



Sprinkler Systems

*Cool down.  
Fire Protection by*

**MINIMAX**

# PRODUCT

simply safe



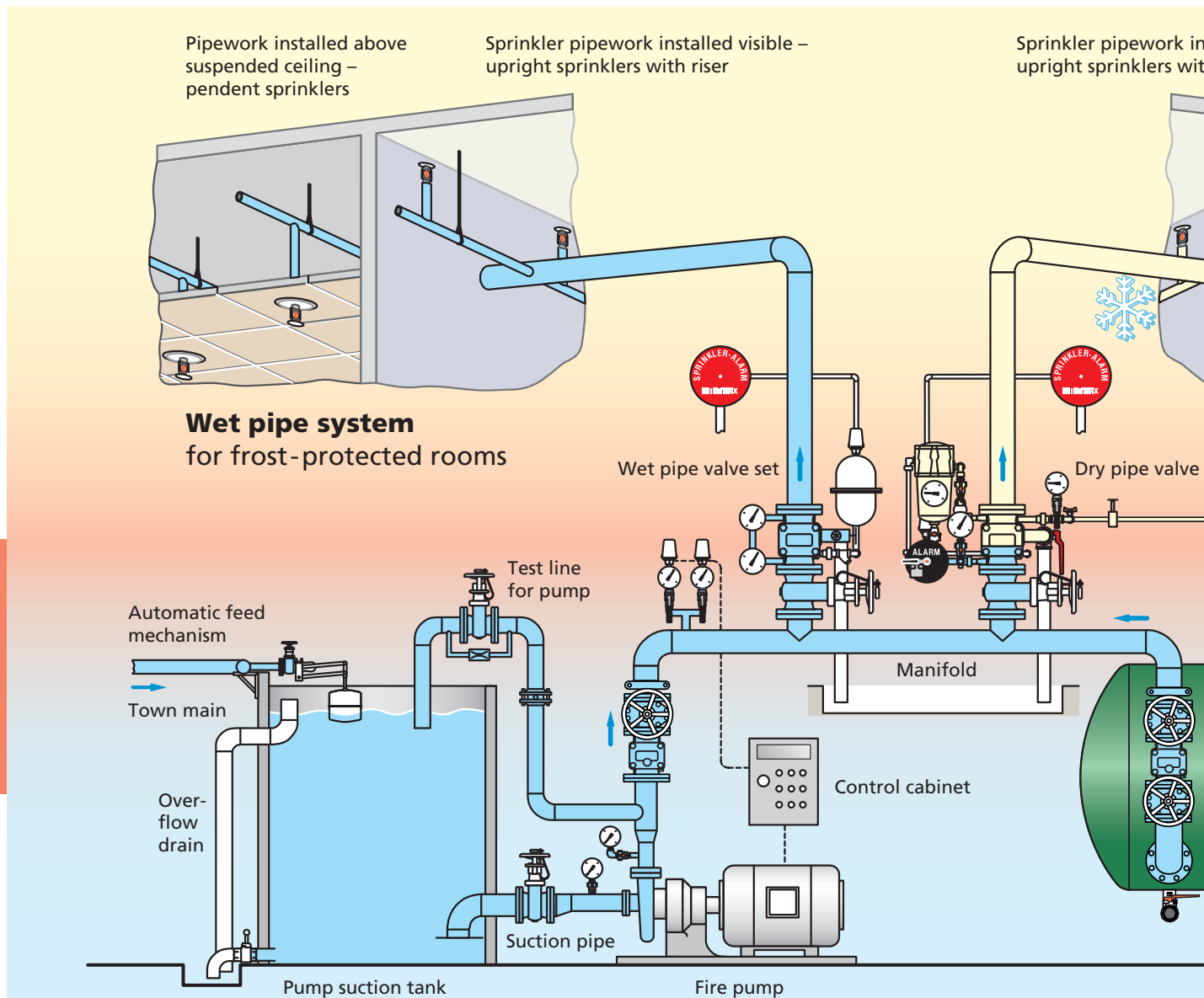
Fighting a fire in the beginning stages is the best way to protect human life, property and the environment. Minimax sprinkler systems do this automatically – they detect, report and extinguish fires independently and therefore provide reliable protection around the clock.

If the installation of a sprinkler system is considered during the planning phase for a new building, this can reduce costs significantly. Retrofitting of existing buildings with a sprinkler system e.g. due to a planned change of use is also possible and advisable.

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.



# EFFECTIVE

versatile

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

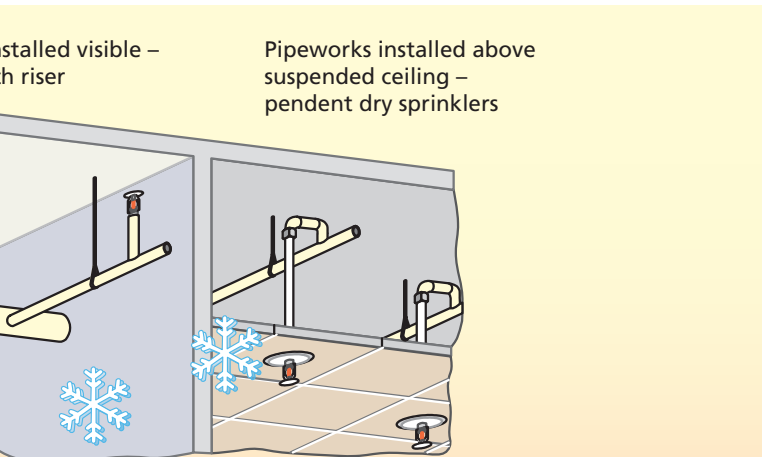
- ▶ Sprinkler systems offer fire detection and extinguishing functions in one system.
- ▶ Extinguishing only occurs in areas where it is actually burning. Sprinklers outside the area affected by the fire remain closed.
- ▶ Extinguishing water reduces smoke and contaminants, therefore protecting the environment.

- ▶ 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.
- ▶ Versatile types of sprinklers for special applications and conditions of use.
- ▶ Sprinkler systems are flexible in their configuration, design and in case of retrofitting.

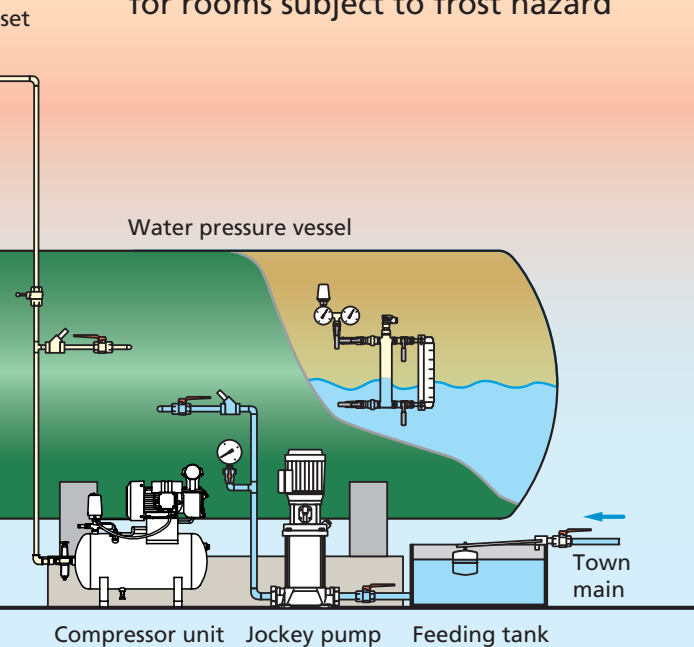
### Versatile

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

- ▶ Public facilities and buildings
- ▶ Stores
- ▶ Offices
- ▶ High-rise buildings
- ▶ Parking garages
- ▶ Logistics areas
- ▶ High bay warehouses
- ▶ Industrial businesses
- ▶ Museums
- ▶ Congress and conference centres



**Dry pipe system**  
for rooms subject to frost hazard



# FUNCTION

## Sprinkler systems

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.

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

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\* Certified acc. to  
ISO 9001

Please see corresponding technical data sheets for detailed information.