

ISO 13577-2:2014-09 (E)

Industrial furnaces and associated processing equipment - Safety - Part 2: Combustion and fuel handling systems

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	2
3	Terms and definitions	3
4	Safety requirements, measures and verification means	3
4.1	General	3
4.2	Gaseous fuels	3
4.3	Liquid fuels	18
4.4	Multiple fuels	29
4.5	Oxygen or oxygen-enriched combustion air (OOECA)	30
5	Verification of the safety requirements and/or measures	32
6	Information for Use	37
6.1	General	37
6.2	Marking	37
6.3	Instruction handbook	37
Annex A (informative)	List of significant hazards	40
Annex B (informative)	Typical examples of fuels	42
Annex C (informative)	Typical example of piping and components	43
Annex D (informative)	Methods for burner start-up	55
Annex E (normative)	Maximum allowed pressure	63
Annex F (informative)	Examples for the determination of safety integrity level (SIL) using the risk graph method	68
Annex G (normative)	Requirements specific to Japan	79
Annex H (normative)	Requirements specific to the USA	85
Annex I (normative)	Requirements for Europe and associated countries	91
Bibliography		96