

[www.sesscofire.com](http://www.sesscofire.com)



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**YOUR FIRST CHOICE FOR  
FIRE & SAFETY SERVICES AND  
PRODUCT SOLUTIONS**

## PRODUCT COVERAGE

### SUPPRESSION SYSTEMS

Restaurant Fire Suppression  
Carbon Dioxide System  
FE 227 or FM 200  
NOVEC 1230  
Sprinkler System

### FIRE DETECTION

Flame Detectors  
Smoke Detectors  
Heat Detectors  
Beam Detectors  
Control Panels

### EXTINGUISHERS

Foam Extinguishers  
Dry Chemical Extinguishers  
Water Extinguishers  
CO<sup>2</sup> Extinguishers

### FOAM SYSTEMS

Bladder Tanks  
Fire Monitors  
Foam Chambers  
Hose Reel  
Foam Concentrate

### GAS MONITORING SYSTEM

Portable Gas Detectors  
Fixed Gas Monitoring

### SERVICES

Inspection & Re-Certification  
Hydro Testing  
Halon Recycling  
Breathing Air Systems  
Calibrations

## APPROVALS & CERTIFICATIONS



Germanischer Lloyd



UAE Civil Defence



078



## ABOUT US

Established in 2000, SESSCO has grown to be one of the largest independent Fire Protection, Distribution and Maintenance organisation in UAE. The company supplies and services an extensive range of fire products, systems and other specialized lines, strongly supported by extensive technical knowledge and experience in most fire protection discipline.

We provide a cost-effective design of fire protection and detection systems according to international standards intended to minimize the incident of fire and averting the disasters.

Besides that, we adhere to a strict code of ethics and conduct that ensures customers receive our best attention all the times.

## VISION

To become a leader in companies that provides comprehensive solution and services in the field of fire protection, safety and security systems.

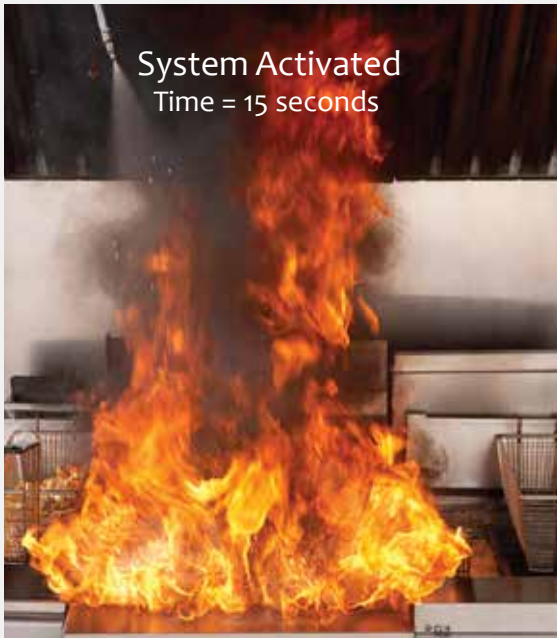
## MISSION

Our purpose is to develop and maintain long term relationship with leading local and international companies. We ensure sustainable development with high caliber staff while supporting community needs and preserving local values. It is our motto to achieve highest quality standards by encouraging and promoting team work. SESSCO is also committed to the community to minimize environmental impacts.





Fire Starts  
Time = 0 seconds



System Activated  
Time = 15 seconds



Fire Out  
Time = 17.4 seconds

## OUR PARTNERS

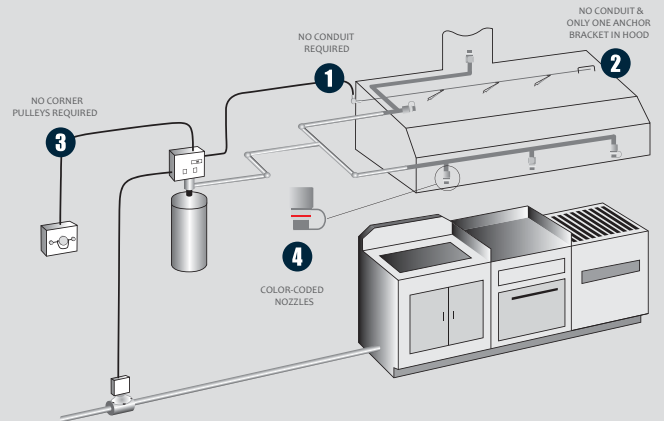


Manufacturer of the  
**World's finest fire**  
safety products.

### KITCHEN MISTER FIRE SUPPRESSION SYSTEMS TESTED AND LISTED TO UL-300

Open flames, red-hot cooking surfaces, and a heavily grease-laden environment combine to make the modern commercial kitchen a potentially dangerous fire hazard. Kitchen fires spread quickly and have proven to be very difficult to extinguish, making them the leading cause of structural fire damage. Protecting the modern commercial kitchen from the ever-present danger of cooking oil and grease fires is the reason we developed The Buckeye Kitchen Mister™ System. Utilizing state of the art misting technology, the Kitchen Mister System has proven to be the most effective fixed kitchen fire extinguishing system ever developed, extinguishing potentially deadly kitchen fires fast, before they can spread. That's why the Kitchen Mister System is quickly becoming the preferred choice of fire protection professionals throughout the world.

So before fire strikes... **DON T TAKE CHANCES - DEMAND THE BEST!**



- 1** NO CONDUIT REQUIRED  
By using Buckeye Shielded Cable no conduit is required for system inputs/outputs. Buckeye Shielded Cable is Listed for the gas valve, detection line, and pull station.
- 2** NO CONDUIT & ONLY ONE ANCHOR BRACKET IN HOOD  
The Kitchen Mister System eliminates the need for conduit in the plenum and requires only one anchor bracket in the exhaust hood.
- 3** NO CORNER PULLEYS REQUIRED  
Buckeye Shielded Cable eliminates the need for corner pulleys, making installation easy and fast.
- 4** COLOR-CODED NOZZLES  
All Kitchen Mister nozzles have a unique color band for easy identification.

Listings and approvals:  
Listed to Underwriters Laboratories Inc.  
Complies with NFPA-17A and NFPA-96 Standards  
ISO-9001 Registered



500psi / 34.5 bar  
Engineered Fire Suppression  
Using 3M™ Novec™ 1230 Fire Suppression Fluid



Regulus Pre engineered systems

Applications:

- Computer Facilities
- Telephone Equipment Facilities
- Radio and TV Communications Facilities
- Cellular Telecommunications Facilities
- Storage of Documents and other Valuables
- Hospital Facilities
- Control Rooms
- Libraries
- Test Facilities
- Museums
- Flammable Material Storage
- Wind Turbines

OUR PARTNERS

**REGULUS**  
**FIRE SYSTEMS**

by Firetrace

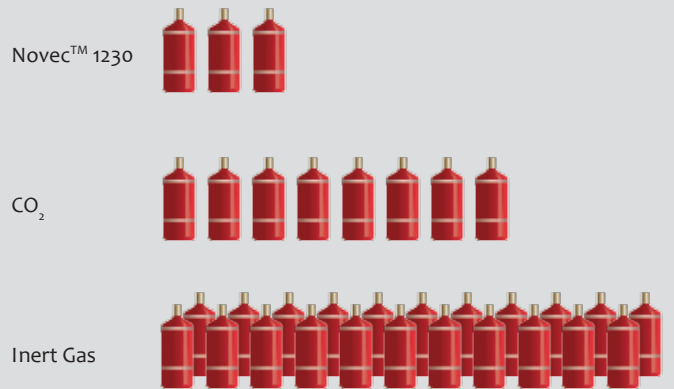
THE NEXT ERA IN ENGINEERED FIRE  
SUPPRESSION

High Pressure Efficiency Using Low Pressure Hardware

For years, engineered fire suppression systems have either been engineered with very high pressure, necessitating more expensive hardware and supplemental nitrogen driving systems, or have subscribed to a conventional low pressure that was a carryover from the limitations of the agent they contained.

The properties of 3M™ Novec™ 1230 Fire Suppression Fluid are very different than those of other Halon alternative gases, and with the introduction of the new 500psi systems, Regulus has optimized systems to take full advantage of the hardware and agent.

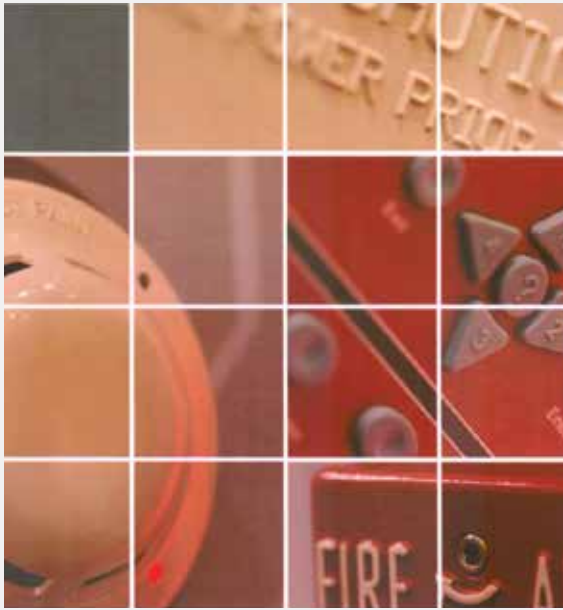
RELATIVE SYSTEM CYLINDER/  
SPACE REQUIREMENTS



NOVEC™ 1230 CYLINDER FILL RANGE

Base Cyl	Nominal Cylinder Size	Max. Fill	Min. Fill
FTF000015	35lb (15L)	38lb (17kg)	8lb (3.5kg)
FTF000029	75lb (29L)	76lb (34.5kg)	16lb (7.5kg)
FTF000062	160lb (62L)	164lb (74kg)	33lb (15kg)
FTF000103	270lb (103L)	271lb (123kg)	55lb (25kg)
FTF000153	400lb (153L)	406lb (184kg)	82lb (37.5kg)
FTF000227	600lb (227L)	601lb (272.5kg)	121lb (55kg)
FTF000368	975lb (368L)	975lb (442kg)	196lb (89kg)
FTF000490	1300lb (490L)	1297lb (588.5kg)	260lb (118kg)

System temperature limits are 0° F (-17.8° C) to 130° F (54.4° C) and system operating pressure is 500 psi (34.5 bar) at 70° F (21.1° C). The cylinders are UL Listed and are manufactured, tested and stamped in accordance with DOT 4BW500 or DOT 4BA500.



Features:

- UL 864 9<sup>th</sup> edition Listed
- Up to 127 sensors & modules, plus analog sounder bases, for a total of 254 points possible per loop
- Automatic daily calibration & drift compensation routine
- Auto-learn feature
- Fire Drill test function
- Alarm Verification feature
- Powerful & versatile Cause & Effect programming (up to 500 maximum, network wide) including
  - Cause & Effect action
  - Test mode configuration



OUR PARTNERS



INTRODUCTION

Firelast is proud of having a comprehensive range of Fire Alarm Systems, Fire Detectors and associated products as well as Fire Alarm Control Panel and their accessories. Firelast have your future covered with fire system configurations and solutions to meet your specific needs. With Firelast Fire Systems solutions you can rest assured you will not only provide a safer environment for your building occupance but you can also install confidence in knowing that you are making a smart decision to protect your people, business and future.

WHY FIRELAST

- 100% quality control
- Detectors and sensors are American manufactured
- High quality components of sensors
- Very flexible software facilities



FIRE SUPPRESSION RANGE HOOD

Protection from the number one cause of structure fires in the world.

The D1000 Series from Denlar Fire Protection is the industry's most robust range hood fire protection solution. With advanced self-monitoring capabilities and a fullyintegrated suppression system, the D1000 provides the highest level of commercial grade fire protection for residential grade ranges.

## AIRPORT HANGARS



Airports, Trains, Undergrounds, Railways, Tunnels, Ships

Ever increasing trade and the great number of sea/air/land delivered products have increased the risk of incidents and in particular the fire risks.

Sessco has been engaged, for many years, in design, supply, installations of systems for harbours, airports and railways.

The systems generate prompt and reliable responses thanks to the detection systems and extinguishing systems (like spray water, water mist, deluge water/foam).



## POWER GENERATIONS, POWER PLANTS



The demand for energy production is ever increasing all over the world. The risk of interrupting the electrical power supply is a threat to the population and economy of every country. It is important therefore to prevent and/or extinguish in a shortest time any kind of fires.

Modern, fast and reliable warning/extinguishing systems are required.

Sessco supply and install such systems for the protection of turbine enclosures, turbo-gas, transformers and complete power solutions.

The commonly used systems are the following:

Detection and extinguishing systems by fog-water (water mist), foam/water deluge systems, CO<sub>2</sub>, FM 200, Argon, foam, powder, twin agent and by means of portable or wheeled equipment (extinguishers and monitors).





## HARBOURS, OIL JETTIES & FIRETUGS

The protection of such important facilities is ensured by means of ground vehicles and sea fire tugs.

- Remote controlled monitors on pole are used for the protection of areas near to ships, tankers and gas carriers.

Sessco supply and install a complete range of such systems which can supply water, foam & powder with a capacity of from 2000 to 10000 lpm (water or foam) from 15 to 60 Kg/sec (powder)

The monitor can be controlled and driven by means of:

- Electrical systems
- Hydraulic systems
- Electro-hydraulic systems
- Remote controlled systems

Sessco also supply and install high capacity monitors (Long Range Monitor) to be fitted on fixed and wheeled systems, for FF1 and FF2 MARINE use with capacity up to 30000 lpm (to be assembled on fire tugs).



## OIL INDUSTRY AND REFINERIES

The continuous exponential growth of the oil industry and the increase in the diversity of its flammable products, constantly present new challenges. Sessco supply and install many detection and extinguishing systems for: Oil refineries, Oil terminals, Tank farms and LNG plants.

Sessco has supplied mobile means (wheeled extinguishers with capacity till to 500Kg), remote controlled monitors, motor pumps, lighting units, high or low expansion mobile foam units, twin agent units.

Sessco designs and install fixed foam extinguishing plants (low and medium expansion) for the protection of process, diked, pumping areas, API separators with self-oscillating monitors and medium expansion foam generators. Remote controlled monitors systems, powder systems, twin agent systems, gas systems (CO<sub>2</sub> - FM200-), foam pourers supply or injection systems (S-FSSS/E) for the protection of storage tanks.







## INDUSTRIAL COMPLEXES

As the rate of production of raw materials, consumer goods, medical products etc. increases, ergonomic factor can increase risks. These may be stressed on personnel resulting from production schedules, shift work and pressure on maintenance programmes. It is necessary therefore to pay attention to these problems and to the risks that may cause devastating fires.

Sessco realised the protection of:

- Paper factories
- Pharmaceutical plants
- Foodstuff factories
- Plastic and rubber industry and production factories (appliances, vehicles etc.)



## SHIPS & OFF-SHORE PLATFORMS

The risks which the ships and the off-shore platforms are exposed to are higher than the on-shore facilities because they are not easily reachable by the rescue team. For this reason marine systems require high reliability in case of fire. Equipment may be subjected to intense vibrations during navigation. Sessco design and install systems that ensure safe functioning in the worst conditions.

Among the systems supplies by Sessco: Deluge systems (water & foam), High expansion foam systems, Remote controlled and standard monitors systems, Self-oscillating monitors systems (for Helideck), Sprinkler systems, Water mist systems (high and medium pressure), Powder systems, CO<sub>2</sub> systems (high and low pressure), Water foam proportioning systems, FF1 and FF2 monitors for fire tugs.

Such systems are used on board of: Ro-Ro, Trade vessels, Oil tankers, Gas carriers (LNG & LPG), Ferryboats, Passenger ship, Offshore platforms, Cruiser and aircraft carrier and Fire tugs.





## AFTER SALES SERVICE

Commercial centres, Museums, Theatres, Cinemas etc. Domestic fire risk has existed since we discovered fire and especially where wood is used in construction.

As residential units, hospitals, commercial centres and other institutions get bigger and taller the risk to people who live in such buildings increase.

Such buildings must be therefore equipped with fast and effective detection and extinguishing systems.

Sessco has been involved in the realisation of such civil complexes with the design and supply, install and manufacture of fire detection and extinguishing systems, hydrants nets, reels, extinguishers, pumping stations etc. The control stations can also manage remote control and admittance surveillance systems.



## WORKSHOP FACILITY

Refilling and servicing.

- Hydro Testing
- CO<sub>2</sub> Filling
- Dry Chemical Powder Filling
- Breathing Apparatus Filling







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