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INTERNATIONAL STANDARD

**Explosive atmospheres –
Part 49: Flame arresters – Performance requirements, test methods and limits
for use**





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EXPLOSIVE ATMOSPHERES –

Part 49: Flame arresters – Performance requirements, test methods and limits for use

FOREWORD

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This edition cancels and replaces ISO 16852:2016, which has been technically revised. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to ISO 16852:2016:

- a) adaptation of the relevant IEC TC 31 requirements on standards;
- b) modification of the upper limit of the temperature range from 150 °C to 200 °C under the condition that T_0 shall be not larger than 80 % of the auto ignition temperature of the gas-air-mixture;
- c) change of the term "explosion group" to "equipment group" due to editorial requirements in IEC/TC 31;
- d) clarification of the conditions and requirements for flame arresters whose intended operating conditions are outside the atmospheric conditions in 7.3.4 and 7.3.5;