



ATEX certification of flame arresters

Flame arresters

ATEX certification



**Manufacturers of equipment
for preventing flame transmission**

- **You want** to have access to European ATEX markets
- **You need** to have your products ATEX certified

**LCIE, European Notified Body
for all the modules of the ATEX Directive,
assesses the conformity of your **flame arresters**
according to EN 12874 standard**



LCIE

For the benefit of business and people

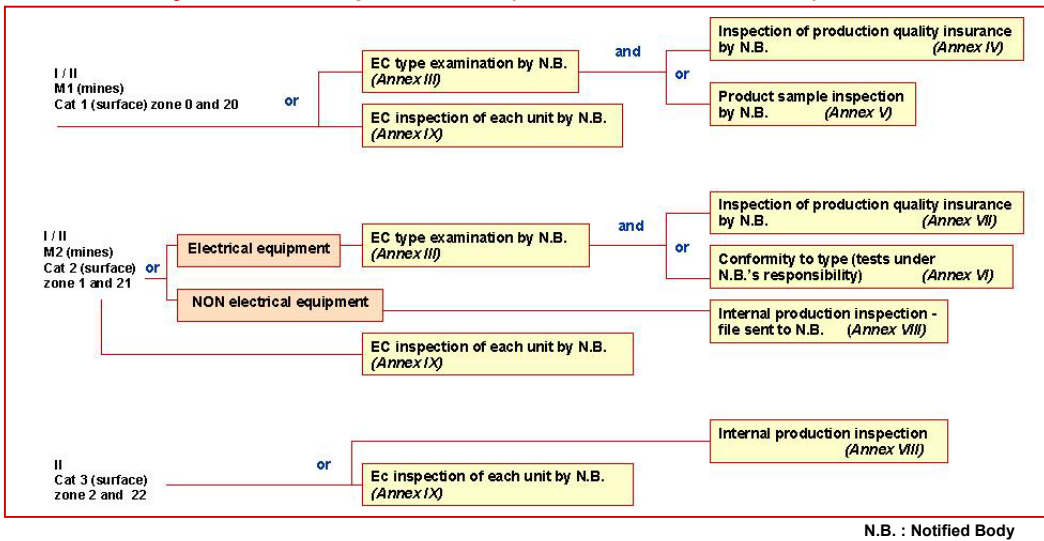
To be marketed in Europe, your flame arresters need to comply with relevant local mandatory requirements.

They must be tested according to EN 12874 standard “*Flame arresters: performance requirements, test methods and limits for use*”, and must undergo the conformity assessment procedures for autonomous protective systems described in the ATEX European Directive 94/9/EC.

➤ **LCIE testing services for flame arresters:**

- Deflagration tests of in-line and end of line arresters (up to Ø 300 mm)
- Stable detonation tests on in-line arresters (up to Ø 300 mm)
- Unstable detonation tests (up to Ø 300 mm)
- Short burning test
- Endurance burning test (up to size 150 mm)
- Tests of hydraulic flame arresters and high velocity vent valves: please contact us

➤ **Conformity assessment procedures (ATEX 94/9/EC Directive)**



➤ **Main LCIE ATEX services:**

- EC type examination certificate according to annex III
 - tests and examination
- Production quality assurance audits according to annex IV
- Product verification according to annex V
- EC unit verification according to annex IX
- Storage of technical file according to annex VIII

➤ **Other services offered by Bureau Veritas and LCIE**

- **Testing according to applicable standards or requirements:** IEC, CENELEC, CSA, UL, FM, BS, MIL, etc.
- **Technical assistance:** certification procedures, knowledge of standards,
- **Audits, expert examination, studies, assessments:** quality insurance, standardization development, risk analysis, zoning, on site inspection, electrostatics, special explosion tests,
- **Certification / EC type examination:** equipment, assemblies, systems, components,
- **Voluntary certification:** IECEx,
- **Multidirective services :** EMC, Machines, Low Voltage, Individual Protective Equipment, etc.
- **Training.**



LCIE

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LCIE 10/04/05

LCIE has several recognition agreements specific to potentially explosive atmospheres with the following foreign bodies:

- **CQST** (China)
- **NEPSI/SIPAI** (China)
- **UL, FM** (United States)
- **KGS, KTL** (Korea)
- **TIIS** (Japan)

Other agreements:

- **Bureau Veritas** (Argentina): recognition of tests and factory inspections for access to the Argentinian market for low voltage electrical equipment and equipment intended for use in potentially explosive atmospheres
- **UCIEE** (Brazil): recognition of tests and factory inspections for low voltage electrical equipment and equipment intended for use in potentially explosive atmospheres.

Other official recognition:

- **US Coast Guard** (United States): recognition of tests and certification.

Accreditations:

- LCIE is a European Notified Body (No 0081) for certification of ATEX equipmer



- LCIE is accredited by COFRAC - test section n° 1-0311-

for tests on equipment intended for use in potentially explosive atmospheres

- LCIE is ISO 9001 certified by BSI

LCIE is an active member of IECEx

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