

change that doesn't cost the earth



FOAM AND WATER MIST

EXTINGUISHERS







'EXTINGUISHES CLASS A, B, C AND F FIRE TYPES

of fire with minimal collateral damage'

EXTINGUISHING LIVE ELECTRICAL EQUIPMENT

- T-Rotor Technology extinguishes live electrical equipment with no risk of electrocution to firefighters
- T-Rotor Technology Mist causes no thermal shock to equipment. This
 means there's no risk of damage to ceramic or other sensitive and
 costly elements

EFFECTIVE & SUSTAINABLE:

- Directional control of stream allows for fire extinguishing from any angle
- Increased safety for system operators as compared to other technologies
- Nozzle creates a mist "halo" that protects the first responder from radiated heat and smoke
- A totally sustainable technology: Completely safe for people, property and the environment
- The key extinguishing agent is water or water with Telesolv Foaming Agent

	Usage Versatility*				Economic Factors		Sustainability		Safety Considerations	
	Ordinary Combustibles Class A	Flammable Liquids & Gases Classes B & C	Electrical Equipment Class E	Cooking Oil or Fat Class F	Resource Efficient	Minimal/No Collateral Damage	Environment Friendly	Human Friendly	Thermal Pro- tection of Fire Fighter	Can use to rescue/secure victims threatened by Class B, C, F fires
High Pressure Water	yes	no	no	no	no	no	depends	yes	sometimes	no
AFFF Foams	yes	yes	no	no	no	no	no	no	no	no
CO2	no	yes	no	yes	yes	no	no	no	no	no
Dry Chemical Powder	yes	yes	yes	no	yes	no	no	no	no	no
I-CAT Water & Foam Mist Extinguishers	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

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%, dependig 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 that 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'











-1 seconds

0 seconds

1 second

2 seconds

less than 3 seconds

Tyre set on fire

Extinguisher activated

Flames extinguished and tyre cooled down to prevent re-ignition!

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

- Risk assessments
- Quotations
- Installations
- Service maintance 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)

Tel Email Web

086 112 4228 fire@i-cat.co.za fire.i-cat.co.za

Physical Address

38 Amatole Road N4 Gateway Industrial Park West Willow Park Manor, Extension 65 PRETORIA

Postal Address

Postnet Suite #577 Private Bag x37 Lynnwood Ridge 0040

Follow Us





