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Uses of Compressed Air Foam System by James Blee

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Introduction of modern technology in every sphere of life has made our life easy and hassle-free. Proper application of modern technology enables us live a better and safe life. Compressed air foam system is one of the advancements in fire restriction. It generates compressed air foam through injection of compressed air into the foam solution which is tighter and denser than ordinary foam solutions..

Compressed air foam system is very much useful as it covers all sides of the fire attack simultaneously. It is a system whereby compressed air is entered into a water and foam solution to generate a highly efficient foam output. It forms a foam blanket which prevents oxygen from getting in contact with fuel. The air trapped within the bubble structure reduces the capacity of the fire to spread and excess formation of heat. It acts a chemical barrier to prevent continuation of fire. The system consists of a centrifugal pump, a water source, an air compressor, foam concentrate tanks, a mixing device and a control device to ascertain the proportionate mixture of concentrate, air and water. Compressed air foam system not only works better than water for firefighting, but also proves to be a standard water pumping system.

Compressed air foam system works well for rapid reduction of heat and also for creating a foam blanket used for protection during detection. This system proved to be a success in the introduction of modern technology in firefighting measures. The fire extinguisher proved to be an efficient method over time.  This system has played a major role in this field. Nowadays it is known to be an outstanding method everywhere as taming the fire in time is very essential in order to save lives.

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