

# Sprinkler



## Wet Pipe Fire Sprinkler Systems

Wet pipe fire sprinkler systems are the most common systems. They have the fewest number of components and require less installation time than other systems. A wet pipe fire sprinkler system has a series of pipes connected to regularly distributed fire sprinkler heads, fed by a main riser. Maintenance is minimal, so financial savings are also realized.

Wet pipe fire sprinkler systems cannot be installed in an area where distribution pipes are exposed to freezing temperatures, such as parking garages, because they always contain water.

## Dry Pipe Fire Sprinkler Systems

Dry pipe fire sprinkler systems are installed in areas where distribution pipes are subject to freezing temperatures, such as unheated buildings and parking garages. Unlike wet pipe fire sprinkler systems contain compressed air. The compressed air is supplied by an electric air compressor, nitrogen bottles, or other source.

## Deluge Fire Sprinkler Systems

Deluge fire sprinkler systems are installed in high hazard operations, such as power generating stations, aircraft hangers, petrochemical and munitions plants, and areas that store items such as flammable liquids. These systems work with independent fire detection systems to deliver water immediately to the protected area.

## Pre-action Fire Sprinkler Systems

Pre-action fire sprinkler systems are installed in water sensitive environments such as computer rooms and refrigerated warehouses. These areas require systems that will operate only in an actual fire condition to save the building and its components from severe fire damage.

