

WATER MIST SYSTEMS

OPEN NOZZLES EMM

The efficacy of water mist in fire fighting installations resides in the high pressure and the mist capacity of the nozzles used. Its capacity for finely dividing the water droplets into microdrops 200 times smaller gives them a maximum capacity for absorbing heat.

The open nozzles for deluge systems allow protection of a room and all the property within completely, without leaving residues or flooding the area. They are more economical, resistant and durable, which makes them apt for a wide range of uses.



Thanks to the importance of the research and development work carried out by RG-Systems, its nozzles have the best coverage areas, being able to minimize the amount of them that can be used to protect a hazard. This is an important competitive advantage, since it reduces the economic cost of the system's installation.

THE NOZZLES FOR RG SYSTEMS WATER MIST SYSTEMS PROTECT A GREATER AREA USING LESS FLOW, EVEN PROTECTING OUTBREAKS THAT ARE SHELTERED AND DIFFICULT FOR OTHER AGENTS WITH LESS PENETRATION TO ACCESS. THE COOLING OF THE HAZARD IS MUCH FASTER AND MORE EFFECTIVE, AS WELL AS THE VAPORISATION OF THE WATER, PROTECTING PROPERTY OVER WHICH IT ACTS WITHOUT DAMAGE OR LEAVING RESIDUES.

The adaptability of the nozzles to the hazard is exact thanks to the wide variety of models offered that vary in number of micro nozzles adapted as well as in the flow supported. All that joined with the high speed of discharge generated by the system's pressure.

Made of stainless steel to meet high working pressures and pass the most demanding tests.

For proper installation, they have an adapter with outer threading to be connected to the tees and distribution blocks placed in the pipes. To fulfil the aesthetic demands of each area, a stainless steel embellished plaque can be adapted.



COMPLETE FLOOD SYSTEMS WITH DELUGE MECHANISMS.

EMM open nozzles are installed for joint action in the room they protect, offering a homogenous discharge over the entire area. The systems are designed to guarantee the discharge of flow stipulated by each hazard, with the objective of protecting any of the points in the room. At the detection of a fire, the electronic panel activates the system, filling the pipes and guaranteeing both the flow and the pressure required reaches the nearest nozzle.

The hazard protected by EMM open nozzles can be very diverse in nature. The most common applications are the following, although they can be used for many other uses according to the area needing protection and the class of hazard.

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.



TRANSFORMERS



WAREHOUSES AND FACTORIES



PROCESSING FACILITIES



ELECTRICAL GENERATORS



PROTECTION AGAINST FLAMMABLE LIQUIDS



TURBINES



DIESEL GENERATORS



CABLE OR ROAD TUNNELS

MICRO NOZZLES for LOCAL APPLICATION

These micronozzles are used to protect areas that are difficult to access or small enclosures where space is a critical factor. They have a unique micronozzle spray nozzle that can be installed simply in places with small dimensions.

The installation is carried out directly orientating

the nozzle toward the hazard. It is possible to place such nozzles as necessary over the hazard areas, offering a quick and effective local application. The flow can be variable, adapting to the protection requirements.



ESCALATORS



KITCHEN HOODS



SMALL CABLE DUCTS



TRAINS