



change that doesn't
cost the earth



FOAM AND WATER MIST EXTINGUISHERS



WWW.FIRE.I-CAT.CO.ZA | 086 112 4228

ADVANTAGES OF FIREFIGHTING MIST

HIGH FIREFIGHTING EFFECTIVENESS

Only about 5% of water directed at the fire is used to effectively suppress the fire. The remaining 95% floods the surroundings, causing post-fire damages. I-CAT Foam extinguishers create a mist that evaporates from surfaces at 100%, depending on the dispersion degree.

EXTRA SAFETY:

The mist creates an ideal barrier for thermal radiation.

POST-FIRE DAMAGE REDUCTION:

About 80% of damages resulting from a fire are not caused directly by the flames, but rather by the extinguishing action:

- Flooding of equipment with water
- Contamination with foam or active chemical extinguishing powder.

I-CAT's mist technology has a high degree of dispersion which fully evaporates in the fire environment and causes minimal to no damage to equipment.

LOW WATER USAGE WITH MIST OF <100 MICRONS:

The extinguishing unit generates mist with droplet sizes of between 50 and 100 microns. With droplet sizes below 100 microns, T-Rotor Technology uses exponentially less water than conventional water jets.

SAFE FOR PEOPLE AND THE ENVIRONMENT:

When mist technology is used, people and the environment do not come into contact with any chemically active substances except a mist made of water or inorganic salt solutions. This allows the use of T-Rotor Technology system on or near people without any negative medical effects.

'SAFE AND ENVIRONMENTALLY FRIENDLY'

SECURE ENVIRONMENT FOR FIREFIGHTERS AND VICTIMS OF FIRE

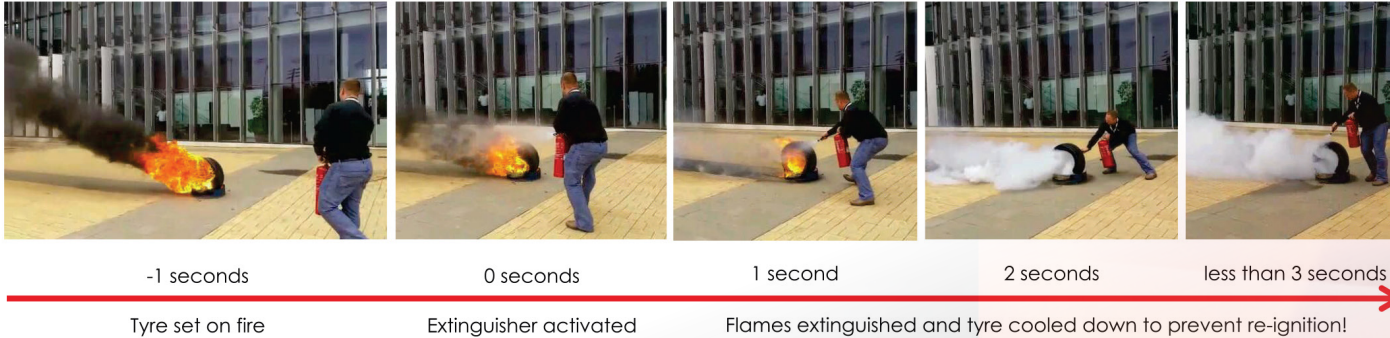
The ideal screening characteristics of the mist technology are beneficial not only for firefighters, but also for other people involved in a fire as the mist protects against flames, smoke and thermal radiation.

T-Rotor Technology protects against asphyxiation, as the mist contains oxygen. Smoke very often poses a much bigger threat to people than the fire itself especially in case of fires inside buildings.

T-Rotor Technology can extinguish fire on people since the mist is an ideal neutralizing extinguishing agent, that causes no irritation, or burns.



'CONVENIENT OPTION OF FOAM OR WATER MIST EXTINGUISHERS'



I-CAT IS AN AUTHORIZED T-ROTOR TECHNOLOGY DISTRIBUTOR AND PROVIDE CLIENTS WITH THE FOLLOWING SERVICES:

- Risk assessments
- Quotations
- Installations
- Service maintenance and support

THE UNIQUE SUPPRESSION CAPABILITIES OF THE T-ROTOR TECHNOLOGY:

- Flammable Solid substances (eg. paper and wood)
- Plastics (eg. polystyrene PS and polypropylene PP)
- Light oil fractions (eg. heptane)
- Medium oil fractions (eg. heating oil)
- Heavy oil fractions (eg. mazute)
- Polar liquids (eg. ethanol)
- Edible oil (eg. rapeseed oil)

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