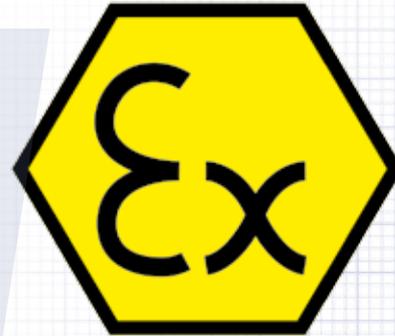# Product Certification

Elmac Technologies flame arresters are always tested and certified according to the latest published international standards available at the time of product development.

Currently this is EN ISO 16852:2010 "Flame arresters - Performance requirements, test methods and limits for use".

Independently tested

Elmac products are tested by an independent testing company and certified by a notified body, in accordance with ATEX Directives. The independent test company and notified body can be the same company and in Elmac's case they currently use world-renowned IBExU*.

Elmac is then regularly audited on an 18 month cycle by a notified body, to ensure each product continues to be manufactured to the certified design and quality, using controlled systems and processes of production.

*IBExU Institut für Sicherheitstechnik GmbH, **www.ibexu.de**

Global systems

This is the method used around the world by the majority of flame arrester manufacturers to achieve and maintain product certification.

The exception to this is in the United States of America where there are a number of test standards implemented and audited by various parties: U.S. Coastguard (USCG), Factory Mutual (FM Approvals) and Underwriters Laboratories (UL).

Consistent requirements

Although the test methods and requirements vary in the US, according to who the certifying body is, the process of testing, certification and regular quality audits remains consistent.

So which is best: ATEX certified products, U.S. Coastguard, FM Approvals certified products, or UL certified products?

There is no 'best' in this case. If you are quoted for a flame arrester for a particular process, project or application, then whichever approval system the flame arrester has gone through, you can be sure that you will be supplied with a product that has been tested and certified in a manner that is appropriate for you.

Further assistance

Should you wish to discuss product certification further, please contact the Elmac Technologies Customer Support team who will be happy to help.

Customer Support

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