



...and the fire is
automatically extinguished.

Sprinkler systems

Safe for certain.

MINIMAX

PRODUCT

SIMPLY SAFE

Fighting a fire in the beginning stages is the best way to protect human life, property and the environment.

Minimax sprinkler systems do this automatically – they detect, report and extinguish fires independently and therefore provide reliable protection around the clock.

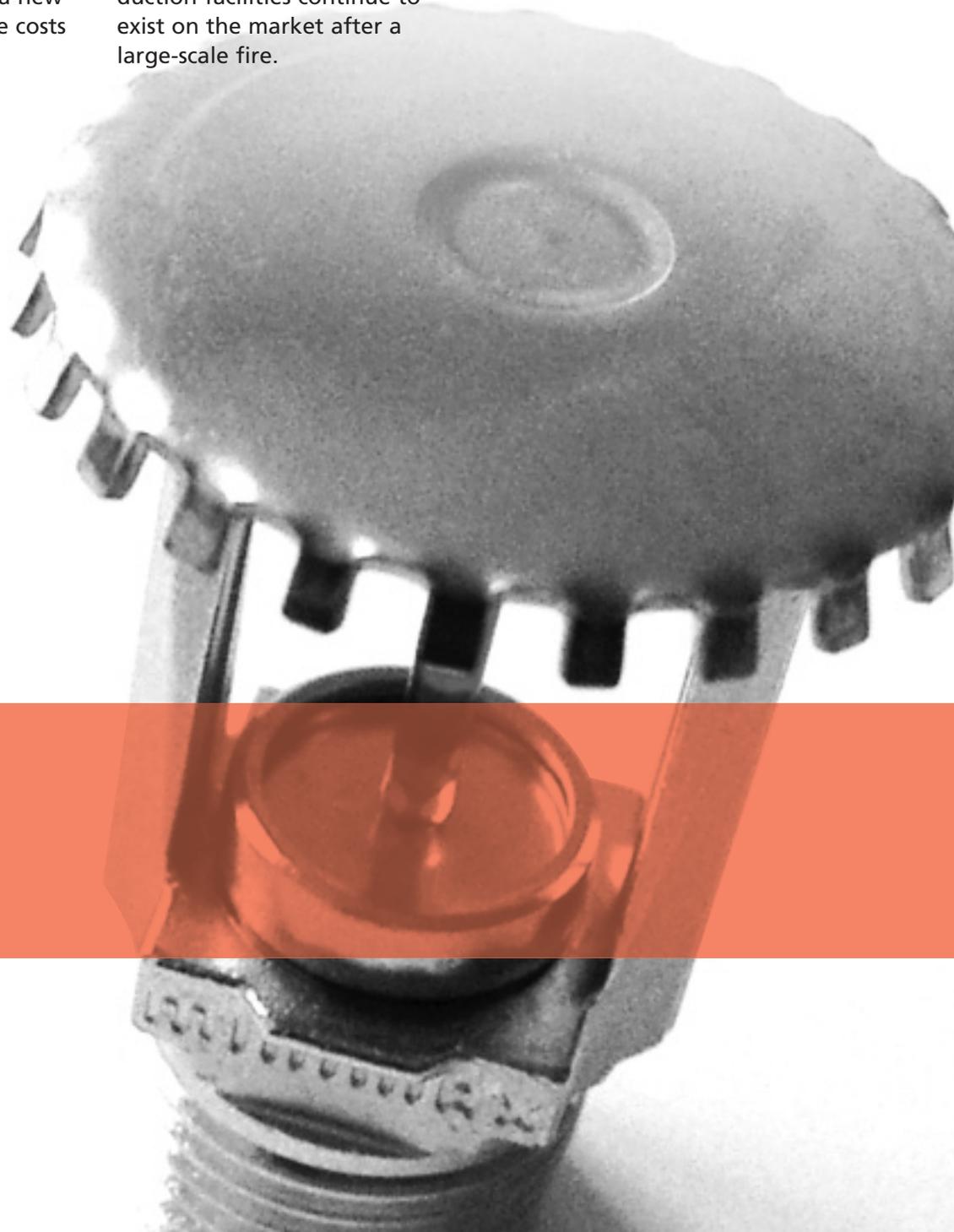
If the installation of a sprinkler system is considered during the planning phase for a new building, this can reduce costs significantly.

In view of fire damage developments in recent years, retrofitting of existing buildings with sprinkler systems is also recommended.

The successful extinguishing of a fire by a sprinkler system will save you from losing customers and market shares due to the forced interruption often caused by fire damage: Only about one fourth of production facilities continue to exist on the market after a large-scale fire.

A well-thought-out fire protection concept also communicates a sense of reliability to your customers.

Minimax has more than 100 years of experience in the development, production, installation and maintenance of fire protection systems.



Our sprinkler systems are customized for each project. In this way, they provide an economical solution for small and mid-sized businesses in conformance with all safety requirements: this is guaranteed by strict compliance with applicable directives, inspected components, and planning and installation by qualified personnel.

Simply effective

- ▶ Sprinkler systems offer fire detection and extinguishing functions in one system.
- ▶ Extinguishing is limited to the areas where there is really a fire.
- ▶ Extinguishing water reduces smoke and contaminants, therefore protecting the environment.
- ▶ As a natural extinguisher, water is inexpensive and unlimited in terms of availability.
- ▶ After a fire has been extinguished, Minimax sprinkler systems are quickly ready for use again.
- ▶ Sprinkler systems create structural freedom – as an inexpensive alternative to additional fire walls.

APPLICATION

VERSATILE

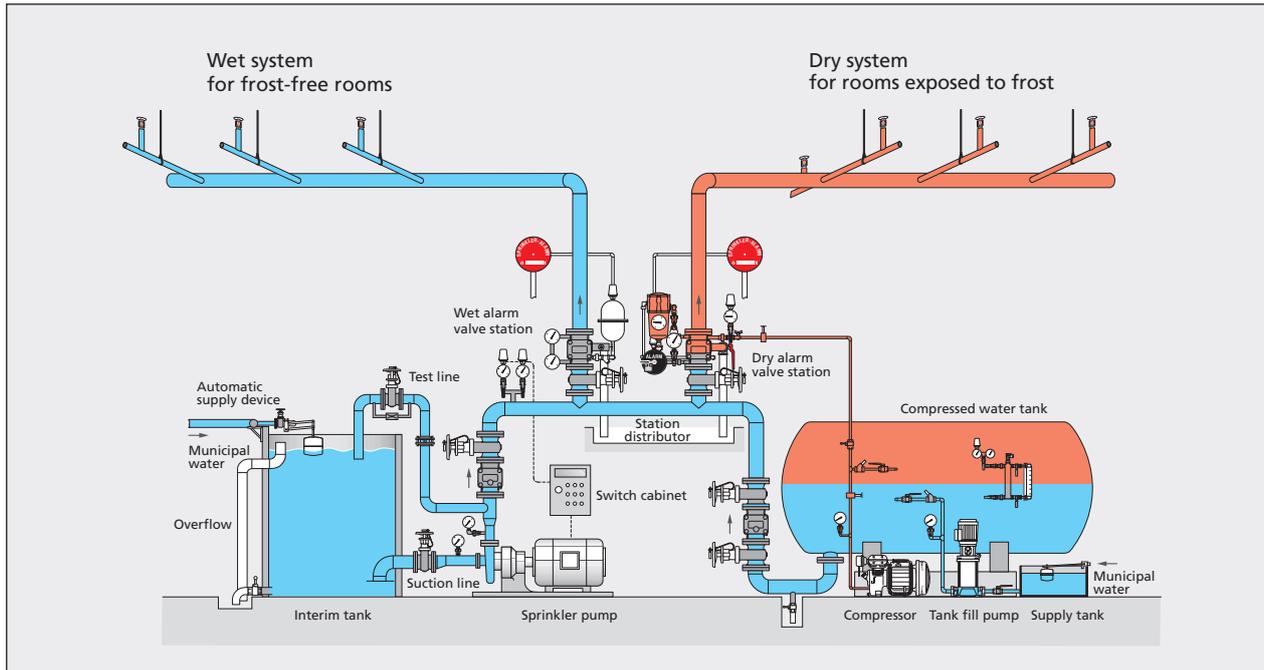
Minimax sprinkler systems are the certain solution for the protection of human life and property, for example in

- ▶ Public facilities and buildings
- ▶ Stores
- ▶ Offices
- ▶ Parking garages
- ▶ Logistics areas
- ▶ High bay warehouses
- ▶ Industrial businesses



FUNCTION

SPRINKLER SYSTEM



A sprinkler system consists of a piping network with sprinklers extending through all building areas to be protected. A glass bulb filled with liquid encloses the sprinkler in readiness. If the air temperature exceeds a specified limit due to heat from a fire, the expanding liquid bursts the bulb, activating the sprinkler. The extinguishing water impacts the spray disk and is distributed evenly across the source of the fire. In this way, the fire is extinguished with only a few sprinklers, reducing

the damage to a minimum. Simultaneously, internal and external rescue teams are alerted.

Wet system

In this type of system, the piping network is completely filled with pressurized water. If the sprinkler bulbs burst, water pours out immediately.

Dry system

In areas exposed to frost or high temperatures, the sprinkler pipes are filled with compressed air. The extinguishing

water is supplied as far as the dry alarm valve station. The pressure drop when the sprinklers open causes the dry alarm valve to open automatically, flooding the pipe network.

Pilot operated dry system

This combined fire detection and sprinkler system prevents water damage in the event of accidental damage to a sprinkler. Before the extinguishing water emerges, the fire detection system must also be actuated.

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Please see Minimax product sheets for detailed information.