

PRESENTATION OF THE AUTONOMOUS SYSTEM FOR FIRE FIGHTING (SASI) and EXTINGUISHING AGENT (KOWE-65)

In the market of systems used to remotely extinguish fires there are several types, where autonomous fire extinguishing systems differ from conventional fire extinguishing equipment in that the operation can be independent of direct human control. Safer than sending a fireman to a dangerous situation is deploying a robotic device in a dangerous environment to initially attack the fire and thus free human firefighters to carry out the necessary rescue functions.

These proposed devices can be better than sending a human firefighter to danger, but they are expensive, complicated, heavy, slow and sometimes they may lack the payload required for the task.

The products that we offer, in patent process, as a reliable and economic alternative to those mentioned, have a proven high efficiency, which uses national technology and has the following characteristics:

- Light weight (No more than 11 kg of the fully loaded rucksack system) making it very easy to transport and use, in the most hostile and rugged environments of difficult access.
- Long use time with a single charge. It is the only extinction system of the compact portable type that lasts up to one minute of continuous use (extinguishing backpack).
- It can be used mainly to attack and extinguish fires of type A (solid fuels) type B (liquid and volatile fuel) and also for type C (electric), and even type K (oils) since it uses a gas. It is not a conductor of electricity and a highly atomized special liquid that disappears with the heat of the accident.
- The KOWE 65 product is a neutralizer of highly flammable substances (type B); and it is apt to extinguish and extinguish large type A fires, such as forest fires and others of greater dimensions, thanks to its qualities of suffocation, penetration and humidification of live fires with the capacity to dilute in normal water without losing its extinguishing qualities in a ratio 1 to 5.
- Great optimization of the components used for its operation, which makes it the most economical in the market.
- All extinguishing agents used by the system are biodegradable and do not harm the environment.
- Does not leave visible or toxic residues.

Within the values offered by the market, the system would be able to match them in quality and extinction power, but with very effective and permanent results compared to other products in the market. The SASI system and its different marketing formats do not have complex mechanical systems, thus having low replacement costs and a fairly simple component exchange procedure. A simple work extinguishing system that does not require much maintenance either. It has an internal system made of materials resistant to corrosion with an average duration, which depending on whether it is made

of steel, aluminum or plastic, will vary between 10 to 20 years, which in the market is considered above average.

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