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**JIS B 8415-2** : 2020

(JIFMA/JSA)

**General safety code for industrial  
combustion furnaces—Part 2:  
Combustion and fuel handling  
systems**

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In the event of any doubts arising as to the contents,  
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## Foreword

This Japanese Industrial Standard has been established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal for establishment of Japanese Industrial Standard submitted by Japan Industrial Furnace Manufacturers Association (JIFMA)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act. This Standard partially replaces **JIS B 8415**:2008, which has been withdrawn.

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Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, published patent application or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, published patent application or utility model rights.

**JIS B 8415** series consists of the following 3 parts under the general title *General safety code for industrial combustion furnaces*—:

*Part 1: General requirements*

*Part 2: Combustion and fuel handling systems*

*Part 3: Protective systems*

# General safety code for industrial combustion furnaces—Part 2: Combustion and fuel handling systems

## Introduction

This Japanese Industrial Standard has been prepared based on **ISO 13577-2:2014**, Edition 1, with some modifications of the technical contents to corresponding to the actual situations in Japan.

The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JB. Annex JA is unique to **JIS** and not given in the corresponding International Standard.

This Standard is a type-C standard as defined in **JIS B 9700**.

The machinery concerned and the extent to which hazards, hazardous situations or hazardous events are covered are indicated in the scope of this Standard.

When requirements of this type-C standard are different from those which are stated in type-A or -B standards, the requirements of this type-C standard take precedence over the requirements of the other standards for machines that have been designed and built according to the requirements of this type-C standard.

This Standard shall always be used and take precedence for industrial combustion furnaces and associated devices.

Industrial combustion furnaces and associated devices generally consist of the following components:

- combustion chambers (e.g. steel construction with lining and/or refractory-lined);
- combustion and fuel handling systems;
- protective system;
- control and instrumentation system.

This Standard specifies the safety requirements on combustion for industrial combustion furnaces and associated devices. If the provisions of this Standard conflict with those specified in **JIS B 8415-1**, the provisions of this Standard shall take precedence.

Industrial combustion furnaces and associated devices are assumed to be operated by trained furnace operators.

## 1 Scope

This Standard specifies the safety requirements for combustion and fuel handling systems that are part of industrial furnaces and associated devices (hereafter referred to as the combustion furnaces) to which **JIS B 8415-1** applies.

NOTE 1 The general requirements on combustion furnaces are specified in **JIS B 8415-1**.