PORTABLE WATER MIST SYSTEMS WITH NOZZLE
RG W-FOG-M

THE RG W-FOG-M MOBILE WATER MIST SYSTEMS PRODUCE RAPID AND EFFECTIVE MANUAL ACTION AGAINST FIRES. THEY ARE ESPECIALLY EFFECTIVE WHEN IT IS FOUND IN AN INCIPIENT STATE, BEING ALSO EFFECTIVE AGAINST HAZARDS OF A LARGER SIZE.

Our sophisticated engineering of the product has developed this equipment of maximum spatial economy and need for agent, based on two principles:

Optimum cooling capacity of the water mist thanks to the minimal size of drop, maximum surface area of heat exchange, long suspended permanence and high pressure for high penetrability in the plume of the flame.

Compactness of the hardware, integrated in reduced-size modules: the perfected design of the portable RG W-FOG-M systems makes it possible for them to be easy to handle and transport, which can be integrated in vehicles and other devices for a rapid and agile response to almost any emergency.

They can be used by professional firefighter teams as well as by trained technicians of industrial brigades or other uses.

They are used in fires of solids, liquids, fuel spills and inflammable gas fires, being able to incorporate specific treatments to improve their durability or resistance to special environments (outdoors, marine, extreme temperature, chemically aggressive, etc.)

THE PORTABLE SYSTEMS ARE SUPPLIED READY FOR SERVICE, WITH ALL THE COMPONENTS AND ACCESSORIES NECESSARY. THEY ARE FORMED, BASICALLY, BY:

High-pressure unit: with diesel flow pump and adjustable pressure

Control panel: for the control and regulation of the flow and pressure

Water tank: of different materials and storage capacity

Hose reel and hose: available in various sizes, lengths and finishes

Manual nozzle: with large flow mist nozzle, handle with stream regulation.

THEIR MOST USUAL APPLICATIONS ARE IN THE FAST-ACTION VEHICLES AGAINST FIRES AND THE INDUSTRIAL VEHICLES, TO WHICH THEY CAN EASILY BE COUPLED TO GIVE THEM A HIGH RESPONSE CAPACITY, VERSATILITY, SPEED AND AUTONOMY (SUFFICIENT UNTIL THE SECOND LINE OF ACTION ARRIVES, IF NECESSARY).
THEY CAN ALSO BE INCORPORATED TO PARTIALLY EQUIPPED VEHICLES, WITHOUT WATER SUPPLY OR WITH LITTLE AVAILABLE SPACE.

For this reason, a small water tank is housed in the cabin, chest or roof rack of the chosen vehicle. Thanks to the excellent extinguishing capacity of high-pressure water mist, this supply has a yield up to ten times greater than sprayed water, for which reason the recipient is up to 90% smaller. It connects to a compact diesel pumping unit to give it autonomy, ruled or regulated from the control panel. Lastly, the hose reel with mist nozzle allows the operator to activate and/or wind up the equipment.

The rapid-response vehicles are thus equipped to move rapidly to the affected point (warehouses, airports, highway accidents or infrastructures, forest or farm installations, etc.). Different hose lengths (up to 100m) give the operator great mobility and ease of access on foot up to the source.

IT IS NOT NECESSARY TO UNROLL THE ENTIRE HOSE FIRST, IT CAN BE USED IMMEDIATELY.

WINDING UP IS AUTOMATIC, AVOIDING JAMS, OBSTRUCTIONS OR DELAYS IN CASE OF EVACUATION

THE EXCLUSIVE DESIGN OF THE MIST NOZZLE DIRECT 60% OF THE FLOW DIRECTLY TO THE SOURCE, GENERATING A BLOCKING BARRIER OF HEAT AND PARTICLES THAT PROTECT THE OPERATOR.

IT HAS THREE POSITIONS TO VARY THE ANGLE OF THE PROJECTION OF THE AGENT.

THE EFFECT OF ENTRAINMENT AND CLUMPING OF PARTICLES LOCALLY SETTLES SMOKE OR TOXIC SUBSTANCES, WHILE IMPROVING VISIBILITY.

Personal safety is crucial in these compact systems, for this reason the ease of configuration and quality in the features is key.

In addition to their use against fire, they are also suitable for cooling (e.g., machinery, tanks), cleaning of delicate items or clarifying of the atmosphere by entraining particles. Limited only by the space available or the autonomy that you want to give them, consult with RG Systems for custom solutions and kits of different sizes.