

WET PIPE SPRINKLER COSTING AND CALCULATION

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ABSTRACT

An automated sprinkler system is a system that is used to detect, control and suppress a fire breakout in a building. Besides that, its purpose is also to provide early warning the occupants in a building of the occurrence of fire and therefore, they can evacuate immediately while the system is suppressing the fire. The whole sprinkler system comprises fire pumps, water storage tanks, control valve sets, sprinkler heads,, flow switches, pressure switches, pipes and various valves. The most crucial component in this system is the sprinkler head where is has liquid filled glass bulb that breaks due to the heat of the fire and therefore, releases water drawn from the storage tanks and spray it over the fire.