BECAUSE WE BELIEVE IN THE VALUE
OF MEASURED PROTECTION.

THE MOST ADVANCED SECURITY SYSTEMS FOR THE
MOST DELICATE HAZARDS.

RG SYSTEMS W-FOG

# W-FOG SYSTEMS
for the protection of

# FINANCIAL ENTITIES

Financial entities are intermediaries for and perform transactions for the large majority of funds for businesses, specific and domestic economies, and also public administrations. They are therefore a pillar of the current economic system with a strong need for security at all levels.

Statistically, the losses per hour for services failures are the highest in all productive sectors, the majority of which affect stock market activities and are not as expensive if they are minor activities, such as daily branch activity.

The viability of any company is compromised to the claims that affect its productivity and, particularly

in this case, the quantifiable losses that are made up of damages or inconveniences to clients, those of market positioning and those of brand perception and trust.

Security plans for bank branches, assetmanagers insurance managers, etc., require maximum and up-to-date stability, according to the latest advances in each case to avoid unexpected and malicious damages that affect the safety of their employees or activities.

Losses due to fire:

- Wounds and human lives.
- Irrecoverable information (possiblelegal consequences).
- Replacement of materialproperty and equipment.
- Productivity, for failures due to clean-up, repair or resumption tasks.

# WHY USE RG W-FOG

## IN FINANCIAL ENTITIES

***RG-Systems features the latest advances in fire protection using water mist,*** *highly recommended for its coverage and different uses that specifically affect the work of a financial entity: offices, DPC, surveillance, archives, safe deposit boxes, etc.*

***It also has a number of quality certifications and approvals from well-known independent international bodies.***

| | | |
|---|---|---|
| Generally occupied | Safe Extinguishment for people | Non-toxic, clean and environmentally friendly agent. Good visibility, facilitates quick and orderly exit |
| False alarms, vandalism, sabotage. | Prevent damage to the content | **Minimal damage:** mist type discharge without flooding the halls or wetting the goods or sensitive equipment. Preaction for double safety. |
| Very diverse uses. | Adaptable and multipurpose systems | Fit in the case of solids, liquids and energized type of fires fires. Centralization: with one equipment several rooms are simultaneously protected |
| Rooms of varying sizes | Maximum adaptability and suitability. | Equipment suitable for small, medium and large hazards. Approved nozzles |
| Different business sectors and activities at the international level. Extremely high costs due to shutdowns. | Continuous operation | 24/365 operational and constant protection. Immediate action minimizes damage to equipment. Short resumption times and cleaning tasks. |

# SOURCES OF FIRE

**The objective is to protect the uses most exposed or from which the most problems would derive.**

**The casuistry is varied, but the respective uses that are recommended for protection are:**

**OFFICES AND DESKS:**

usually occupied with a high load of combustible solids, wiring. The objective is to protect the staff, facilitating their evacuation.

**DPCs AND COMPUTER ROOMS:**

losses in addition to those from the fire itself, the heat and human injuries. They require an agent that minimises damages, avoids the destruction of data, blocks the heat and spread of corrosive contaminants.

**CONTROL, SURVEILLANCE AND SECURITY ROOMS:**

similar to the DPCs, with the added function of protecting against break-ins.

**DOCUMENT ARCHIVES:**

a very high fire load due to the solids present, therefore they require a good agent distribution.

**SAFE DEPOSIT BOXES** (SAFEKEEPING FOR PRIVATE PROPERTY):

protection of items and documents that are of high importance to the customer. Contracted liability that requires sturdy, effective and reliable systems.

**AUTOMATIC TELLER MACHINES:**

exposed to the outdoors and vandalism, they store cash. They can need protection with local application to avoid major damages.

**FALSE FLOORS AND CEILINGS WITH WIRING:**

present in the majority of the aforementioned uses, they are difficult to record and lack maintenance. They need an agent with high penetration and that can circumvent obstacles.

**BOILER OR HVAC ROOMS, DUCTS:**

they are sources of heat close to combustibles, with ducts that facilitate spread. Necessary to segment and protect against fires of solids and liquids (fuel, gas)

**According to each case, it can be equally recommended to protect:**

***vestibules***

***public spaces for customer service***

***hallways and evacuation routes***

***main offices inhistoric buildings***

***car parks and cafeterias***

***kitchenettes in main offices***

**RG-Systems offers the experience of its technical department to determine and define the protection needs according to each project.**

# PROTECTION NEEDS FOR FINANCIAL ENTITIES

Because of the **large coexistence of uses and possible sources of fire** within the same building that is used for any financial activity, these can be diverse, even in general, and related to:

## ELECTRIC BREAKDOWNS

of equipment: short-circuits, power surges, sparks, overheating.

## MAINTENANCE

for being insufficient or improvement, repair or remodelling tasks.

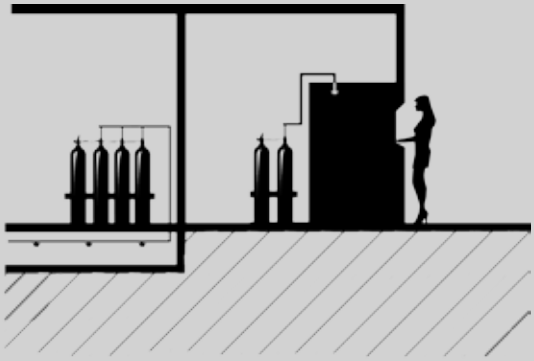
## PROVOKED FIRES

(vandalism and intended sabotage)

These are two needs for protection to fulfil simultaneously:

- **QUICK AND EFFECTIVE ACTIVATION FOR THE PROTECTION OF EQUIPMENT THAT SUSTAIN OPERATION.**
- **PROTECTION OF STAFF: EMPLOYEES AND CUSTOMERS.**

Therefore, **the use of a safe agent such as water mist is highly recommended**. Acts without delay resulting from the sealing off of rooms or the evacuation of occupants. The staff, on their part, can be exposed without a single damage to the discharge of water while they evacuate without visibility difficulty.



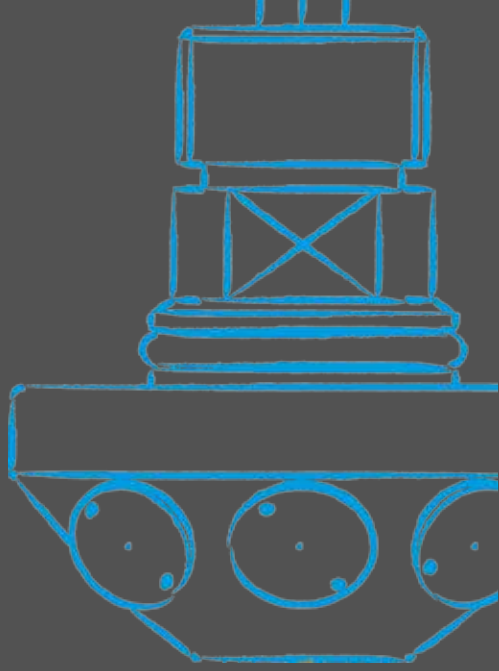
## SMALL BRANCH

As minimum protection, it is recommended for false floors and specific sources. Their reduced measures favour the use of **compact and autonomous equipment** such as accumulator groups.

**False floor:** Combined action of water mist and nitrogen for the protection of false floors due to total flood.

**Register, boiler:** can also be protected with an accumulator group, a deluge system an open nozzles for wide local application over the hazard.

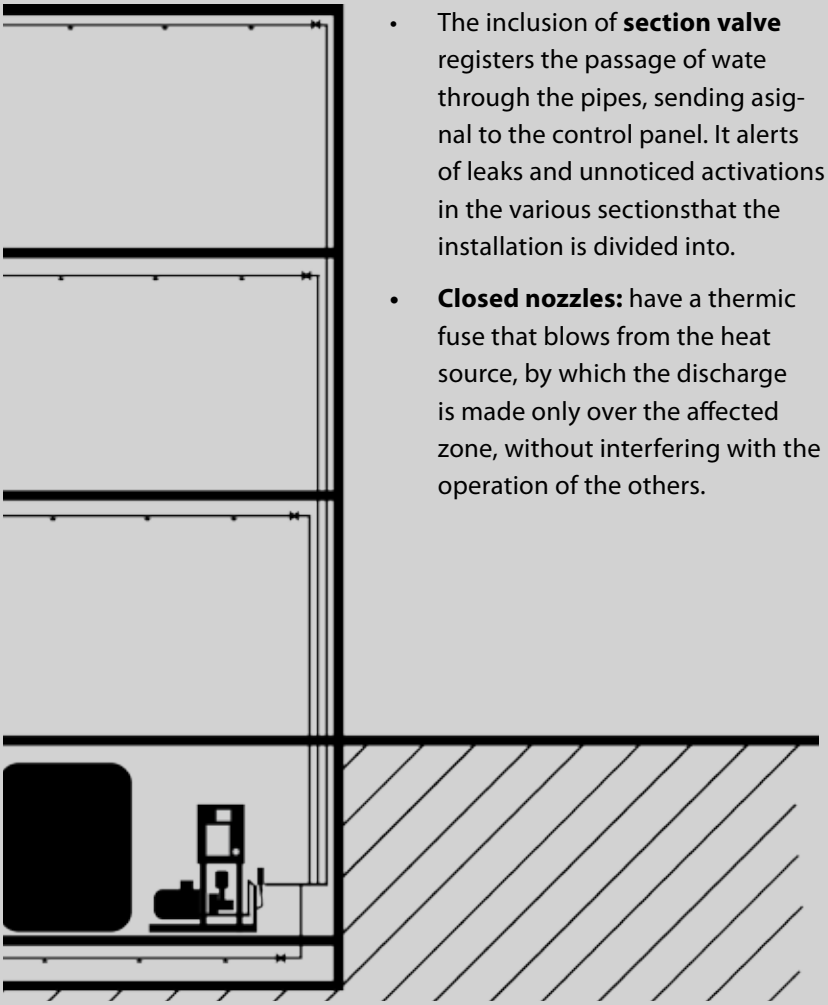
# INSTALLATION EXAMPLE



## MAIN OFFICES AND CENTRAL AREAS

With a single pump group an entire banking entity can be protected (office, DPCs, desks and meeting rooms, surveillance centres), including ducts and adjoining spaces. It is the most common in banks, offices and main offices. A fire protection system with water mist includes:

- **Pump unit,** which can be electric, diesel or mixed. It includes a water tank and is used for various volumes of risks. It is sized according to the most unfavourable hazard and is tared to provide sufficient pressure to the farthest nozzle.



- The inclusion of **section valve** registers the passage of wate through the pipes, sending asignal to the control panel. It alerts of leaks and unnoticed activations in the various sectionsthat the installation is divided into.
- **Closed nozzles:** have a thermic fuse that blows from the heat source, by which the discharge is made only over the affected zone, without interfering with the operation of the others.

**The protection can be complemented with manual methods for low agent consumption and maximum fire fighting performance. Water mist FUCs favour maximum and quick heat absorption from the source with a reduced amount of water, which helps to MINIMIZE DAMAGES TO DOCUMENTS, ARCHIVES, COMPUTERS AND ELECTRONIC EQUIPMENT IN THE BRANCH.**

**EASY TO USE BY THE STAFF PRESENT, INCLUDING WORKERS WITHOUT PRIOR TRAINING, generating a suspended mist that is safe and long lasting, which spreads particles and embers, while at the same time blocking thermal radiation to the operator, clearing the atmosphere to facilitate evacuation.**

## GUARANTEE AND CERTIFICATIONS

All of the products have approvals and suitability statements according to trials in internationally-recognised bodies.

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