WATER
MIST
SYSTEMS

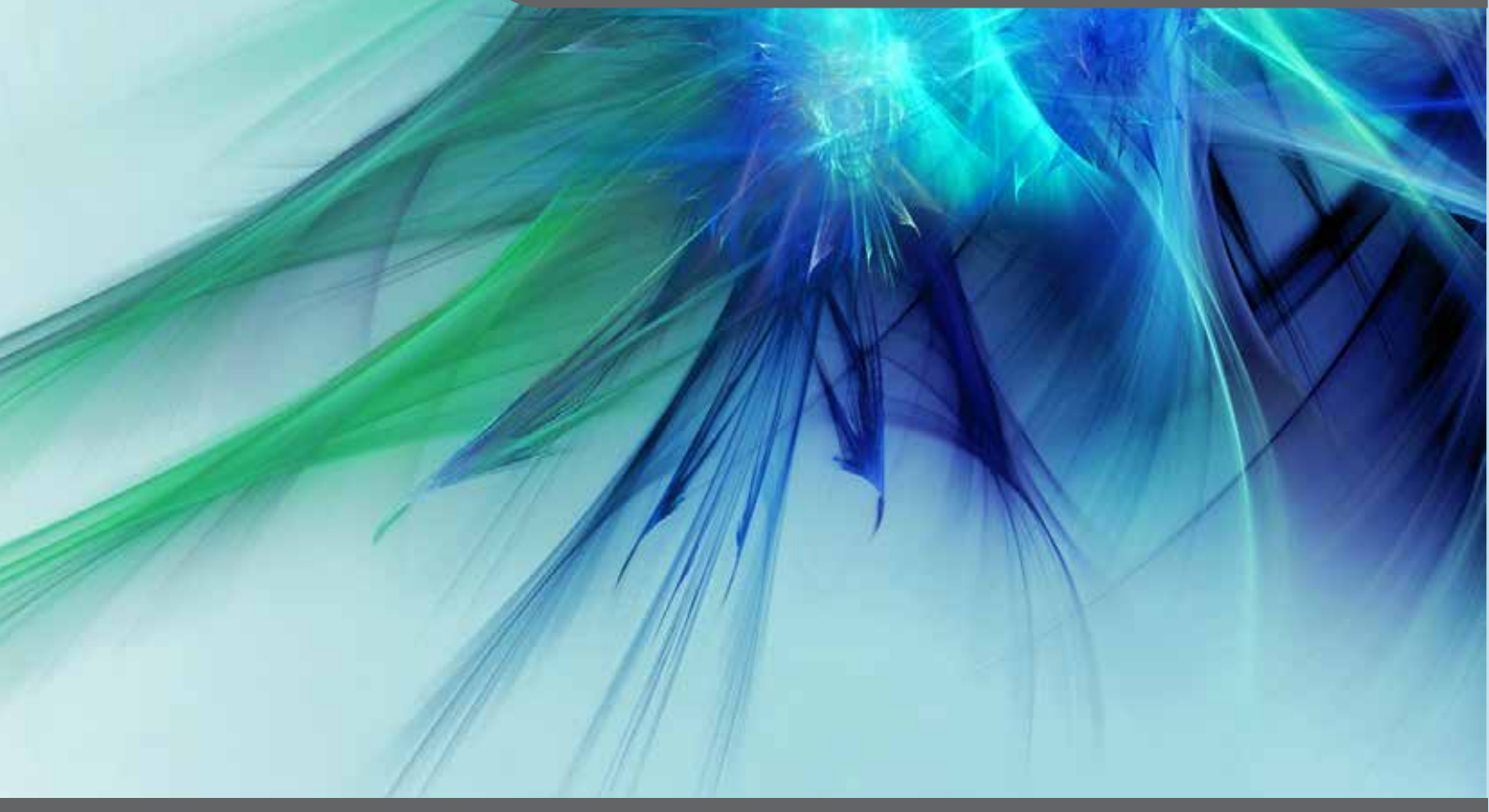
CLOSED NOZZLES

WITH PNEUMATIC OPENING

EMM CN

The use of water mist in fire fighting systems is based on the discharge of the agent at a HIGH PRESSURE and through nozzles appropriate for obtaining a minimum droplet size that favours the maximum absorption ability for the heat from flames.

Closed nozzles with pneumatic opening allow for the flooding of a room thanks to the initial thermic activation, and the later pneumatic activation in the entire affected area, for total, effective and autonomous protection.



According to the new and growing demands of protection using water, RG-Systems is making an effort to improve each component of our equipment.

This work is recognized by the approval of the most prestigious independent international bodies that certify the efficacy of our systems.
With these guarantees, we can offer the most profitable and reliable systems on the market.

THE NOZZLES WITH PNEUMATIC OPENING PROTECT AN AREA AND EQUIP IT WITH AN AUTONOMOUS DETECTION SYSTEM THAT MAKES THE ACTIVATION OF ALL THE NOZZLES POSSIBLE FOR A TOTAL FLOOD.

The nozzle with pneumatic opening has a thermic fuse specially calibrated to blow from the heat that always accompanies a fire. When one of these spray nozzles is thermically activated and initiates the discharge, an increase in pressure in the piping network is produced, that causes the fuses in the rest of the nozzles to blow throughout the room, thus activating and initiating the discharge throughout the rest of the nozzles in the entire design area.

The nozzle body is made of stainless steel, with a high resistance, durability and careful aesthetic aspect.

It is possible to place an embellished plaque in the area attached to the ceiling, resulting in an effective but discreet installation that is adapted to the aesthetic demands of the area.

OUR NOZZLES HAVE THE GREATEST NUMBER OF INTERNATIONALLY-RECOGNISED APPROVALS AT THE GLOBAL LEVEL AND THEY ARE A GUARANTEE OF THEIR QUALITY, DEMONSTRATING THEIR HIGH EFFICACY IN FIRE FIGHTING IN THE GREATEST RANGE OF APPLICATIONS WITH COMPLETE RELIABILITY.

RG SYSTEMS W-FOG

The thermic fuse can be calibrated to different temperatures, according to the product's intended use.

The simplicity of their installation allows the necessary maintenance and inspection tasks to be very easy and thus the associated costs at a minimum, assuring the maximum reliability of the water mist system and reaching an extraordinarily long useful life.

The flow provided depends on the design and the product's intended use. The protection needs will determine the micronozzles' type, number, pressure, spacing and calibrated flow.

The EMM CN nozzles are installed as an essential part of the water mist systems when the protection of an area using TOTAL FLOOD is desired, integrating its detection system with the fire alarm system thanks to the thermic fuse. For the operation of this equipment, the configuration of a WET PIPING system is needed.

RG W-FOG water mist systems provide a high speed of discharge, thanks to is pressure using accumulator or pump unit systems.

The nozzles create a droplet that is 200 times smaller than sprinkler systems. This mist does not soak the property it protects, and provides more cooling to the area with much smaller flow rates,

MAKING THIS SYSTEM ONE OF THE MOST ADVANCED FIRE FIGHTING TECHNOLOGIES.

APPLICATIONS

It is very practical for protecting ISOLATED AREAS, WITHOUT ELECTRICAL SUPPLY or where OTHER ELECTRONIC DETECTION SYSTEMS CANNOT BE INSTALLED.

Effective and completely autonomous and automatic protection is obtained, with quick activation against the first threats of fire.

The innovative advantages that this system offers as opposed to traditional extinguishing and fire control methods using water has allowed its application for the protection of very diverse areas to be broadened exponentially, among which we highlight:

TURBINES

AEROGENERATORS

TRANSFORMERS

MOTORS

MACHINERY

RG SYSTEMS

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