FM Approvals

Flame Detection Certification Services



- Gain access to global markets
- Simplify program management
- Streamline your path to market
- Demonstrate a commitment to quality

- **Streamline Drawing Control and Change Management**—save time and costs by consolidating certifications and audits with a single point of contact providing the globally recognized FM APPROVED mark.
- **Combine North American and European Approvals**—ANSI/FM 3260, EN 54-10, Approval Standard 3232, U.S. and Canada diamond, CE marking and much more.
- **Combine with Hazardous Location Testing**— including property protection methods such as intrinsically safe, flameproof, explosion-proof or dust ignition-proof for United States, Canada, ATEX, and IECEx.
- **Demonstrate Quality and Gain Global Access**—full-scale fire and performance testing for flame, spark and video image detectors for the globally recognized quality indicator, the FM Diamond.

Ex CE 1725 FM APPROVED FM C US APPROVED

FM Approvals LLC (FM Approvals) is making this brochure available for informational purposes only. This information does not constitute an FM Approvals agreement, standard or certification. No liability is assumed by or through the use of any information.

Access Global Markets with Certification Services from FM Approvals

Differentiator: FM Approvals certification mark is a globally recognized brand in the testing and certification of equipment for use in hazardous locations, and specifically in the global process safety systems (Specialty Detection) market.

Global Performance Certification: FM Approvals can help you meet CE Marking requirements since we are accredited as a Test Lab and Notified Bodyto test and certify products to EN 54-10 (flame detectors) and ATEX Directive.

Access to Global Markets: FM Approvals can provide combined U.S., Canadian, and European certifications, providing manufacturers access to both North American and European flame detection markets, as well as global markets that specify either U.S. or European requirements.

Hazardous Location Certification: FM Approvals can also provide flame, spark, and video detectors manufacturers with certification to global hazardous location standards—U.S., Canada, ATEX and IECEx—including intrinsically safe, flameproof, explosion-proof or dust ignition-proof, as well as others.

Consolidated Program Management: By choosing FM Approvals for the FM Diamond, EN 54-10 and ATEX certifications, manufacturers can save time, reduce costs and minimize management overhead. Periodic audits required by all certifications can often be combined.

Approval Standards Spotlight

FLAME-SENSING DETECTION

Approval Standard ANSI/FM 3260, *Radiant Energy-Sensing Fire Detectors for Automatic Fire Alarm Signaling*
Approval Standard 3232, *Video Image Fire Detectors for Automatic Fire Alarm Signaling*



Approval Guide: Only FM Approved flame, spark and video detectors are listed in the online Approval Guide, providing easy access to vendor information for engineers, code authorities, designers, contractors and architects worldwide.

SUCCESS STORY

A major independent oil and gas producer in Alberta, Canada purchased a large number of FM Approved gas detectors and several dual-sensor ultraviolet/infrared flame detectors. This equipment was chosen because the customer realized the success of similar equipment installed in other facilities in the rugged northern climate.

UNIQUE METHODOLOGY

Customers know they can count on FM Approved flame detectors. We use both small-scale and full-scale fire tests to evaluate flame and spark detectors, rather than relying only on small-scale benchtop fire tests. Research has proven that full-scale fire tests are the most accurate and reliable test methods.

The detectors are subjected to performance-based testing using the manufacturer's specifications, including specifics of fuel fire it will detect, claimed range, fire size, field of view and response time.

The detector must also meet a range of functional tests designed to simulate real-world conditions, including false stimuli, such as sunlight, arc welding, heaters and electrical transients.

ANSI/FM 3260 (radiant energy) and Approval Standard 3232 (video image) require performance-based testing of detectors to ensure consistent results.

Learn more about the benefits to you and the process to transition your certification program to FM Approvals by calling +1 781 762 4300 or emailing information@fmapprovals.com.

P16059 © 2015 (Rev. 7/2024) FM Approvals LLC.
All rights reserved. fmapprovals.com