



# FOAM SUPPRESSION



**fire protection**  
TECHNOLOGIES



GASEOUS  
SUPPRESSION



WATER  
SUPPRESSION



FOAM  
SUPPRESSION



EXPLOSION  
PROTECTION



FIRE  
DETECTION



MILITARY  
& DEFENCE



SPECIAL  
APPLICATIONS



SUPPORT  
SERVICES

## FOAM CONCENTRATES

Fire Protection Technologies supply fire fighting foam concentrates to meet a wide range of fire fighting challenges, including industrial, marine, mining, municipal, oil, petrochemical, and transportation applications.

Our aqueous film-forming foams (AFFFs), Class A foams, wetting agents, high-expansion foam concentrates, and protein foams are suitable for ground and air attack, creating firebreaks, used with compressed-air foam systems (CAFS), and mop-up operations.

Fire Protection Technologies fire fighting foams are some of the most environmentally friendly products in their class in the world.

Our AFFF products have 30-70% less fluorochemical content than other UL Listed products on the market, while our alcohol-resistant aqueous film-forming foam (AR-AFFF) has some of the lowest and best application rates in the industry. Because of their effectiveness, Fire Protection Technologies foam concentrates can achieve knockdown faster and with lower product volumes than similar agents, which can substantially lessen property damage and environmental impact.

In addition, our Fluorine Free Foam Concentrates are not only completely environmentally friendly, since they do not contain fluorine, but have been rigorously tested to international standards such as ICAO B, and have been found to be the best performing of the available Fluorine Free Foam Concentrates worldwide.

## FOAM PROPORTIONING

Accurate foam proportioning equipment is vital to the overall performance of the foam fire protection system and we offer a complete range of proportioning systems. Our range of in-line inductors, ratio controllers, balanced pressure proportioners and bladder tanks are second to none.

Included in our range is the revolutionary FireDos® proportioning system that operates without any external power supply.

Drive for the FireDos® unit is provided solely by the water supply being used to fight the fire. The rotation speed of the drive motor is proportional to the volumetric flow rate, thereby enabling the FireDos® unit to

accurately proportion product concentrations from as low as 0.1% up to 6%. It is capable of handling practically any fluid from a flow rate of 10 L/min. to 20,000 L/min. and is not affected by fluctuations in flow or pressure.

FireDos® is cost effective and also eliminates the need for installation of expensive foam concentrate pumps, bladder tanks and associated equipment.

## FOAM DELIVERY SYSTEMS

Fire Protection Technologies engineered and manufactured fire suppression systems ensure a rapid, thorough, and economical response to fires and spills. Customised to application specifications, our dependable engineered systems include equipment such as bladder tanks and pump-type balanced pressure proportioning systems; in-line balanced-pressure proportioning systems; high-expansion foam systems; large dry chemical systems and skids; twin-agent systems and skids; foam trailers; large dry chemical and twin-agent trailers; monitor trailers; aqueous film-forming foam (AFFF) pump systems; water-powered AFFF pump skids; foam/water monitors; nozzles; inductors; ratio-flow controllers; foam makers; foam chambers, and specialised proportioning storage and monitor trailers.

Fire Protection Technologies portable fire fighting equipment gives fire fighters the knockdown capacity needed for a wide array of situations – from fuel spills at tank farms to aviation accidents – enabling fire fighters to customise their portable hardware to meet specific requirements and applications.

Our wide variety of nozzles and inductors provide targeted and effective foam dispersal consistently and dependably in prolonged use.

Innovative Compressed Air Foam Systems (CAFS) are also available and have a particular advantage over traditional foam water systems as they require much lower water flow and pressure. CAFS systems can therefore be designed for applications with as much as 75% less water demand.



# FOAM SUPPRESSION



“EVERY SOLUTION FOR YOUR SPECIAL HAZARD PROBLEMS”

*“Its role is to cool the fire and to coat the fuel, preventing its contact with oxygen, resulting in suppression of the combustion”*

Foam Products encompass a wide range of products and equipment that includes firefighting foam concentrates, foam storage containers / tanks, foam monitors, foam system distribution and proportioning hardware. Firefighting foam or Foam Concentrate is used for fire suppression of flammable liquids.

Its role is to cool the fire and to coat the fuel, preventing its contact with oxygen, resulting in suppression of the combustion.

For a typical industrial foam system the storage vessels (e.g. Bladder Tank or Atmospheric Tank) contain the foam concentrate and are connected into the distribution system ready for immediate use in the event of a fire. The associated distribution hardware and proportioning

equipment are also connected into the piping system and control the amount of foam and how it is distributed to the hazard on fire.

As the world develops and technology changes, we constantly find ourselves looking at new applications and hazards. Foam extinguishing technology and products are also constantly evolving to meet these challenges.

For any particular application there can be a number of possible solutions. Talking to fire engineers that specialise in foam products should be your first step in achieving the best result for your application.



**OUR COMMITMENT** *“To provide our customers with the best possible service, the highest quality products and the right solution for your needs”*

## PRODUCTS:

### *Gaseous Suppression*



Inert Gas (IG-01, IG-55, IG-100, IG-541)  
Novec 1230™ Fluid (FK-5-1-12)  
FM-200® (HFC-227ea.)  
Carbon Dioxide (CO<sub>2</sub>)  
Hybrid Systems (N<sub>2</sub> / Water)  
Pressure Relief Vents  
Enclosure Integrity Testing Equipment  
Pipe & Fittings

### *Water Suppression*



Water Mist - High Pressure  
Water Mist - Intermediate Pressure  
Water Mist - Low Pressure  
Hybrid Systems (Water / N<sub>2</sub>)  
Monitors & Delivery Systems  
High Speed Deluge

### *Foam Suppression*



Foam Concentrates  
Foam Proportioning  
Foam Delivery Systems  
Compressed Air Foam  
Foam Concentrate Testing

### *Explosion Protection*



Explosion Suppression  
Explosion Isolation  
Explosion Vents & Pressure Relief  
Spark Suppression  
Explosibility Testing

### *Fire Detection*



Linear Heat Detection - Digital  
Linear Heat Detection - Fibre Optic  
Linear Heat Detection - Micro Chip  
Flame Detection  
Video Imaging Detection  
Spark Detection  
Control & Indicating Equipment  
Thermal Imaging Detection  
Aspirating Smoke Detection

### *Military & Defence*



Military Vehicles  
Naval Vessels

### *Special Applications*



Micro Environment  
Oxygen Reduction  
Kitchen Protection Systems  
Dry Chemical  
Vehicle Systems  
Marine & Offshore  
Vapour Mitigation  
Li-Ion Fire Systems

### *Support Services*



Design / Engineering  
Technical Support  
Services & Testing

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**'Every solution for your special hazard problems'**