

FirePro Thermal Bulb Actuators (BTA) - are supported and installed product in Australia.

However, the BTA does not meet the requirements to any of the relevant standards for buildings, plant or other structures (AS 4487), vehicles and mobile plant (AS 5062), rolling stock (AS 7529.1) or commercial marine vessels (NSCV Part C, Section 4).

The BTA is limited for use only in local application systems, or supplementary fire suppression – which are not covered by any Australian Standard.

Local Applications Systems:

BTA operated systems may be used as a standalone suppression system in local applications, provided that these applications do not fall under the requirements for the standards listed above, and meet the following criteria:

- Risk areas that are not occupied, or able to be occupied
- Risk areas that do not form part of, or are adjoining to, applications that require compliance to the above standards
- Risk areas requiring only a single point of detection and activation
- Risk areas requiring a single aerosol generator to achieve the required total flood design concentration

Examples of appropriate applications include but are not limited to; Electrical Cabinets, Chemical Storage and engine bays for non-commercial marine vessels.

Supplementary Fire Suppression:

BTA operated systems may be used to provide protection in risk areas covered by the above standards, provided that the BTA is not the primary means of fire suppression and a suitably compliant fire suppression system has also been installed. The installation of BTA operated systems does not act as a replacement in risk areas requiring a compliant fire suppression system. BTA's are to be independent of the primary fire suppression system and must not be installed on any aerosol generators being discharged by the primary fire suppression system.

For example; Electrical cabinets within a Substation may be protected using BTAs, provided the Substation also has a fire suppression system installed that is compliant to AS 4487.

Extract from AS 4487-2013 Condensed aerosol fire extinguishing systems

"This Standard specifies requirements for the design, installation, testing, commissioning and safety requirements for condensed aerosol firefighting systems in buildings, plants or other structures. The characteristics of condensed aerosol extinguishing agents and types of fire for which they are a suitable extinguishing medium are also specified. Appendices D and E specify test methods for components and extinguishing application density and coverage.

This Standard covers total flooding systems utilizing electrically non-conducting condensed aerosol fire extinguishing agents for which there are sufficient data currently available to enable validation of performance characteristics by a listing organization.

Local applications of condensed aerosol extinguishing systems are not covered by this Standard. Any local applications require a pre-engineered and pre-designed system which has been tested and approved for a specific application."