30 meters.
•Extensions are available for recessed protrusions.
•It could be easily installed by four persons onto 25 meter high building in 2 hours.



RA 1000 WORKER AND FREIGHT LIFT

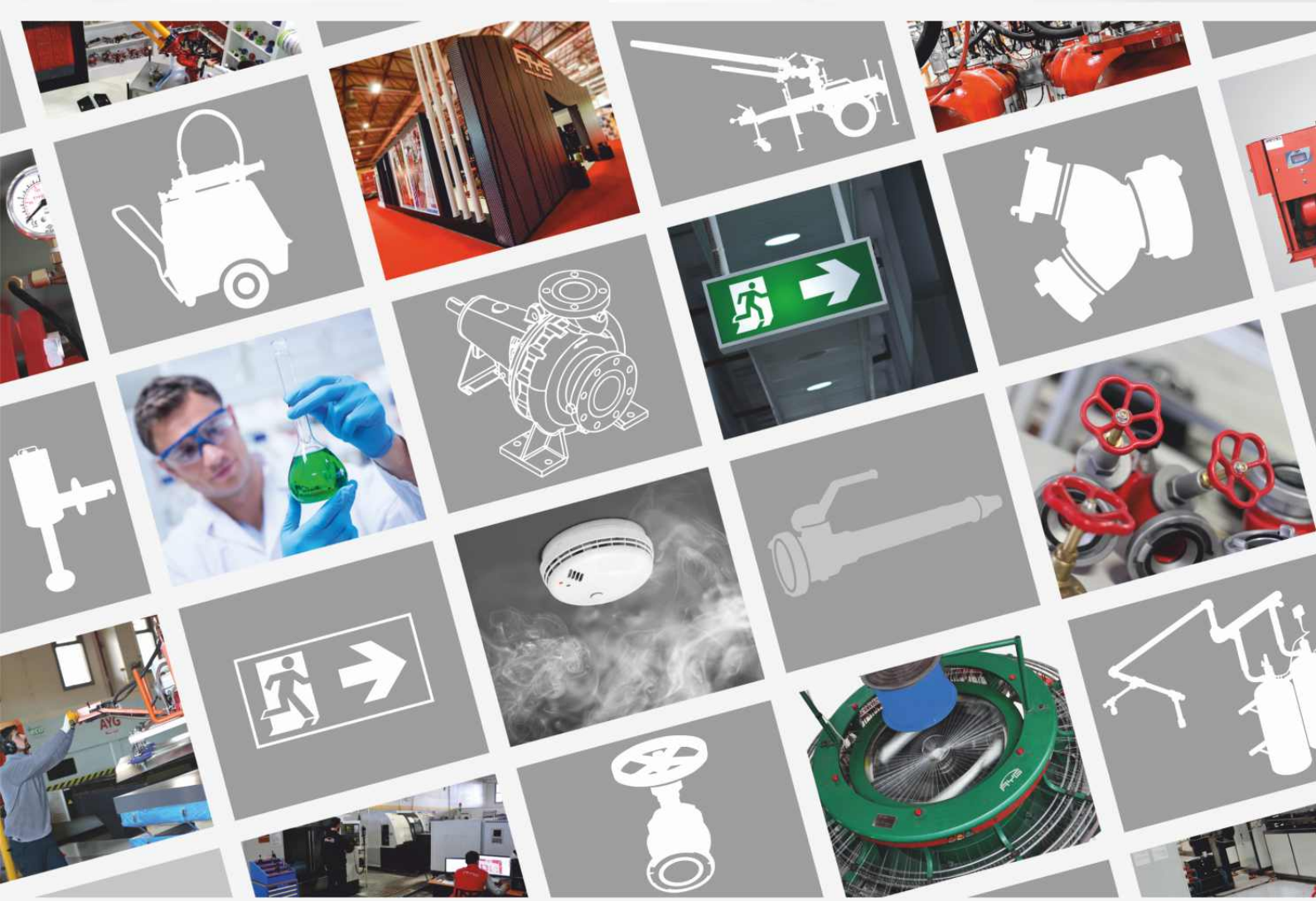
It is the elevator system installed to external walls of constructions, which enables to carry tools to be used for constructions, and to provide fast and safety passing through inter-stores. The systems that produced through high-level of engineering and production technology save time and workforce. Our Works will become more safety thanks to the software that enables to stop at each floor, and overload censors.

AYG

www.ayg.com.tr

AYG
FIRE FIGHTING & SECURITY CO.

www.ayg.com.tr



Headquarters and Factory

Yavuz Sultan Selim Cad. No:81 Ayrancılar-Torbalı / İZMİR
+90 232 257 69 40 - 41 / 257 68 10 / 854 62 94
+90 232 257 61 88 - 89
import-export@ayg.com.tr