

'EXTINGUISHING CLASS A, B, C AND F FIRES

with minimal to no damage'

EXTINGUISHING LIVE ELECTRICAL EQUIPMENT

- ❏ Water Mist Technology extinguishes live electrical equipment with no risk of electrocution to firefighters under the correct operating conditions.
- ❏ Water Mist Technology 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 heat radiation and smoke.
- ❏ A totally sustainable technology: Completely safe to people, property and the environment.
- ❏ The key extinguishing agent is water or water with a foam additive.



'CONVENIENT OPTION OF FOAM OR WATER MIST EXTINGUISHERS'

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. Water Mist 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. Water Mist Technology can extinguish fire on people since the mist is an ideal neutralizing extinguishing agent, as it causes no irritation or burns.

I-CAT's water and foam mist extinguishers have been tested in accordance with UL711 guidelines and are proven safe against conductivity on electrical apparatus and can be used on electrical equipment up to 100kV.

ADVANTAGES OF FIREFIGHTING MIST

HIGH FIREFIGHTING EFFECTIVENESS

In traditional extinguishers 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 Water Mist Extinguishers create a mist that evaporates from surfaces up to 100% depending on the dispersion degree.

EXTRA SAFETY

The mist creates an ideal barrier against thermal radiation.

POST FIRE DAMAGE REDUCTION

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

- ❖ Flooding of the equipment with water.
- ❖ Contamination with active chemical extinguishing powder.

I-CAT's Water Mist Technology has a high degree of dispersion which almost 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, water mist technology uses exponentially less water than conventional water jets.

SAFE FOR PEOPLE AND THE ENVIRONMENT

When Water Mist Technology is used, people and the environment do not come into contact with any chemically active substances, except a mist made up of water and / or inorganic salt solutions.

Water mist extinguishers are safe to use in enclosed areas, as opposed to powder extinguishers that can cause suffocation when discharged in an enclosed environment.

