



2022

Fire Fighting Equipment



MIST-TECH

Angloco Mist-Tech Fire Fighting Equipment Videos



https://youtu.be/KzJ_UA9bnEE
Latest Bullard QXT Thermal Camera & Angloco Mist Tech Lance testing.



<https://www.youtube.com/watch?v=JrHRMDP6VCw>
Angloco Mist-Tech Branch used on a car fire using only 40 litres of water in around one minute.



<https://www.youtube.com/watch?v=GJVOTqtdHkA&t=32s>
Angloco Mist-Tech Lance used on an engine fire which was extinguished through the headlight.



<https://www.youtube.com/watch?v=0K1ODEiC4GE>
Angloco Mist-Tech Lance used in a Fire Behaviour Unit and it clearly shows how well the gas is cooled by the misting lance.



<https://www.youtube.com/watch?v=M7lkE59hBxl>
Angloco Ltd XJR Rapid Response Jaguar for Bloodhound. One of two vehicles which has a purpose built compressed air misting system instead of back seats and ResQtec Rescue Tools in the boot.



<https://www.youtube.com/watch?v=CyaWFJdfRSE>
Angloco Mist - Tech Lance in Slow Motion



https://www.youtube.com/watch?v=ShGlt6zCA_c
Angloco Mist-Tech Water Wall Lance



<https://www.youtube.com/watch?v=XZ3bIWRfX9g>
Angloco Mist-Tech attack lance



<https://www.youtube.com/watch?v=AToiYXit7Qo>
Angloco Mist - Tech Lance making foam

Mist-Tech Fire Fighting Equipment

Mist-Tech products provide optimum firefighting performance using the latest advances of water mist technology. High quality mist is produced by the unique design and technology of the branches and lances by using water collision technology, that provides a more consistent droplet size. This produces higher efficiency mist, without the inherent problems and risks associated with ultra-high-pressure systems. More of the water turns to steam, there is less entrained air, and the user has greater thermal protection.

The range now includes a Chimney Lance, Eco Piercing Lance, Angled Lance, traditional Turbo-Jet Nozzle, VMS 3000 vehicle mounted system and vehicle mounted/trolley CAFS System.

Features and benefits:

- » High efficiency using minimum amounts of water/foam
- » Reduced consequential water damage
- » Mist is produced by the design and technology of the branch, not by forcing high pressure water through a very small hole
- » Traditional style branch in its appearance and feel
- » Operating pressure remains at a safe level
- » There is a minimum of entrained air in the fluid stream, because of reduced velocity, resulting in reduced risk of spreading burning debris
- » Consistent water droplet size
- » Low recoil/reaction force at the branch
- » Quick knock-down effect on flammable liquids
- » Control of burning gases by rapid cooling
- » Less blocking

Mist-Tech QR Branch & Lances

Mist-Tech equipment was designed to improve firefighting capabilities with a small quantity of water. The heart of the system is the unique branch with quick release attachments.

The unique properties of Mist-Tech nozzles are:

- » A perfect droplet size, which are not too big enough to cause flooding and are not too small to evaporate too far from the source of fire without having an influence on it.
- » A large density mist stream, containing a huge number of droplets in which they are all used for extinguishing.
- » A small amount of kinetic energy, which fights fuel fires including fat fires, without effecting the long throw distance.

To extinguish a fire, removing one of it's three components is enough. Mist allows a correct balance between droplet size, stream density, water quality and kinetic energy and also allows two components to be removed at the same time, which is heat by rapid cooling and oxygen by evaporation and steam. This makes mist quick and effective in extinguishing fires.



Twist the branch head to remove and swap between the attachments



ECO PIERCING LANCE



CHIMNEY LANCE



710 ATTACHMENT



EV LANCE



BRANCH TYPE LANCE

QR PIERCING LANCE



ANGLED LANCE

Lance Tips

Lance Tips are available to add to our range of lances



Attack Standard Flow

The Attack tip has a flow rate of 70 Lpm at 25 bar.



Attack High Flow

The High Flow tip has a flow rate of 90 Lpm at 25 bar.



Water Wall

The water wall tip has a flow rate of 100 Lpm at 25 bar and gives the Fire Fighter more protection.



Piercing Hammer

The piercing hammer has a sharpened head to assist with creating a hole and a flat surface for driving the lance through the material. The piercing hammer comes with a hand strap.



VMS 3000 Vehicle Mounted Misting System

The VMS 3000 is a petrol driven misting system, which is light and has a small footprint minimizing space within a vehicle.

The system comes complete with a misting branch, lance and 30m of lightweight hose. It also has a foam tank and when needed can switch to foam in a matter of seconds.

The VMS 3000 now has the added feature of drawing from open water and is also available in diesel and battery versions.



Mist-Tech Vehicle Mounted & Trolley CAFS Systems

The CAFS Systems have been designed for extinguishing all types of fires by using small quantities of water or foam.

This range can operate as a misting system producing high efficiency mist or can be switched to foam if required, producing CAFS.

The system can work in two modes:

- » **Water Mist**
- » **Water Mist with foam or wetting agent**

Water Mist mode – water is a 100% environmental friendly extinguishing medium and by utilisation of high efficiency water mist technology allows fighting of almost all classes of fires including:

A, B, C, E and F-class fires.



Mist-Tech Trolley CAFS Systems



Technical Information

Model	:	C107
Type	:	Mist
Extinguishing agent	:	Water
Operating pressure	:	10 bar
Water capacity	:	34 ltr
Air/Nitrogen Cylinder Pressure	:	300 bar
Tank	:	Stainless Steel
Weight	:	90 kg
Hose Length	:	15 metres
Mounting Frame	:	Optional

NB/ Our products are constantly being developed and improved, therefore we reserve the right to change the technical specifications without prior notice.



Mist-Tech Vehicle Mounted CAFS Systems

Technical Information

Model	: C109
Type	: Mist
Extinguishing agent	: Water
Operating pressure	: 10 bar
Water capacity	: 70 ltr
Air/Nitrogen Cylinder Pressure	: 2 x 300 bar cylinders
Tank	: Stainless Steel
Weight	: 90 kg
Hose Length	: 15 metres
Mounting Frame	: 100 mm by 80 mm
Run Time	: 7 minutes at maximum flow

NB/ Our products are constantly being developed and improved, therefore we reserve the right to change the technical specifications without prior notice.

Main advantages of high efficiency Water Mist

- » **Rapid extinguishing**
- » **Water saving**
- » **Safe for use on or around humans & animals**
- » **Safe on electrical fires**
- » **Minimal collateral damage / no flooding risk**
- » **Superior cooling**
- » **No thermal shock**
- » **Safe for the user due to mist barrier between fire and operator**
- » **Environmental friendly**



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