

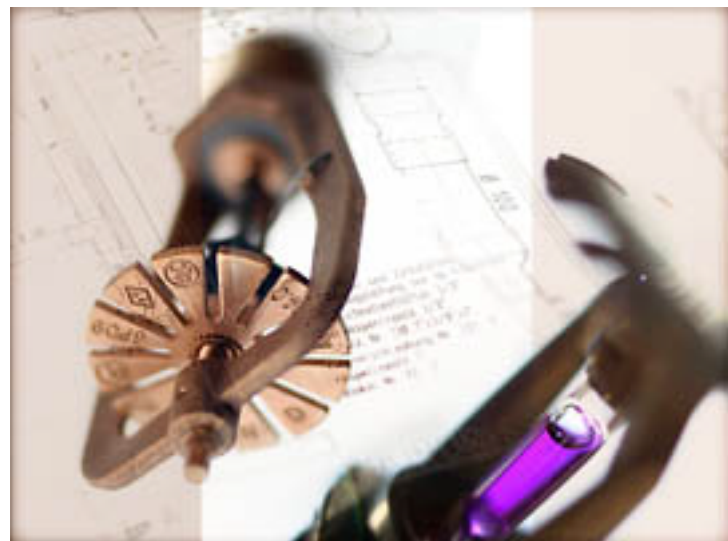
EAL

EAL stands for Extended Automatic Extinguishing Systems – in the same way as a sprinkler system, it is a fixed installed fire prevention device.

From their initial conception, however, less stringent conditions were imposed on the water supply and water preparation for EAL, e.g., a “simple” water supply with only one pumping system is adequate. If the pumping system is electrically powered an emergency power supply is not required.

EAL are of use in workshops, production areas and stores, in which, along with rapid fire detection, there is also a need for water-based extinguishing until the arrival of the fire service.

Similarly, where the use of automatic fire detectors is operationally impossible, or only possible with great difficulty, an EAL can be installed as a substitute measure.



Picture: Robert Tober



EAL do not provide the same safety standards as sprinkler systems.

On the other hand, because of the lower specifications, the costs are lower and this makes EAL of interest to manufacturers.

Insurers are also increasingly approving of a built-in EAL because the classified risk is, in every case, lower than if no fire protection measures are put in place.

EAL may be considered as very appropriate fire protection measures within a fire protection concept where materials are to be protected and if there is a possibility of fire spreading over a wide area.